

Report on
Value Added Course on
Introduction to Biotechnology



Organised by
Department of Biotechnology,
St. Edmund's College, Shillong

Title of the course: Introduction to Biotechnology

Total Contact Hours: 36 Hours

Date of Approval: 7th March, 2023

Opening of Registration Process: 8th March, 2023

Closing of Registration Process: 15th March, 2023 Mode of Registration: Online Web link for Registration:

https://docs.google.com/forms/d/e/1FAIpQLSdnXvbKJwU522jK2ZtMtmbZ3DgTq5bK4_n9eZn9KdbCD1PPw/viewform

Date for Commencement of the Course: 17th March, 2023

Date for Closing of the Course: 31st March, 2023

Duration: 15 Days

Total No of Students Enrolled: 14

Registration Fee: Rs.100/- completely refundable upon successful completion of the course

Course Coordinators: Mr. Koben J Nongkynrih, Ms. Shekinah Challam

Resource Persons:

Dr. B. Manners, Department of Biotechnology

Dr. G. Paul, Department of Biotechnology

Mr. Koben J Nongkynrih, Department of Biotechnology

Ms. Shekinah Challam, Department of Biotechnology

ACKNOWLEDGEMENT

We would like to express our thanks and deep gratitude to all members of the department for supporting and cooperating with us to make this Course a success. We would like to place on record our thanks to:

1. Dr. Samrat Adhikari, HOD, Department of Biotechnology
2. Dr. B. Manners, Faculty, Department of Biotechnology
3. Dr. G. Paul, Faculty, Department of Biotechnology
4. Ms Priya Paul, Technical Assistant, St. Edmund's College, Shillong
5. Mr Erwin Kshiar, Lab Attendant, Dept of Biotechnology, St. Edmund's College, Shillong
6. All the student participants.

Course Description:

This Course was designed to enable graduates from Life Sciences equip themselves with the basics in Biotechnology along with the use of basic yet important equipments and application of techniques. This Value Added course was a 15 Hour, 15day course consisting of 3 modules including both theory and practical lessons with sessions taken both online and offline. However the Course Learners had to appear for an online test through the LMS after the completion of each module.

Course structure

The VAC Course was of 15 contact hours with 3 modules units (Module 1, Module2, Module 3). Each of these contact hours had courses on Basic Cell biology, Proteomics and an introduction to Bioinformatics, respectively. Furthermore, each of the modules have assessment period and a one hour live session with the student participants to enable them to clear their doubts.

Date	Topic	Resource Person
MODULE 1		
17 th March, 2023	Introduction and Scope of Biotechnology	Dr. Gopesh Paul
18 th March, 2021	Cell Structure and Functions	Dr. B. Manners
20 th March, 2023	Gene Cloning	Dr. Gopesh Paul
21 st March, 2023	Cell Biology- Practicals	K.J.Nongkynrih S. Challam
22 nd March, 2023	Exam Module 1	Time: 6PM onwards
MODULE 2		
22 nd March, 2023	Intellectual Property Rights	Dr. B. Manners
23 rd March, 2023	Protein Structure and Functions	S. Challam
24 th March, 2023	Industrial Biotechnology	S. Challam
25 th March, 2023	Isolation of Casein from milk-Practicals	K.J.Nongkynrih S. Challam
27 th March, 2023	Exam Module 2	Time: 6PM onwards
MODULE 3		
27 th March, 2023	Introduction to Bioinformatics	K.J.Nongkynrih
28 th March, 2023	BLAST and FASTA	K.J.Nongkynrih
29 th March, 2023	Ethical Issues in Biotechnology	S. Challam
30 th March, 2023	Exam Module 3	Time: 6PM onwards
31 st March, 2023	Interaction and Valedictory	Time: 1:45PM onwards

Mode of Conduct of the Course

The course was conducted in a blended mode online using the College Linways Learning Management System (LMS) for online classes. Each teacher was assigned classes in their respective accounts. The mode of presentation has been live sessions, Power point presentations, video recording which was uploaded in the LMS system for the students to view at any time. All Practical sessions were taken offline and a few of the theory classes as well

Grading Policy

The following policy was used

Marks	Final Grade
90-100	A ⁺
80-90	A
70-80	B ⁺
60-70	B
50-60	C ⁺
40-50	C
Below 50	Needs Improvement

Students Registered for the course:

Timestamp	Email Address	Name	Email	Department	Semester	Phone Number with WhatsApp
3/13/2023 14:30:57	marakjewi@gmail.com	Jewisha R Marak	marakjewi@gmail.com	Biotechnology	2nd Semester	7085760720
3/13/2023 15:10:19	nabanitabhattacharjee217	Sreyashi Bhattacharjee	nabanitabhattacharjee217	Biotechnology	2nd Semester	8729926140
3/13/2023 18:09:23	iromsinpangbi05@gmail.c	Irom Sinpangbi Mangang	iromsinpangbi05@gmail.c	Biotechnology	2nd Semester	9366452693
3/13/2023 18:40:38	laltresyranglong@gmail.c	Ringlal Tressy Ranglong	laltresyranglong@gmail.c	Biotechnology	2nd Semester	8415895391
3/13/2023 18:54:07	akshararoy038@gmail.co	Akshara Roy	akshararoy038@gmail.co	Biotechnology	2nd Semester	8876243342
3/13/2023 19:40:59	jimoni.jimi2017@gmail.co	Jimoni Kalita	jimoni.jimi2017@gmail.co	Biotechnology	2nd Semester	08638196422
3/13/2023 20:28:34	pohlongdoh@gmail.com	Pynshailang Pohlong	pohlongdoh@gmail.com	Biochemistry	2nd Semester	8259943858
3/13/2023 21:52:05	renthleiemaried@gmail.c	R. Lalnutluangi	renthleiemaried@gmail.c	Biotechnology	2nd Semester	8119933693
3/14/2023 8:59:15	azaniahnongrum@gmail.c	Azaniah Nongrum	azaniahnongrum@gmail.c	Biotechnology	2nd Semester	6009700175
3/14/2023 10:09:13	hnikitas7397@gmail.com	Nikita Hasnu	hnikitas7397@gmail.com	Biotechnology	2nd Semester	9774291816
3/14/2023 10:09:24	dremalhamu08@gmail.co	Drema Lhamu	dremalhamu08@gmail.co	BIOTECHNOLOGY	2nd Semester	9862788629
3/14/2023 10:10:08	lhamdrema3707@gmail.c	Lham Drema	lhamdrema3707@gmail.c	Biotechnology	2nd Semester	9707018553
3/14/2023 11:58:11	manashdatta13@gmail.c	MANASH RANJAN DATT	manashdatta13@gmail.c	Biotechnology	2nd Semester	8414961590
3/14/2023 19:00:19	balkamchina@gmail.com	Balkamchina K Marak	balkamchina@gmail.com	Biotechnology	2nd Semester	8794040129
3/15/2023 10:09:27	randykhawhreg@gmail.c	Randy F Darlong	randykhawhreg@gmail.c	Biotechnology	2nd Semester	8794021533
3/15/2023 11:48:54	kyrasangma@gmail.com	Kyra Noela K Sangma	kyrasangma@gmail.com	Biotechnology	2nd Semester	6009828389



St. Edmund's College

Shillong

Certificate of Merit

Awarded to

SREYASHI BHATTACHARJEE

St. Edmund's College, Shillong

for successfully completing the 15 day

Value Added Course – "Introduction to Biotechnology"

With

Grade B+

Organized by Department of Biotechnology in Collaboration with Internal Quality Assurance Cell,
(IQAC) St. Edmund's College, Shillong from 17th – 31st March 2023.

Certificate ID: VACBT012022008





KOBEN JOHN NONGKYNNIH
Course Coordinator


SHEKINAH CHALLAM
Course Coordinator

SUMIT DEB
IQAC Coordinator

DR SYLVANUS LAMARE
Principal

Grade	A*	A	B*	B	C*	C
Marks	90-100%	80-89 %	70-79 %	60-69 %	50-59 %	40-49 %


Scoresheet:



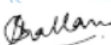
Value Added Course on
Introduction to Biotechnology
17th – 31st March 2023

SCORE SHEET


Sl No	Name	Department	Semester	Marks Scored (%)	Grade	Certificate ID
1	BALKAMCHINA K MARAK	Biotechnology	IV	73	B+	VACBT012022001
2	LHAM DREMA	Biotechnology	IV	67	B	VACBT012022002
3	JEWISHA R MARAK	Biotechnology	IV	68	B	VACBT012022003
4	R LALNUTLUANGI	Biotechnology	IV	72	B+	VACBT012022004
5	NIKITA HASNU	Biotechnology	IV	89		VACBT012022005
6	IROM SINGPANGBI MANGANG	Biotechnology	IV	61	B	VACBT012022006
7	RANDY F DARLONG	Biotechnology	IV	57	C+	VACBT012022007
8	SREYASHI BHATTACHARJEE	Biotechnology	IV	71	B+	VACBT012022008
9	AKSHARA ROY	Biotechnology	IV	81	A	VACBT012022009
10	KYRA NOELA K SANGMA	Biotechnology	IV	77	B+	VACBT012022010
11	DREMA LHAMU	Biotechnology	IV	75	B+	VACBT012022011
12	JIMONI KALITA	Biotechnology	IV	85	A	VACBT012022012
13	RINGLAL TRESSY RANGLONG	Biotechnology	IV	80	A	VACBT012022013
14	MANASH RANIAN DATTA	Biotechnology	IV	53	C	VACBT012022014
15	BALKAMCHINA K MARAK	Biotechnology	IV	73	A	VACBT012022001
25						




DR SAMRAT ADHIKARI
HOD, BIOTECHNOLOGY



SHEKINAH CHALLAM
Course Coordinator



DR (BR) SIMON COELHO
IQAC Coordinator



DR SYLVANUS LAMARE
Principal



A Value Added Course on

An Introduction to Biotechnology

Organised by:
The Department of Biotechnology,
St. Edmund's College, Shillong



Date: 17th to 31st March, 2023

Last date of Registration: 15th March, 2023

Registration Fee: Rs.100/- (payable by cash to the Organising Secretaries and refundable subject to successful completion of the course)

Eligibility: 2nd Semester UG Students of St. Edmund's College

Mode: Blended (Online through [Linways](#) and Offline Sessions)

Certificates will be awarded on successful completion of the course

Organising Secretaries:
Mr. K.J. Nongkynrih
Ms.S. Challam

DEPARTMENT OF ENVIRONMENTAL SCIENCE
ST. EDMUND'S COLLEGE, SHILLONG
CERTIFICATE COURSE ON VERMICOMPOSTING TECHNOLOGY FOR WASTE
MANAGEMENT

Program: Certificate Course on Vermicomposting Technology for Waste Management

Date & Time: August 2022 to July 2023

Venue: Department of Environmental Science Lab

Teachers: Dr. J. T. Sawian, Ms. I. Rynjah, Ms. L. Jeengaph, Ms. M. D. Khongwir, Sir D. Suchiang, Sir E. Sumer.

No. of students: 27

Objectives:

- Able to explain the need and concept of eco-friendly technology
- Production of useful products like vermifertilizers or nutrient-rich compost
- Helps in reducing the amount of organic wastes

The Department of Environmental Science, St. Edmund's College is conducting a one-year certificate course on Vermicomposting Technology for Waste Management for the year 2022-23 w.e.f. August 2022 to June 2023.

Enhanced skill for the production of vermicompost is an add-on to their knowledge and skill set. The scope is for Self-Employment with very little or no investment. On completion of this course, students will be able to produce vermicompost and be self-employed.

The main aims and objectives of the course is to be able to explain the students on the need and concept of eco-friendly technology, production of useful products like vermifertilizers or nutrient-rich compost and helps in reducing the amount of organic wastes.

List of Students enrolled:

To Whom it May Concern			
Department of Environmental Science, St. Edmund's College is conducting certificate course on Vermicomposting Technology for Wa ement for the year with effect from			
n.	Name	Class	Signature
	Gingoumang	5 th sem-6 th sem	Gingoumang
	Ribanshem I. Mawnai	5 th sem-6 th sem	Ribanshem
	Sodinen Jamir	5 th sem-6 th sem	Sodinen
	Chingman I Sangma	5 th sem-6 th sem	Chingman
	Joana S Sangma	5 th sem-6 th sem	Joana
	Blajied Kyrpang Tariang	5 th sem-6 th sem	Blajied
	Lamki Dame Laloo	5 th sem-6 th sem	Lamki
	Nehjasei Haokip	5 th sem-6 th sem	Nehjasei
	Zhilo Chachei	5 th sem-6 th sem	Zhilo
	Wanki Dame Laloo	5 th sem-6 th sem	Wanki
	Ankita Basumatari	5 th sem-6 th sem	Ankita Basumatari
	Ankita Sarmah	5 th sem-6 th sem	Ankita Sarmah
	Lapynhun Kharkongor	5 th sem-6 th sem	Lapynhun
	Anoshna Mukherjee	5 th sem-6 th sem	Anoshna Mukherjee
	Vania Catherine Shadap	5 th sem-6 th sem	Vania
	Idaka Warihun Lamare	5 th sem-6 th sem	Idaka
	Donkupa Syiemlieh	5 th sem-6 th sem	Donkupa
	Daphraki Biam	5 th sem-6 th sem	Daphraki
	Ingie Chwlpak D Shira	5 th sem-6 th sem	Ingie
	Thyhandsonus Lyngdoh	5 th sem-6 th sem	Thyhandsonus
	Wanhunlang K. Dewasaw	5 th sem-6 th sem	Wanhunlang K. Dewasaw
	Stephen Yunilam Chada	5 th sem-6 th sem	Stephen
	Evadacareme Lyngdoh	5 th sem-6 th sem	Evadacareme
	Holei Kasar	5 th sem-6 th sem	Holei
	Rinasuk Suchiang	5 th sem-6 th sem	Rinasuk

26	Bankyntiew Snaitang	5 th sem-6 th sem	Bankyntiew
27	Rivotmi Shulet	5 th sem-6 th sem	Rivotmi

(Dr. J.T. Sawian)
H.O.D
Department of Environmental Science

List of Resource Person

1	Dr. J. T. Sawian
2	Ms. L. Jeengaph
3	Ms. I. Rynjah
4	Ms. M. D. Khongwir
5	Sir D. Suchiang
6	Sir E. Sumer

Flyer



St. Edmund's College
ESTD: 1923



Certificate Course on **Vermicomposting Technology for Waste Management**

Department of Environmental Science

One year certificate course for
the year 2022-2023

AIMS & OBJECTIVES

- Able to explain the need and concept of eco-friendly technology
- Production of nutrient rich compost
- Reduce the amount of organic wastes

Enhanced Skill for production of vermicompost
Self-employment with very little or no investment

REGISTRATION FREE

Contact details:

📞 9862212836; 9863018917

Email

🌐 evs.sec07@gmail.com

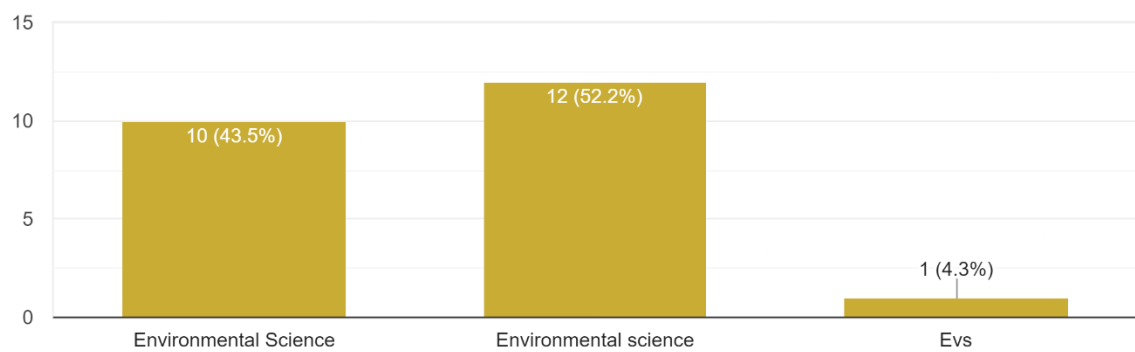
Eligibility: Students of the College

Certificates will be provided at the end of successful completion of the Course

Feedback of the course:

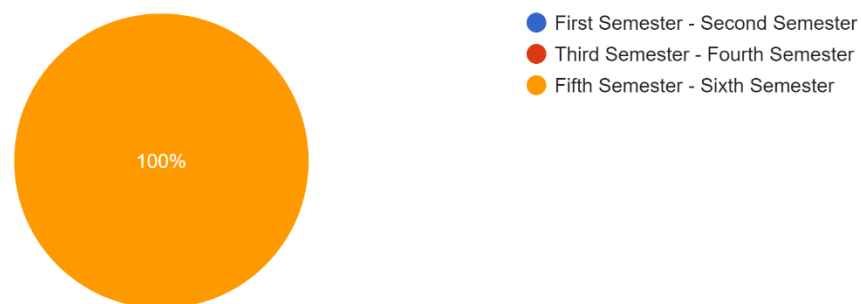
Department

23 responses



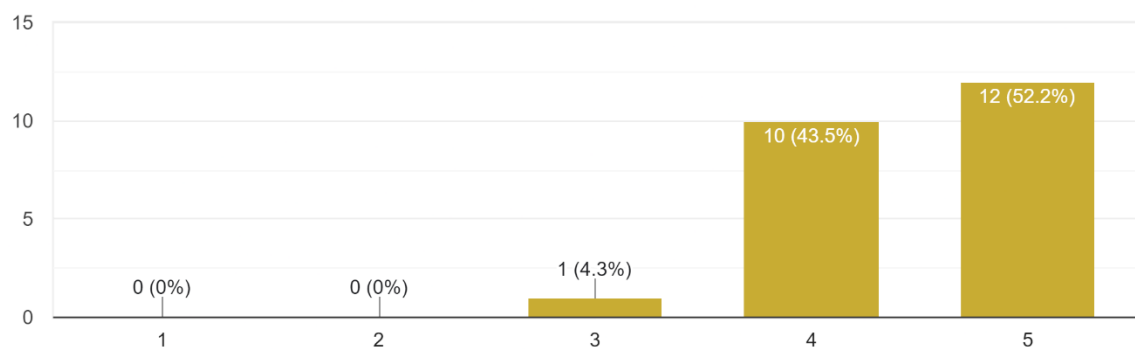
Semester

23 responses



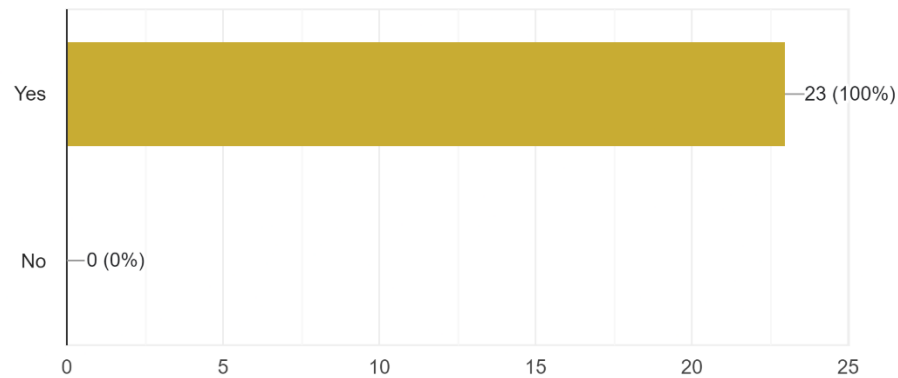
How satisfied were you with the course?

23 responses



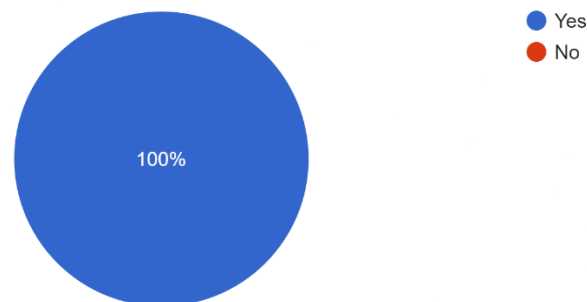
Were objectives of the course clear to you?

23 responses



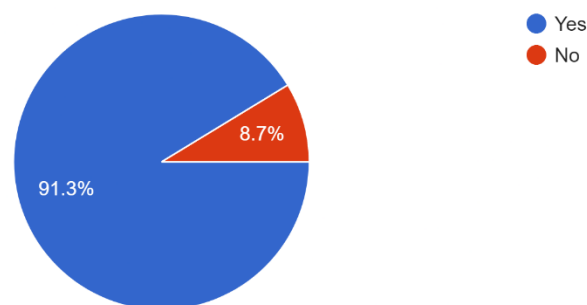
The lectures were clear and easy to understand

23 responses

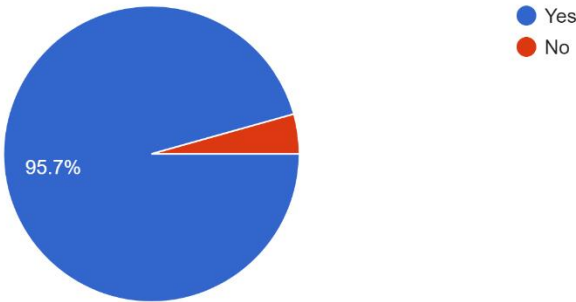


Practical demonstrations are clear

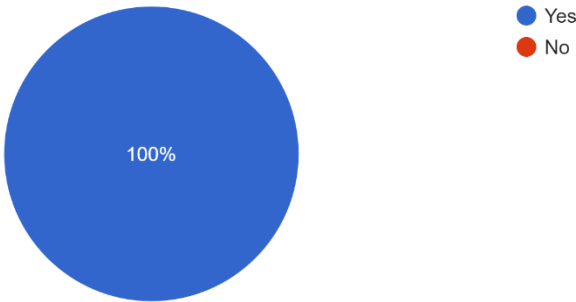
23 responses



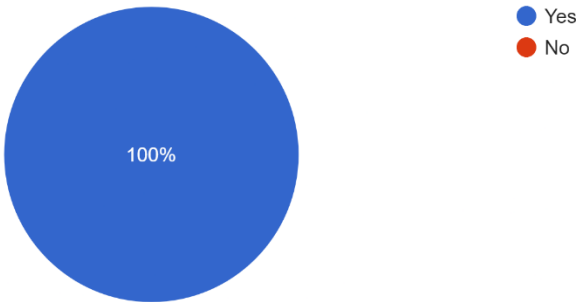
The teaching aids were effectively used
23 responses



The course material handed out was adequate
23 responses

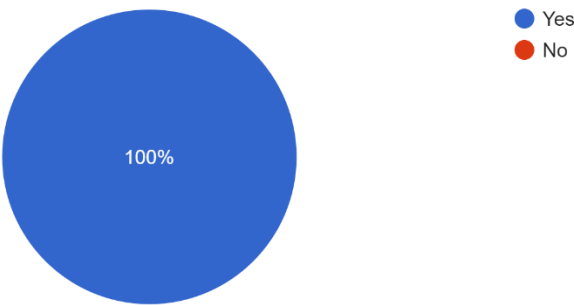


The course exposed you to new knowledge and practices
23 responses



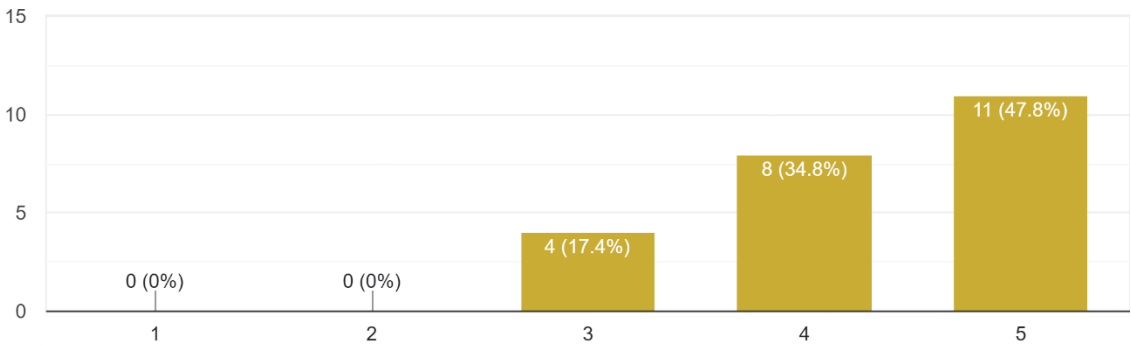
Does this course covers a wide range of issues concerning waste management

23 responses



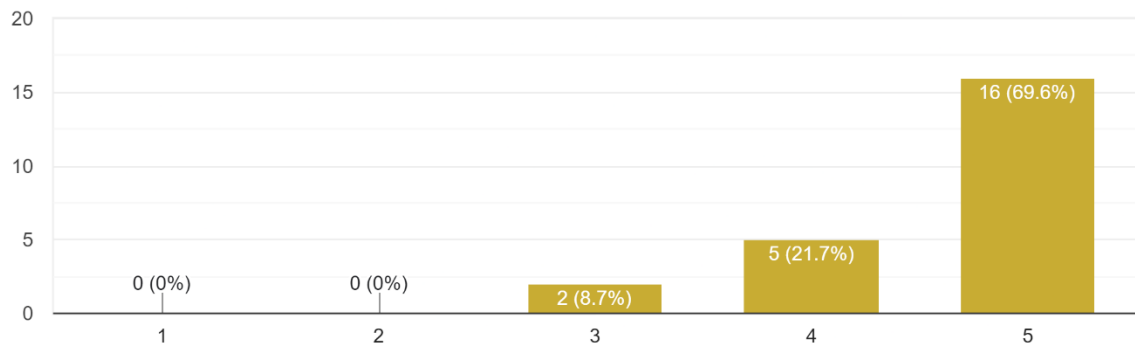
Learning value (in terms of skill development, concepts, knowledge, analytical abilities or broadening perspectives)

23 responses



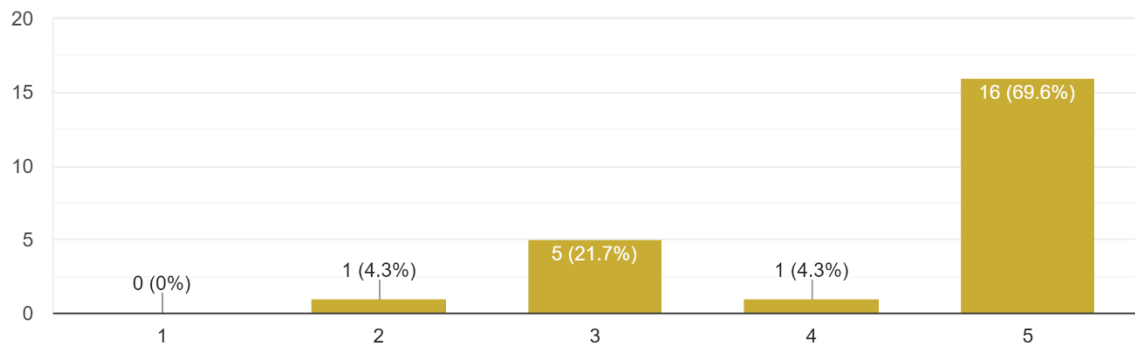
Applicability/Relevance to real life situation

23 responses



How relevant and helpful do you think it was for your career?

23 responses



Any overall feedback or suggestion for the course

23 responses

- None
- It was a good course and a good experience too. Learnt a lot. Thank you so much.
- None
- No
- Study of Vermicompost helps us to understand how they enhanced the soil and promote the plant growth. Thank you
- The course was interesting!
- The course was very interesting and effective for various career options in the future.
- Practical was not clear
- Absolutely grateful to be a part of something extraordinary
- None.
- It was a good experience
- I'm ever grateful to have been a part of the EVS department. My mentors are the best. Thankful would be an understatement 🙏

- Thank you for all the great lessons!
- Nothing
- I have no suggestions for the course. It was delivered well , thanking the teachers for the knowledge that was imparted to us
- No feedback
- Vermicompost is an eco-friendly process that recycles organic waste into compost and produces valuable nutrients.
- Good

Certificate of Completion:



Photos:





Shillong, ML, India
Laitumkhrach, Shillong, 793003, ML, India
Lat 25.568601, Long 91.896449
04/05/2023 11:34 AM GMT+05:30



Shillong, ML, India
Laitumkhrach, Shillong, 793003, ML, India
Lat 25.568601, Long 91.896462
04/05/2023 11:37 AM GMT+05:30



Shillong, ML, India
Laitumkhrach, Shillong, 793003, ML, India
Lat 25.568609, Long 91.896413
04/05/2023 11:37 AM GMT+05:30



Shillong, Meghalaya, India
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Lat 25.568421°
Long 91.896444°
27/06/23 12:01 PM GMT +05:30



Shillong, Meghalaya, India
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Lat 25.568681°
Long 91.896995°
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Shillong, Meghalaya, India
HV9W+8C7, Laitumkhrach, Shillong, Meghalaya 793003, India
Lat 25.568647°
Long 91.896217°
27/06/23 12:02 PM GMT +05:30



Shillong, Meghalaya, India
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Long 91.896229°
27/06/23 12:06 PM GMT +05:30



Shillong, Meghalaya, India
HV9W+8C7, Laitumkhrach, Shillong, Meghalaya 793003, India
Lat 25.568656°
Long 91.896222°
27/06/23 12:11 PM GMT +05:30



CERTIFICATE COURSE
ON
'BASIC SOCIAL WORK
ENGAGEMENT
STRATEGIES FOR
INDIVIDUALS,
GROUPS, AND
COMMUNITIES'

*Offered by the Department of Social Work-PG
St. Edmund's College, Shillong*

*2nd – 8th
August 2022*

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Introduction

According to the National Association of Social Workers, “Social work practice consists of the professional application of social work values, principles, and techniques to one or more of the following ends: helping people obtain tangible services; counselling and psychotherapy with individuals, families, and groups; helping communities or groups provide or improve social and health services; and participating in legislative processes.”. In this regard, the Department of Social Work-PG, St. Edmund’s College, organized a Certificate Course for the social work students on “Basic Social Work Engagement Strategies for Individuals, Groups, and Communities” from 2nd - 8th August 2022. The main objectives of the course are as follows:

- To enhance the skills of the participants to practice social case work in the field while working with individuals.
- To enhance the skills of the participants to work with groups in various settings by applying the social group work and process.
- To enhance the skills of the participants to work with groups in various settings by applying the social group work and process.
- To enhance the skills of the participants to work with groups in various settings by applying the social group work and process.
- To enhance and develop proposal writing skills amongst the participants.

Programme Schedule:

Day	Date	Topics	Resource Person
1	2 nd August 2022	Technical Session 1: Social Work Intervention with individuals	Ms. Ainamlin Dkhar
2	3 rd August 2022	Technical Session 2: Participatory Rural Appraisal	Ms. Hazel Berret Wahlang
3	4 th August 2022	Technical Session 3: Participatory Rural Appraisal	Mr. Martius Rynjah
4	5 th August 2022	Technical Session 4: Strategic Management of Non-Profit Organization	Mr. Allanson Wahlang
5	6 th August 2022	Technical Session 5: Social Work Intervention with groups	Mr. George Kerry Sunn

6	8 th August 2022	Session 6: Debriefing Meeting Distribution of Certificate	Dr. Rituparna Rajendra
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Technical Session 1: Social Work Intervention with individuals

Ms. Ainamlin Dkhar took the first day session on Social Work Intervention with Individuals. She started the session by briefing on the importance of Social Case work as one of the primary methods of Social Work. She highlighted the important definitions and the principles of social case work and the stages of Social case work.

She emphasized during the session on the process of social case work, how to go about in taking a case, the assessment process and preparing the case work report. She explained in detailed the psychosocial assessment, family dynamics assessment, personal history of the clients and premorbid personality. In the afternoon session she focused the session on the important of social diagnosis/social analysis and the intervention plan. To make the students understands better she demonstrated and shows real case examples with the whole assessment process, social diagnosis and social work intervention.

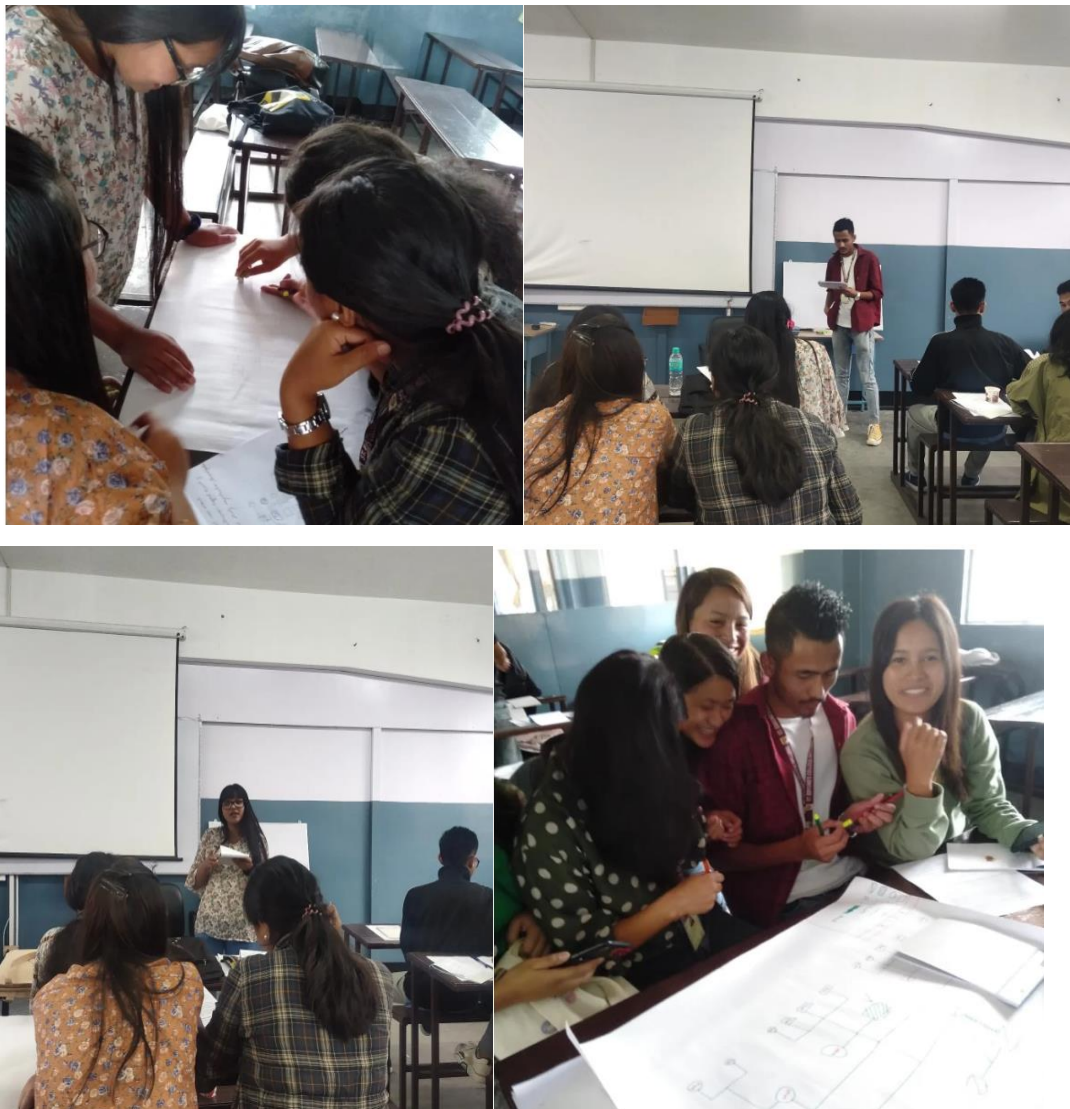
Activities: two group activities were conducted:

- To understand the importance of Family genogram in the social case work process, the students were given group activity to draw a three generational genogram, students were divided in to four groups where each group have to draw a three generational genogram and present it to everyone.



- The same group were also given one case sample each where the students have to read thoroughly, discuss among the group members and come up with a social

diagnosis/analysis and treatment plan and finally present their findings to the whole class.



Technical Session 2: Participatory Rural Appraisal

The technical session on Participatory Rural Appraisal was conducted by Ms. Hazel Berret Wahlang on the 3rd of August 2022. In her presentation, she discussed the main purpose of PRA which is to quickly collect, analyze, and evaluate information about rural conditions and local knowledge. She explained the role of the facilitator, the note-taker, and the team leader in a PRA. The resource person also divided the participants into two groups and asked them to draw a diagram on chart paper depicting the role of the facilitator (person who facilitates a focus group, the drawing of a map, or any PRA tool) and the role of the note-taker (person who records all pertinent and important information).



Ms. Hazel Wahlang highlighted 3 tools of PRA, namely, History Timeline, Transect Walk and Activity Clock.

1. History Timeline

The first tool that was taught was the History Timeline. It provides a timeline of significant historical events and changes in the community. Using this tool, students can gather information about important events that took place in their village. It is necessary for participants to identify a few elderly people, or meet a small group of villagers who are familiar with the village well, who will discuss the years and events that have occurred there. During the practice session, the participants met sir Gideon, the former programme officer of the NSS Unit at St. Edmund's College, to discuss the history timeline of the NSS Unit. Participants then constructed the History Timely Diagram in accordance with their findings.



2. Transect Walk

A second tool that was taught was the Transect Walk, which provides a means of describing location and distribution of resources, features, landscape, and main land uses along a given transect. This tool requires the participants to identify groups of local residents to interview about their perceptions of their community. In this exercise, information will be gathered, and the only prior information required is advice from key informants on identifying transect routes and selecting local analysts with care. During the practice session of this tool, participants toured the whole campus of St. Edmund's College to identify the available resources and unique features. Following the session, the students were asked to draw the Transect Walk Diagram and present their analyses to the group as a whole.



3. Daily Activity Clock

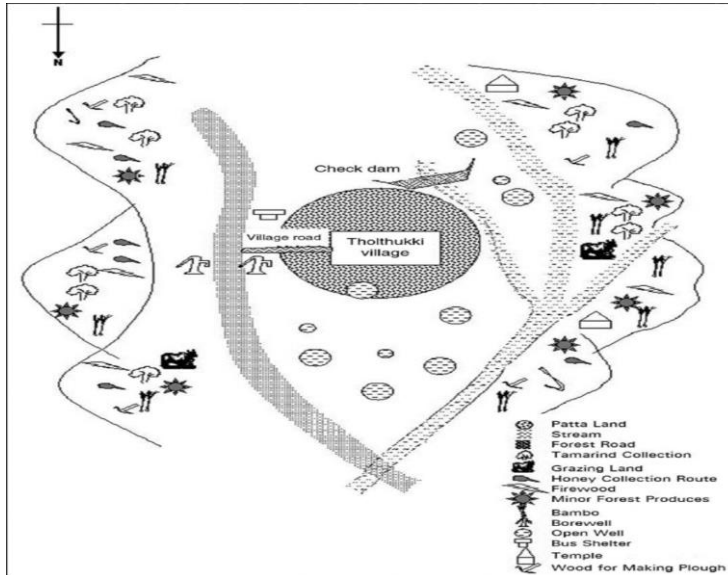
During the second day of the presentation, another PRA tool was highlighted, namely the Daily Activity Clock. The tool illustrates all the different types of activities that occur during the course of one day. The tool is particularly useful for examining the relative workloads of different groups within the community. Comparing clocks also enables one to determine who works the longest hours, who concentrates on a few tasks and who performs a number of tasks in a day, and who enjoys the greatest amount of leisure time. The participants were asked to observe the daily activities of a group of male and female college students (excluding their classmates) during college days and during holidays as a practical exercise for this tool. During this activity, participants gained a better understanding of the schedules of college students, created a Daily Activity Clock, and compared both genders.



Technical Session 3: Participatory Rural Appraisal

The third session of the certificate course was taken by Mr. Martius Rynjah on the PRA (Participatory Rural Appraisal) technique Social Mapping, Resource Mapping and Venn-Diagram. The first session (10:00 am – 11:30 am) was focused on social mapping and resource mapping. During the session, the resource person shared his knowledge on the meaning and purpose of mapping in PRA. It was also discussed that mapping in PRA are of different types depending on the theme that PRA facilitators wish to extract information from the local communities. Mapping technique in PRA with the participation of the local communities provides vital information of the community grass root reality. It provides first-

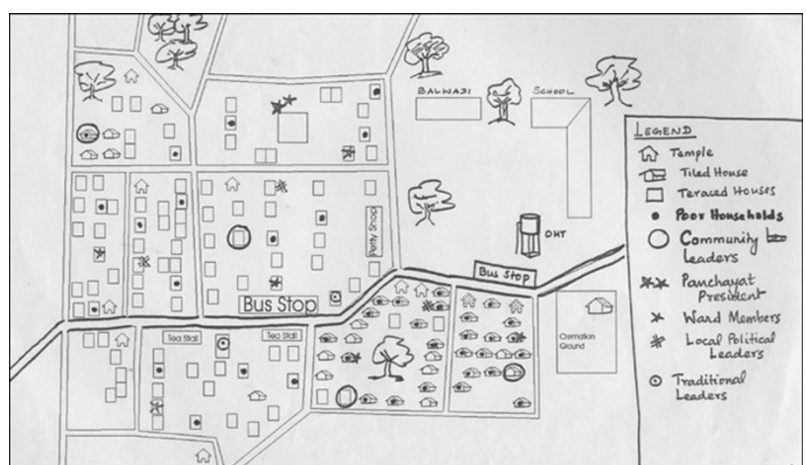
hand information and data to the facilitators to help understand better the spatial, geographical and socio-demographic representation, resource distribution and institutions of the community.



The session focused more on the two forms of mapping technique that are commonly used while conducting PRA i.e., Social Mapping and Resource Mapping. During the session, the resource person shared with the participants the concept and application of social mapping in PRA. A social map is a rough sketch of the community or village that the

community members transfer from their brains to the ground. Here, the households, institutions, roads, infrastructures, important institutions, influential people, etc., are being located on the map by the community members. The purpose of social mapping is not only a pictorial representation of the social map of the community but also allows the facilitator to critically analyze the information on the map. The procedures for conducting social mapping were also shared with the participants. By using examples of social map that have been conducted earlier the participants were shown how to read the social map understand it and analyze the information that are being projected in the map.

After the discussion on social mapping the following topic was resource mapping. The resource person discussed the concept of a



Source: PRA Unit, GRI (1995e).

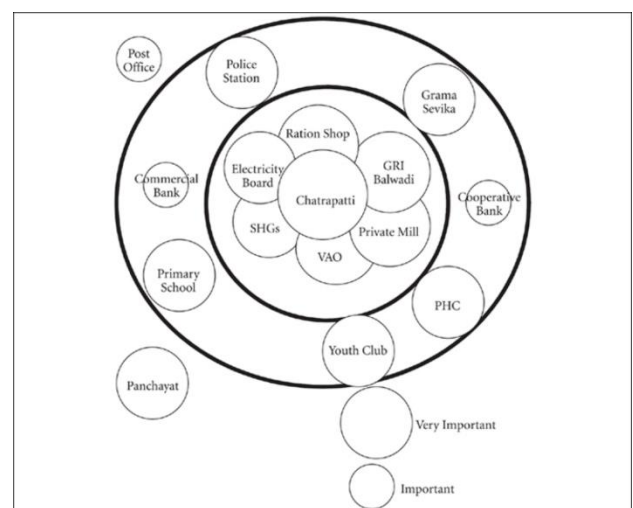
resource map with the participants and how it is different from a social map. Resource mapping is a representation of the community's resources on the map. Resource mapping provides the PRA facilitators an understanding of the local people's perception of resources.

It helps us to get better understanding of the of their conditions, accessibility, use patterns and related problems. Resource map helps to learn community's environmental, economic and social resources availability, utilization and accessibility. It focuses on what is important to the community. Resource map may include Maps may include; roads, houses, buildings, land use pattern, water, forests and its products etc. The resource person similarly shared with the participants on the procedures and process to facilitate the sketch of a resource map.

The last session of day 3 after lunch was focused on Institutional mapping which is also known as Venn-diagram or Chapatti Diagram. The concept of Venn-diagram is to map the important institutions present in the village or community and to understand its importance and relation in accordance with the perception of the local community members. Venn diagram or chapatti diagram is a visual depiction of key institutions, organisations and individuals and their relationship with the local community or other groups. Venn-diagram represents a network of different organisations has been established to serve the social, economic, political, religious, cultural and other interests of the people. Some organisations are created to promote the interests of all sections of the community. Some organisations specially created to cater to the needs of special categories of people or with a specific focus on certain sections of the community. Venn-diagram is represented by circles that are larger and smaller in size. The larger circle represents important institutions that is present in the community and smaller circle represents the institutions that are present in the village but of lesser importance. The distance of the circles also shows whether these institutions are present internally within the village or are external to the village.

Towards concluding day 3 of the certificate course the resource person facilitated the participants to identify the 'Do's and Don'ts' while conducting and facilitating PRA.

Do's: learn from the community, active listening, pay attention, observe, curiosity, asks questions, at the convenience of the local members, facilitate participation, seek permission, respect local cultures, thank the participants and community etc.



Source: PRA Unit, GRI (1995c).

Don'ts: judgmental, imposing, trying to be like the community members, use double barrel questions, I know better, etc. The resource person stressed that these what the participants have identified are the guiding principles that we should keep in mind while conducting PRA.



Technical Session 4: Strategic Management of Non-Profit Organization

The fourth technical session highlighted on Social Entrepreneurship was taken by Mr. Allanson Wahnag on the 5th of August 2022. Social Entrepreneurship aims to solve social problems and focus more on giving social impact on society, to teach students to be employees instead of developing skills and competencies to try something new, particularly being involved in any entrepreneurship endeavours.

Entrepreneurship education has emerged out as a demanding subject to be mastered by young students. With each passing day, as the jobs are getting limited owing to numerous reasons such as technological advancements and population growth, entrepreneurship option can be seen as a significant career option among the current generation. Therefore it was thought apt to have a discourse on Social Entrepreneurship to enable students to understand how entrepreneurs with a social bend contribute significantly to economic growth, entrepreneurship also generates numerous job perspectives.

The students were first educated on the concept of Entrepreneurship and the history of the concept. They were then explained on the basic differences between a business plan for private profiteering and social entrepreneur who profits from a social business plan but also helps improve the social, economic as well as the political landscape of the society at large.

The students were also taught on the basic tenets of Social Entrepreneurship which are as follows:

1. **Teaches Basic Life Skills:** Entrepreneurship education teaches essential life skills such as an innovative approach to solve a problem, resolve real world problems, collaboration and working with a team, and many more.
2. **Enhances Creativity:** Creative people always take a different approach to a problem and that's what makes a major difference. By encouraging creativity, innovation, and collaboration the entrepreneurship molds the students into an abler individual strong enough to face the reality of the outside world.
3. **Develops Problem Solving and Identification Capability:** Problem-solving and problem identification are two separate things. Students through years of practice may develop their problem-solving skills but to identify the problem much before its arrival and taking necessary precautions to tackle it differentiates a successful entrepreneur from the rest of the mass.
4. **Boosts Leadership Quality:** The world is always in need of a good leader for guidance. The students who are interested to make a difference will certainly succeed in paving a different pathway.
5. **Prepares the Students for an Uncertain Future:** In the volatile and dynamic market, new technologies are advancing in each passing day and the current generation is progressing towards a future without any certainty. They might take years to master a particular trade or skill but with time it might disappear from the market resulting in havoc in student's careers. By learning about entrepreneurship, one door will always be open for venturing into, if the things do not turn out as expected.

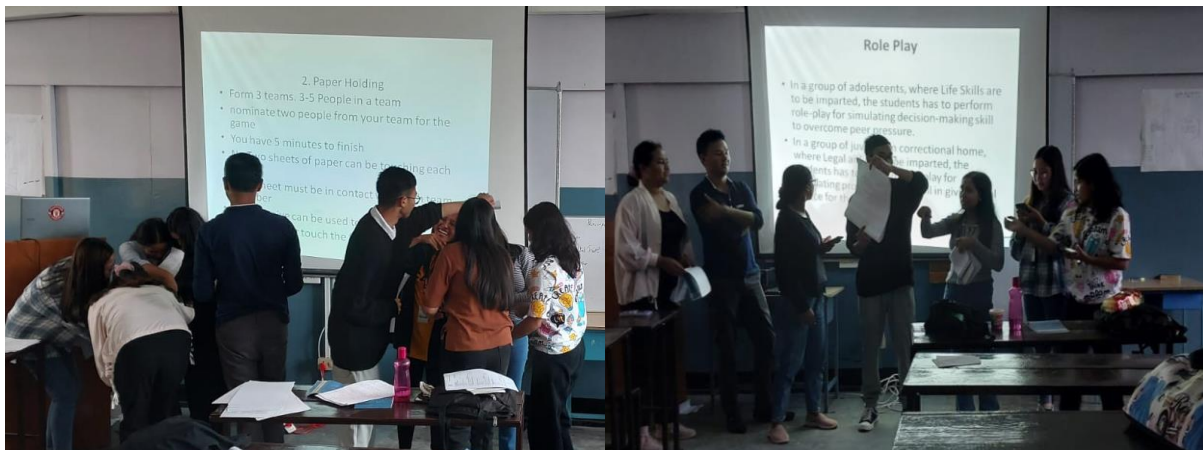
Lastly the students were asked to conduct a small activity where they were asked to look for 4 such social entrepreneurs that gave new meaning to the world of social business in the society that we live in. The students actively participated in the activity whereby they came up with names such as Sanjeev "BUNKER" Roy, Mohammed Younus, Jeffrey Hollander etc. and their contributions to the society.

Technical Session 5: Social Work Intervention with Groups

The technical session on Social Work Intervention with Groups was taken by Mr George Kerry Sunn on the 6th of August 2022. The technical session was started with the Group

Activity with the student followed by the interaction about the concept of Group. Further with the interaction, he discussed on the importance of Group Work in different sectors not only in the context of social work. He focused on the important elements of group structure and group work process. He also emphasized on the goals and objectives and principle of Social Group Work. In between the session he conducted group activities called paper holding. This activity enables the students to understand the importance of group communication, it also enhances the students' ability to think creatively in the group and it emphasized on the spirit of team/ group work.

In the second half of the session, he discussed on the formation of group stages and it is important on how to form a group by studying the developmental stages given by B.W. Tuckman. Furthermore, he emphasized the session on the importance of program media in Group Work on how to use and apply program media during group work activity or processes. Other topics on roles of a group worker, skills of group work were also discussed with the interaction of the students.



Towards the end of the technical session, the students were divided into two groups and they were given a group activity to complete in which the students need to discuss and come up with idea and suggestions through Group work. The 1st Group were given an activity on Life skills through which Life Skills are to be imparted, the students has to perform role-play for simulating decision-making skill to overcome peer pressure. The 2nd Group were given an activity on juvenile in correctional home, where Legal aid are to be imparted, the students has to perform role-play for simulating problem solving skill in giving legal advice for the minors.

Feedback and Conclusion

In the final session of the Certificate Course, Dr. Rituparna Rajendra conducted a debriefing Session with the participants. Students were asked to reflect upon their learning from the Certificate Course and record their thoughts in writing.

During the technical session, the case study was fascinating and engaging as they worked on it together as groups, and the critical analysis of the study was hard and thought-provoking. Using the casework format, they also gained knowledge regarding various principles and techniques in regards to working with individuals. During the session, actual cases were provided as an activity, and the trainee was instructed on how to deal with different cases, including understanding the case, and how to intervene according to the various intervention models. – Student Social Worker who attended the workshop

As a facilitator and note-taker during the PRA, the participants observed and learned how the two functions should be carried out. They learned about drawing diagrams and maps, as well as analysing them critically as they draw them. As well as that, they learned that they should collaborate with the local guide in order to get a better understanding of the community. Furthermore, the participants had the opportunity to also learn about strategies and skills related to dealing with rural people, which were new to them and presented a new perspective on how to effectively conduct PRA types of activities. Participants gained a deeper understanding of the different PRA tools, especially when it came to putting them into practice.

Participants learned about social entrepreneurship and the techniques used by start-up companies and other entrepreneurs to develop, fund, and implement solutions to social and environmental issues. Moreover, they learned how to develop a business model that serves everyone's interests. The participants were also made aware of the current conditions in our society as well as career opportunities beyond our studies, which really helped them to prepare for the future and where they will be going after we graduate. Participants were encouraged to venture out of their comfort zones and contribute to social change through social entrepreneurship. There was a great deal of interest in this topic, since it was very new to the participants.

There was also an understanding of the difference between the Principles of Social Work and the Principles of Group Work amongst the participants. They also learned about the different ways of approaching the practice of group work in a social work setting and about the

importance and efficiency of social work intervention in a group setting. The participants learned how important teamwork is in the workplace.

Several other sessions were suggested, including Career Counseling, Personality Development, Mental Health, and Effective Communication Skills. It was even suggested that Social Entrepreneurship could be integrated into the curriculum or be included as career counselling sessions. Also, they recommended this certificate programme for their juniors as it would benefit them during their fieldwork. Furthermore, they recommend that the Department conduct more seminars, workshops, or training programmes on different career paths in social work, as this will aid them in understanding which setting they may wish to pursue in the future. It was also suggested to invite resource persons from other universities or institutions in addition to the department's teachers.



Hence, through this course, the participants gained insight on how they can use a variety of strategies during their fieldwork or at work later in their life. And as two participants pointed out, Learning about work skills in a variety of settings throughout society has provided students with a new level of knowledge and I am confident that I will be able to apply the different skills I gained from this certificate course after completing my studies and starting my professional career.

Annexure

Annexure 1: Event Poster





**One Week Certificate Course
On**

**Basic Social Work Engagement Strategies for
Individuals, Groups, and Communities**

ORGANISED BY

**Department of Social Work-PG
St Edmund's College, Shillong**

Date: 2nd August 2022 - 8th August 2022

VENUE:

**Fieldwork Laboratory
Department of Social Work-PG,
St Edmund's college**



Made by:
Thompson Sangma
MSW 3rd Semester
St. Edmund's College, Shillong

Annexure 2: List of Students Completed

1. Lisidora Suting
2. Iumiki Sayoo
3. Dakermika Sweety Shylla
4. Darihun Lyngdoh
5. Charemiki Diengdoh
6. Gracefulness Dkhar
7. Daphiwanpli Shadap
8. Norinda Kshiar
9. Sukkynjai Syiem
10. Ribanlin Lyngdoh
11. Larisa Nonghyndai
12. Nathan Dondor Langstieh
13. Martin Micheal Nongrum
14. Amika Marwein

DEPARTMENT OF ENVIRONMENTAL SCIENCE
ST. EDMUND'S COLLEGE, SHILLONG
CERTIFICATE COURSE ON VERMICOMPOSTING TECHNOLOGY FOR WASTE
MANAGEMENT

Program: Certificate Course on Vermicomposting Technology for Waste Management

Date & Time: August 2022 to July 2023

Venue: Department of Environmental Science Lab

Teachers: Dr. J. T. Sawian, Ms. I. Rynjah, Ms. L. Jeengaph, Ms. M. D. Khongwir, Sir D. Suchiang, Sir E. Sumer.

No. of students: 27

Objectives:

- Able to explain the need and concept of eco-friendly technology
- Production of useful products like vermifertilizers or nutrient-rich compost
- Helps in reducing the amount of organic wastes

The Department of Environmental Science, St. Edmund's College is conducting a one-year certificate course on Vermicomposting Technology for Waste Management for the year 2022-23 w.e.f. August 2022 to June 2023.

Enhanced skill for the production of vermicompost is an add-on to their knowledge and skill set. The scope is for Self-Employment with very little or no investment. On completion of this course, students will be able to produce vermicompost and be self-employed.

The main aims and objectives of the course is to be able to explain the students on the need and concept of eco-friendly technology, production of useful products like vermifertilizers or nutrient-rich compost and helps in reducing the amount of organic wastes.

List of Students enrolled:

To Whom it May Concern			
Department of Environmental Science, St. Edmund's College is conducting certificate course on Vermicomposting Technology for Wa ement for the year with effect from			
n.	Name	Class	Signature
	Gingoumang	5 th sem-6 th sem	Gingoumang
	Ribanshem I. Mawnai	5 th sem-6 th sem	Ribanshem
	Sodinen Jamir	5 th sem-6 th sem	Sodinen
	Chingman I Sangma	5 th sem-6 th sem	Chingman
	Joana S Sangma	5 th sem-6 th sem	Joana
	Blajied Kyrpang Tariang	5 th sem-6 th sem	Blajied
	Lamki Dame Laloo	5 th sem-6 th sem	Lamki
	Nehjasei Haokip	5 th sem-6 th sem	Nehjasei
	Zhilo Chachei	5 th sem-6 th sem	Zhilo
	Wanki Dame Laloo	5 th sem-6 th sem	Wanki
	Ankita Basumatari	5 th sem-6 th sem	Ankita Basumatari
	Ankita Sarmah	5 th sem-6 th sem	Ankita Sarmah
	Lapynhun Kharkongor	5 th sem-6 th sem	Lapynhun
	Anoshna Mukherjee	5 th sem-6 th sem	Anoshna Mukherjee
	Vania Catherine Shadap	5 th sem-6 th sem	Vania
	Idaka Warihun Lamare	5 th sem-6 th sem	Idaka
	Donkupa Syiemlieh	5 th sem-6 th sem	Donkupa
	Daphraki Biam	5 th sem-6 th sem	Daphraki
	Ingie Chwlpak D Shira	5 th sem-6 th sem	Ingie
	Thyhandsonus Lyngdoh	5 th sem-6 th sem	Thyhandsonus
	Wanhunlang K. Dewsaw	5 th sem-6 th sem	Wanhunlang K. Dewsaw
	Stephen Yunilam Chada	5 th sem-6 th sem	Stephen
	Evadacareme Lyngdoh	5 th sem-6 th sem	Evadacareme
	Holei Kasar	5 th sem-6 th sem	Holei
	Rinasuk Suchiang	5 th sem-6 th sem	Rinasuk

26	Bankyntiew Snaitang	5 th sem-6 th sem	Bankyntiew
27	Rivotmi Shulet	5 th sem-6 th sem	Rivotmi

(Dr. J.T. Sawian)
H.O.D
Department of Environmental Science

List of Resource Person

1	Dr. J. T. Sawian
2	Ms. L. Jeengaph
3	Ms. I. Rynjah
4	Ms. M. D. Khongwir
5	Sir D. Suchiang
6	Sir E. Sumer

Flyer



St. Edmund's College
ESTD: 1923



Certificate Course on **Vermicomposting Technology for Waste Management**

Department of Environmental Science

One year certificate course for
the year 2022-2023

AIMS & OBJECTIVES

- Able to explain the need and concept of eco-friendly technology
- Production of nutrient rich compost
- Reduce the amount of organic wastes

Enhanced Skill for production of vermicompost
Self-employment with very little or no investment

REGISTRATION FREE

Contact details:

📞 9862212836; 9863018917

Email

🌐 evs.sec07@gmail.com

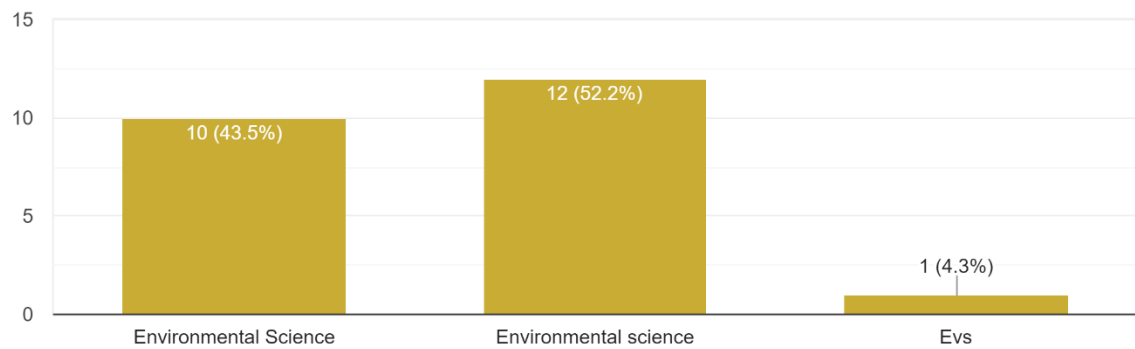
Eligibility: Students of the College

Certificates will be provided at the end of successful completion of the Course

Feedback of the course:

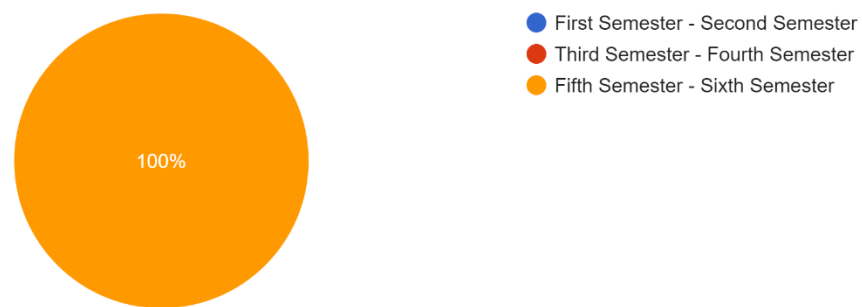
Department

23 responses



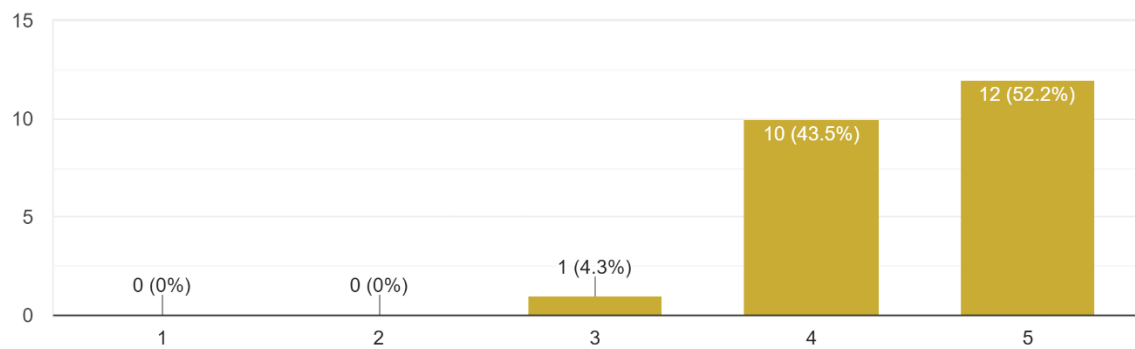
Semester

23 responses



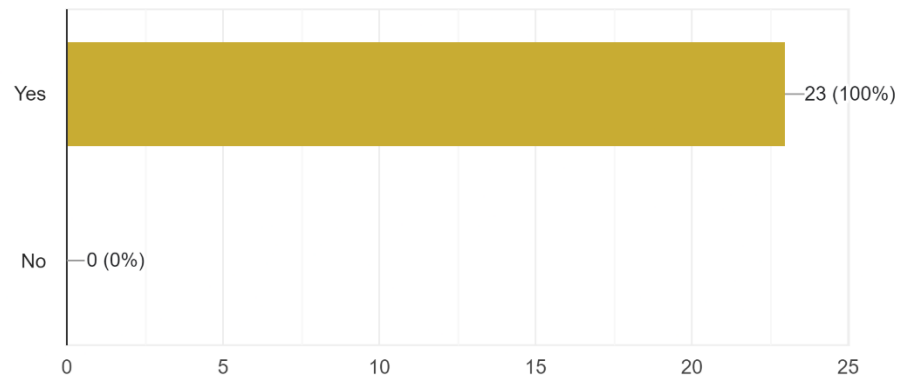
How satisfied were you with the course?

23 responses



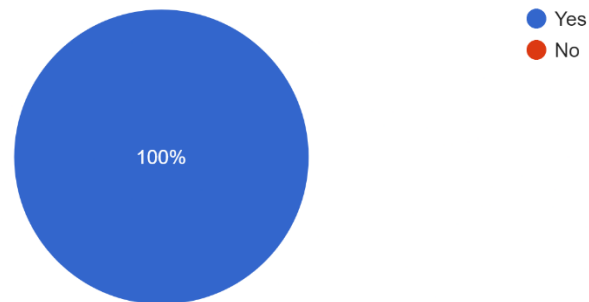
Were objectives of the course clear to you?

23 responses



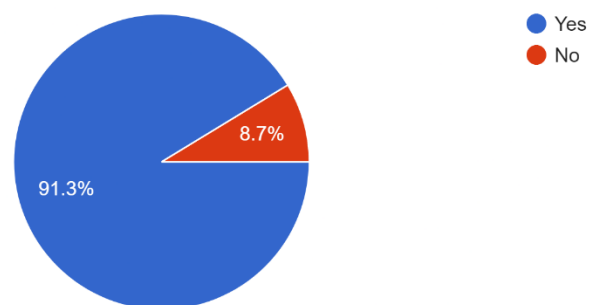
The lectures were clear and easy to understand

23 responses



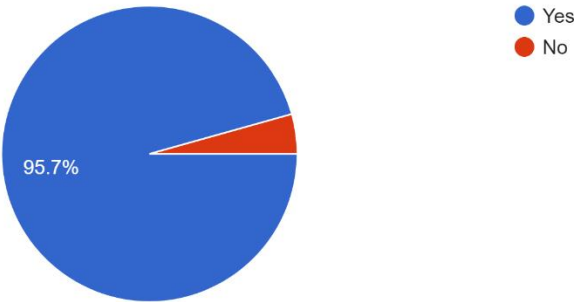
Practical demonstrations are clear

23 responses



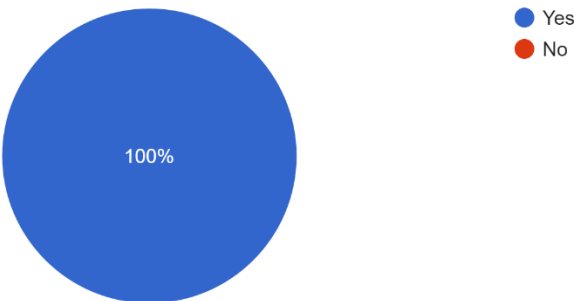
The teaching aids were effectively used

23 responses



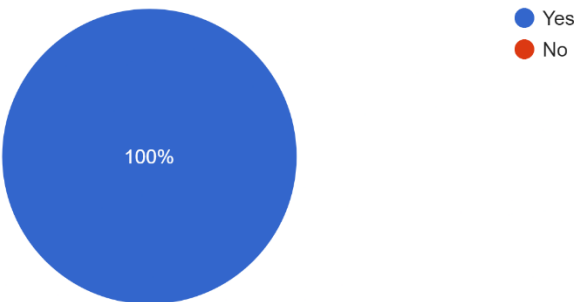
The course material handed out was adequate

23 responses



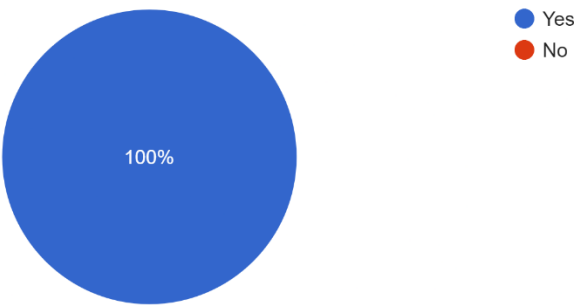
The course exposed you to new knowledge and practices

23 responses



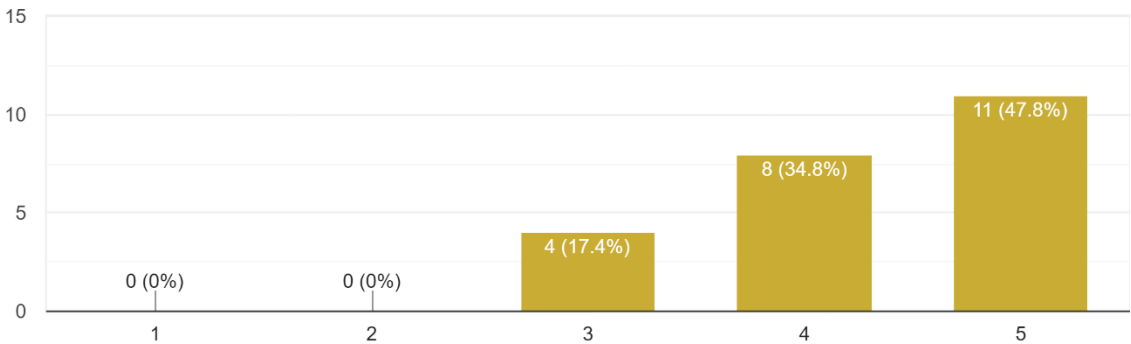
Does this course covers a wide range of issues concerning waste management

23 responses



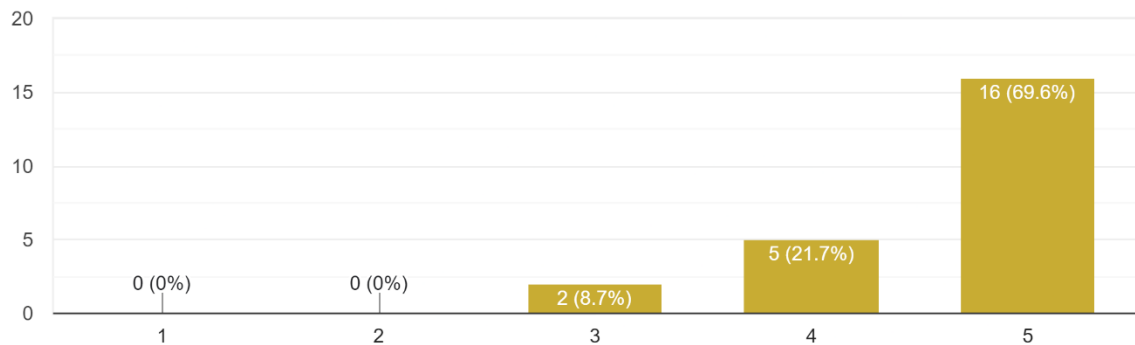
Learning value (in terms of skill development, concepts, knowledge, analytical abilities or broadening perspectives)

23 responses



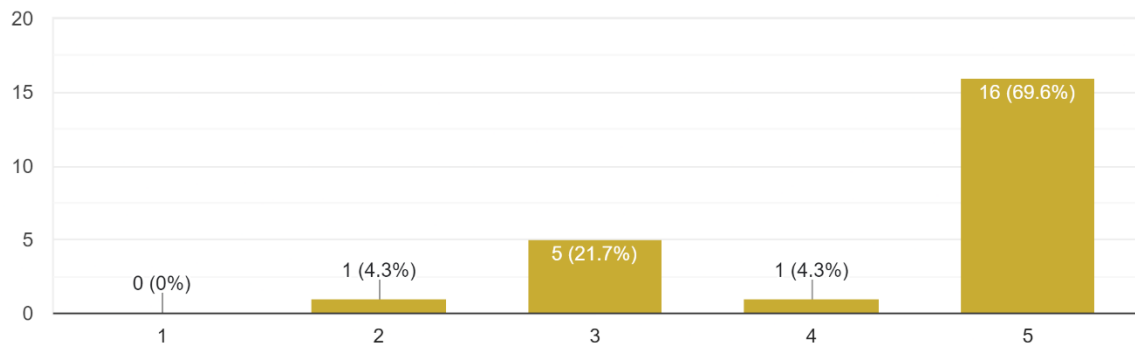
Applicability/Relevance to real life situation

23 responses



How relevant and helpful do you think it was for your career?

23 responses



Any overall feedback or suggestion for the course

23 responses

- None
- It was a good course and a good experience too. Learnt a lot. Thank you so much.
- None
- No
- Study of Vermicompost helps us to understand how they enhanced the soil and promote the plant growth. Thank you
- The course was interesting!
- The course was very interesting and effective for various career options in the future.
- Practical was not clear
- Absolutely grateful to be a part of something extraordinary
- None.
- It was a good experience
- I'm ever grateful to have been a part of the EVS department. My mentors are the best. Thankful would be an understatement 🙏

- Thank you for all the great lessons!
- Nothing
- I have no suggestions for the course. It was delivered well , thanking the teachers for the knowledge that was imparted to us
- No feedback
- Vermicompost is an eco-friendly process that recycles organic waste into compost and produces valuable nutrients.
- Good

Certificate of Completion:



Photos:





Shillong, ML, India
Laitumkhrah, Shillong, 793003, ML, India
Lat 25.568601, Long 91.896449
04/05/2023 11:34 AM GMT+05:30



Shillong, ML, India
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Shillong, ML, India
Laitumkhrah, Shillong, 793003, ML, India
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Department of Biotechnology

St. Edmund's College

Shillong

REPORT ON

VALUE ADDED COURSE ON

DNA & Its Applications



Organized by

Department of Biotechnology
St. Edmund's College, Shillong



Department of Biotechnology

St. Edmund's College

Acknowledgements

It gives me a deep sense of gratitude to appreciate the people who have helped the department to conduct such a wonderful certificate course. My heartfelt appreciation and the source of inspiration to

- ⇒ Br (Dr) Simon Coelho, Secretary (GB), St. Edmund's College, Shillong
- ⇒ Dr Sylvanus Lamare, Principal, St. Edmund's College, Shillong
- ⇒ Prof Monotosh Chakravarty, Vice Principal, St. Edmund's College, Shillong
- ⇒ Prof Sumit Deb, IQAC Coordinator, St. Edmund's College, Shillong
- ⇒ Bro S Julius, Bursar, St. Edmund's College, Shillong
- ⇒ Ms Darshana Sarma, Department of Biotechnology, St. Edmund's College, Shillong
- ⇒ Mr Arjit Das, Department of Department of Biotechnology, St. Edmund's College, Shillong
- ⇒ Ms Deishadaphi B Toi, Department of Department of Biotechnology, St. Edmund's College, Shillong
- ⇒ Ms Shabnam Barbhuiya, Department of Department of Biotechnology, St. Edmund's College, Shillong
- ⇒ Ms Soumyarupa Sarma, Department of Department of Biotechnology, St. Edmund's College, Shillong
- ⇒ Ms Priya Paul, Technical Assistant, St. Edmund's College, Shillong
- ⇒ Mr Erwein Khshiar, Lab Attendant, Dept of Biotechnology, St. Edmund's College, Shillong
- ⇒ All the students participants.

1. Title of the Course:

Value Added Course on DNA & its Applications

2. Course Code No:

VACBT2021001

3. Total Contact Hours:

13 hrs

4. Total Credits:

0.65

5. Date of Approval

28th October 2021

5. Opening of registration process:

2nd November 2021

6. Closing of Registration Process:

5th November 2021

7. Mode of Registration:

Online

8. Weblink for Registration:

<https://docs.google.com/forms/d/1izCFBeNJH1mBEaTxF1MvhXU8DYMDtpNbFewd9utWrjl/edit?usp=sharing>

9. Date for Commencement of the Course:

8th November 2021

10. Closing of the course:

12th November 2021

11. Duration:

5 days

12. Total No of Students Enrolled:

41 UG Students

13. Registration Fees:

NIL

14. Total Registration Fees Collected:

NA

15. Course Coordinator:

Dr Samrat Adhikari, Head, Department of Biotechnology
St. Edmund's College, Shillong

Prof Sumit Deb, IQAC Coordinator, St. Edmund's
College, Shillong

16. Resource Persons:

Ms Darshana Sarma, Department of Biotechnology, St.
Edmund's College

Mr Arjit Das, Department of Biotechnology, St.
Edmund's College, Shillong

Ms Deishadaphi B Toi, Department of
Biotechnology, St. Edmund's College, Shillong

Ms Shabnam Bharbhuiya, Department of
Biotechnology, St. Edmund's College, Shillong

Ms Soumayarupa Sarma, Department of Biotechnology, St.
Edmund's College, Shillong

Course description

Ever since the discovery of the double helical structure of the DNA by Watson & Crick with its complete composition, it became an evident breakthrough in the history of Biotechnology and have opened various emerging fields to study the DNA of all individuals. Basically, many scientists and great philanthropist emphasis DNA as a basic of life and the future lies with a complete engineering of the base composition of DNA. The course intends to enlighten students about the Composition of the DNA in details its hierarchy and its interaction with various other attributes both genotypically and phenotypically.

Course structure

The VAC syllabus proposed is of 13 contact hours with 5 modules units (Module 1, Module2, Module 3, Module 4 and Module 5). Each of these contact hours has course on fundamentals of DNA, its core structure, functions, and its application in various allied fields. Furthermore, each of the units will have assessment period and finally at the end appropriatefeedback will also be implemented.

Module	Code	Name of thePaper	Contact Hours		TOTAL
			Theory	Assessments	
1	I	DNA – the basic unit of life & its structure	2	0.5	2.5
2	II	DNA as a carrier of Genetic information	2	0.5	2.5
3	III	DNA isolation	2	0.5	2.5
4	IV	DNA Mutation	2	0.5	2.5
5	V	DNA applications	2.5	0.5	3.0
				TOTAL	13

Mode of Conduct of the Course

The course will be conducted completely online using the College Linways Learning Management System (LMS). Each teacher will be assigning the roles in their respective accounts and the external faculty will be using the account of the course coordinator. The mode of presentation has been live sessions, Power point presentations, video recording which has been uploaded in the LMS system for the students to view at any time. The assessment of the students was completed using online exam tools and

the students who intend to improve the marks were given a chance to go for a retest. Each day student feedback was verbally recorded, and accordingly effective tools were implemented for making the teaching learning process in effective manner.

Each student was given a chance for their feedback after the completion of the course and the same were analyzed using appropriate tools.

Grading Policy

Students will be assigned the following grades, based on the complete course assessments.

Marks	Final Grade
90-100	A+
80-90	A
70-80	B+
60-70	B
50-60	C+
40-50	C
Below 50	Needs Improvement

List of Students Registered for the Certificate Course

SI No	Student ID	Name	Semester	Subject
1	19/BIOT/411	Ankita Saikia	V	Biotechnology
2	19/BIOT/414	Proshila Rai	V	Biotechnology
3	19/BIOT/415	Jenny Moi	V	Biotechnology
4	19/BIOT/419	Diarchy Hajong	I	Biotechnology
5	19/BIOT/427	Riyas Reang	I	Biotechnology
6	19/BIOT/433	Suman Kumari Rai	I	Biotechnology
7	21/BIOT/401	Alarissa Jasmine Sawian	I	Biotechnology
8	21/BIOT/402	Jiphila Roidill Shabong	I	Biotechnology
9	21/BIOT/403	M Lhingneivah Haokip	I	Biotechnology
10	21/BIOT/405	Franky L Nongbri	I	Biotechnology
11	21/BIOT/406	Chanshim Kashung	I	Biotechnology
12	21/BIOT/410	Nisha Kumari Ray	I	Biotechnology
13	21/BIOT/412	Sakginchira Mangsang Sangma	I	Biotechnology

14	21/BIOT/414	Vanshika Jasrasaria	I	Biotechnology
15	21/BIOT/416	Nairity Goswami	I	Biotechnology
16	21/BIOT/417	Sambunki Pakem	I	Biotechnology
17	21/BIOT/418	Rosy Lallawmawmi	I	Biotechnology
18	21/BIOT/420	Susmita Das	I	Biotechnology
19	21/BIOT/421	Tapunishtha Borah	I	Biotechnology
20	21/BIOT/422	Rajdeep Paul	I	Biotechnology
21	21/BIOT/423	Amon Jyoti Goswami	I	Biotechnology
22	21/BIOT/424	Linda Zairemmawii	I	Biotechnology
23	21/BIOT/431	Ankit Dasgupta	I	Biotechnology
24	21/BIOT/436	Khusboo Sharma	I	Biotechnology
25	21/BIOT/444	Swagata Dutta	I	Biotechnology
26	21/BIOT/445	Sushang Tamang	I	Biotechnology
27	21/BIOT/446	Ashakiran D Rai	I	Biotechnology
28	21/BSWS/030	Nafisha Malngiang	I	Social Work
29	19/BIOT/404	Wandashisha Kharkongor	V	Biotechnology
30	19/BIOT/420	Babetshisha Kharnaier	V	Biotechnology
31	21/BIOT/408	Ankita Hazarika	I	Biotechnology
32	21/BIOT/413	Lhingjoujam Misao	I	Biotechnology
33	21/BIOT/429	Bhaswati Chakraborty	I	Biotechnology
34	21/BIOT/442	Uranim K C Shaiza	I	Biotechnology
35	21/BIOT/426	Rode Islary	I	Biotechnology
36	21/BIOT/433	Wilson Sutnga	I	Biotechnology
37	21/BIOT/439	Kimkimchi M Momin	I	Biotechnology
38	21/BIOT/411	Rahul Sunar	I	Biotechnology
39	21/BSWS/034	Wiancy Mary Sun	I	Social Work
40	21/BSWS/042	Darihunlang Phawa	I	Social Work
41	21/BSWS/048	Shidalin Basaiawmoit	I	Social Work

Attendance

SI No	Student ID	Name	Semester	Total Hours	Attended	Attendance
1	19/BIOT/411	Ankita Saikia	V	13	13	100 %
2	19/BIOT/414	Proshila Rai	V	13	13	100 %
3	19/BIOT/415	Jenny Moi	V	13	13	100 %
4	19/BIOT/419	Diarchy Hajong	I	13	13	100 %
5	19/BIOT/427	Riyas Reang	I	13	13	100 %
6	19/BIOT/433	Suman Kumari Rai	I	13	13	100 %
7	21/BIOT/401	Alarissa Jasmine Sawian	I	13	13	100 %
8	21/BIOT/402	Jiphila Roidill Shabong	I	13	13	100 %
9	21/BIOT/403	M Lhingneivah Haokip	I	13	13	100 %
10	21/BIOT/405	Franky L Nongbri	I	13	13	100 %
11	21/BIOT/406	Chanshim Kashung	I	13	13	100 %
12	21/BIOT/410	Nisha Kumari Ray	I	13	13	100 %
13	21/BIOT/412	Sakginchira Mangsang Sangma	I	13	13	100 %
14	21/BIOT/414	Vanshika Jasrasaria	I	13	13	100 %
15	21/BIOT/416	Nairity Goswami	I	13	13	100 %
16	21/BIOT/417	Sambunki Pakem	I	13	13	100 %
17	21/BIOT/418	Rosy Lallawmawmi	I	13	13	100 %
18	21/BIOT/420	Susmita Das	I	13	13	100 %
19	21/BIOT/421	Tapunishtha Borah	I	13	13	100 %
20	21/BIOT/422	Rajdeep Paul	I	13	13	100 %
21	21/BIOT/423	Amon Jyoti Goswami	I	13	13	100 %
22	21/BIOT/424	Linda Zairemmawii	I	13	13	100 %
23	21/BIOT/431	Ankit Dasgupta	I	13	13	100 %
24	21/BIOT/436	Khusboo Sharma	I	13	13	100 %
25	21/BIOT/444	Swagata Dutta	I	13	13	100 %
26	21/BIOT/445	Sushang Tamang	I	13	13	100 %
27	21/BIOT/446	Ashakiran D Rai	I	13	13	100 %
28	21/BSWS/030	Nafisha Malngiang	I	13	13	100 %
29	19/BIOT/404	Wandashisha Kharkongor	V	13	11	84 %
30	19/BIOT/420	Babetshisha Kharnaier	V	13	11	84 %
31	21/BIOT/408	Ankita Hazarika	I	13	11	84 %

32	21/BIOT/413	Lhingjoujam Misao	I	13	11	84 %
33	21/BIOT/429	Bhaswati Chakraborty	I	13	11	84 %
34	21/BIOT/442	Uranim K C Shaiza	I	13	2.5	19 %
35	21/BIOT/426	Rode Islary	I	13	5	38 %
36	21/BIOT/433	Wilson Sutnga	I	13	2.5	19 %
37	21/BIOT/439	Kimkimchi M Momin	I	13	5	38 %
38	21/BIOT/411	Rahul Sunar	I	13	3	23 %
39	21/BSWS/034	Wiancy Mary Sun	I	13	3	23%
40	21/BSWS/042	Darihunlang Phawa	I	13	3	23 %
41	21/BSWS/048	Shidalin Basaiawmoit	I	13	11	84 %

RESULTS

The examination (online mode) was conducted for the modules I, II, III, IV & V with a total of 100 marks with a time limit of 30 minutes. Each student has performed very well. The MCQ question was based on the reasoning ability to solve concept-based questions.

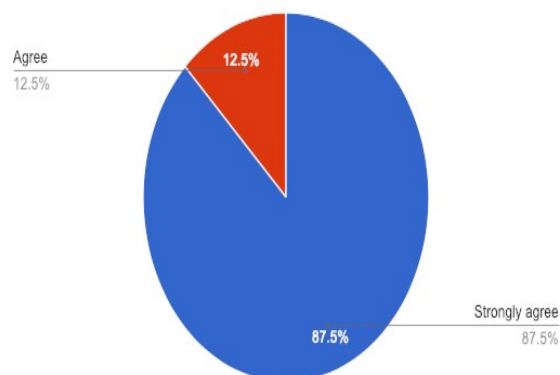
SI	Enrollment No	Name	Module					Total	%	Grade
			I	II	III	IV	V			
			20	20	20	20	20			
1	19/BIOT/411	Ankita Saikia	18	17	19	19	20	93	93	A ⁺
2	19/BIOT/414	Proshila Rai	19	18	18	18	20	93	93	A ⁺
3	19/BIOT/415	Jenny Moi	19	19	18	19	20	95	95	A ⁺
4	19/BIOT/419	Diarchy Hajong	20	16	20	19	20	95	95	A ⁺
5	19/BIOT/427	Riyas Reang	17	17	20	19	20	93	93	A ⁺
6	19/BIOT/433	Suman Kumari Rai	18	17	20	18	19	92	92	A ⁺
7	21/BIOT/401	Alarissa J Sawian	16	17	19	19	11	82	82	A
8	21/BIOT/402	Jiphila Roidill Shabong	16	18	16	17	17	84	84	A
9	21/BIOT/403	M Lhingneivah Haokip	18	16	18	16	16	84	84	A
10	21/BIOT/405	Franky L Nongbri	13	17	18	17	14	79	79	B ⁺
11	21/BIOT/406	Chanshim Kashung	12	11	16	18	13	70	70	B ⁺
12	21/BIOT/410	Nisha Kumari Ray	1	17	18	17	18	71	71	B ⁺
13	21/BIOT/412	Sakginchira M Sangma	13	18	14	18	13	76	76	B ⁺
14	21/BIOT/414	Vanshika Jasrasaria	16	17	12	19	16	80	80	A
15	21/BIOT/416	Nairity Goswami	16	15	17	17	14	79	79	B ⁺
16	21/BIOT/417	Sambunki Pakem	15	18	18	15	18	84	84	A
17	21/BIOT/418	Rosy Lallawmawmi	2	19	18	17	16	72	72	B ⁺
18	21/BIOT/420	Susmita Das	13	18	17	17	18	83	83	A
19	21/BIOT/421	Tapunishtha Borah	15	16	17	18	16	82	82	A

20	21/BIOT/422	Rajdeep Paul	14	18	14	13	16	75	75	B ⁺
21	21/BIOT/423	Amon Jyoti Goswami	5	7	3	4	8	75	75	B ⁺
22	21/BIOT/424	Linda Zairemmawii	5	17	15	16	18	27	27	-
23	21/BIOT/431	Ankit Dasgupta	16	16	18	17	14	71	71	B ⁺
24	21/BIOT/436	Khusboo Sharma	10	15	7	9	15	81	81	A
25	21/BIOT/444	Swagata Dutta	16	18	13	16	16	56	56	B
26	21/BIOT/445	Sushang Tamang	15	17	17	19	17	79	79	B ⁺
27	21/BIOT/446	Ashakiran D Rai	12	14	11	15	13	85	85	A
28	21/BSWS/030	Nafisha Malngiang	0	14	16	19	19	65	65	B
29	19/BIOT/404	W Kharkongor	0	14	15	19	18	68	68	B
30	19/BIOT/420	Babetshisha Kharnaioir	0	17	18	18	18	66	66	B
31	21/BIOT/408	Ankita Hazarika	17	0	7	17	15	71	71	B ⁺
32	21/BIOT/413	Lhingjoujam Misao	0	17	16	18	17	56	56	B
33	21/BIOT/429	Bhaswati Chakraborty	13	17	11	8	0	68	68	B
34	21/BIOT/442	Uranim K C Shaiza	12	0	0	0	0	49	49	C
35	21/BIOT/426	Rode Islary	0	0	10	16	16	12	12	-
36	21/BIOT/433	Wilson Sutnga	17	0	0	0	0	42	42	C
37	21/BIOT/439	Kimkimchi M Momin	14	16	0	0	0	17	17	-
38	21/BIOT/411	Rahul Sunar	0	0	0	0	9	30	30	-
39	21/BSWS/034	Wiancy Mary Sun	0	0	0	0	14	9	9	-
40	21/BSWS/042	Darihunlang Phawa	0	15	13	1	1	14	14	-
41	21/BSWS/048	Shidalin Basaiawmoit	18	17	19	19	20	30	30	-
42										

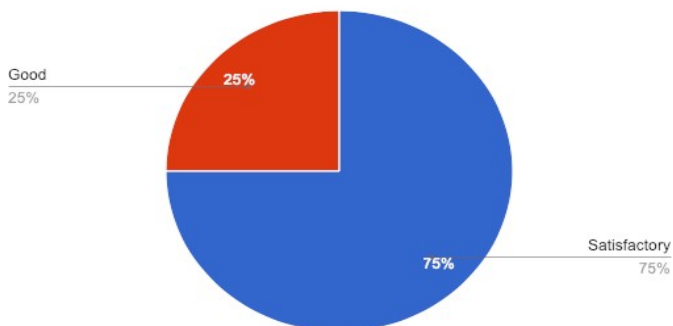
Feedback of Guest Faculty

The Feedback form for the guest faculty was designed with inputs from the IQAC cell for the participants using google form and was responded by 6 resource persons. The analysis is depicted below.

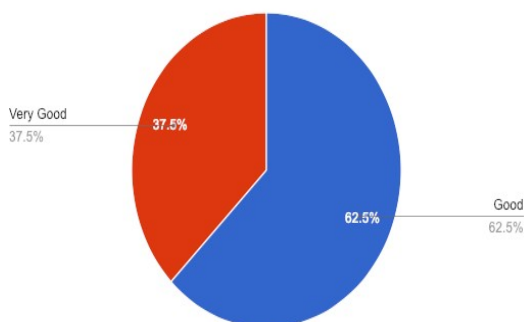
The time management to conduct the course was efficient



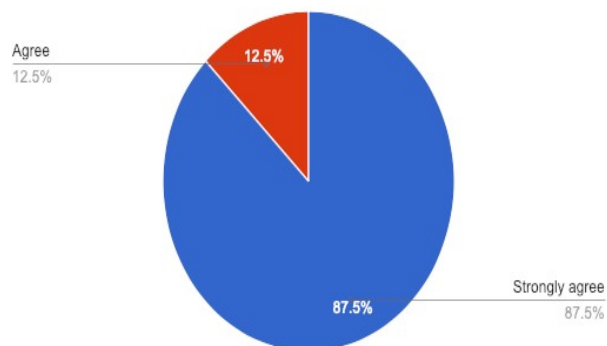
The content of the course was



The response from the Learners during lecture/interactive session were



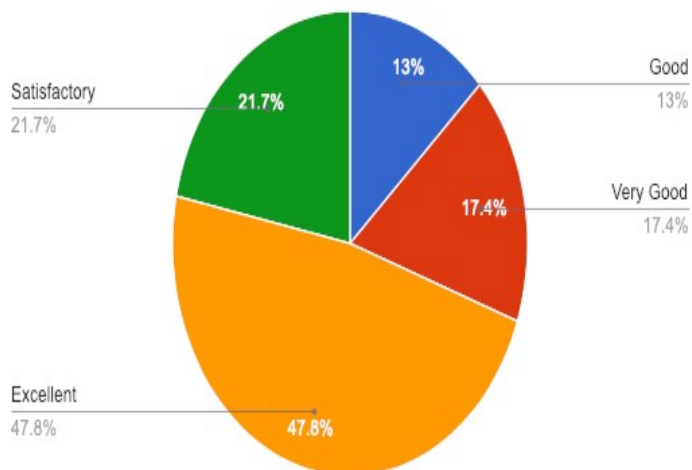
The Learning Management System (LMS) software used for running the course is up to date



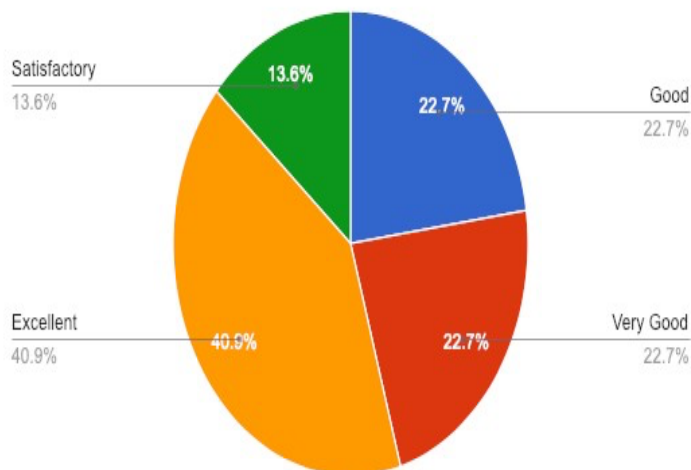
Feedback of Participants

The Feedback form was designed with inputs from the IQAC cell for the participants using google forms and was responded by 41 participants. The analysis is depicted below.

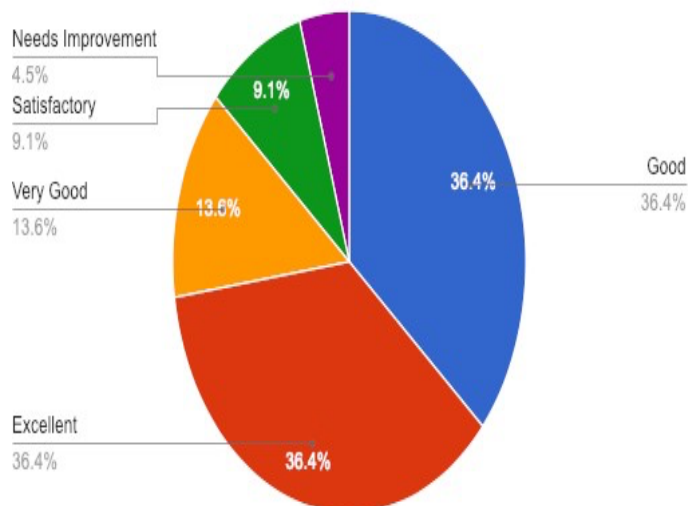
I would recommend the course to other colleagues



I would like to do the next level

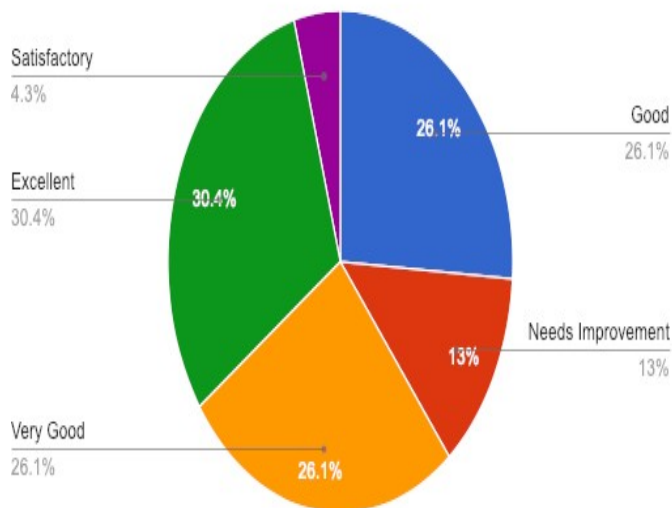


The lecture were clear and easy to understand

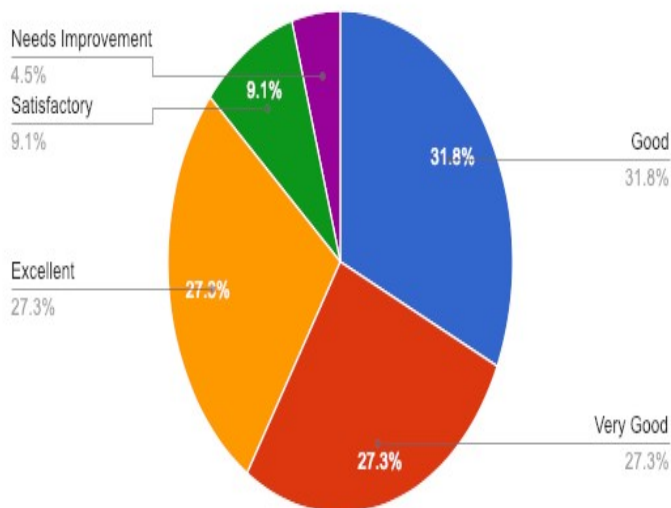


The online teaching aids were used effectively		Top results ▼
Good		8
Excellent		7
Very Good		4
Satisfactory		3
Needs Improvement		2

The Learning Management System (LMS) was easy to use

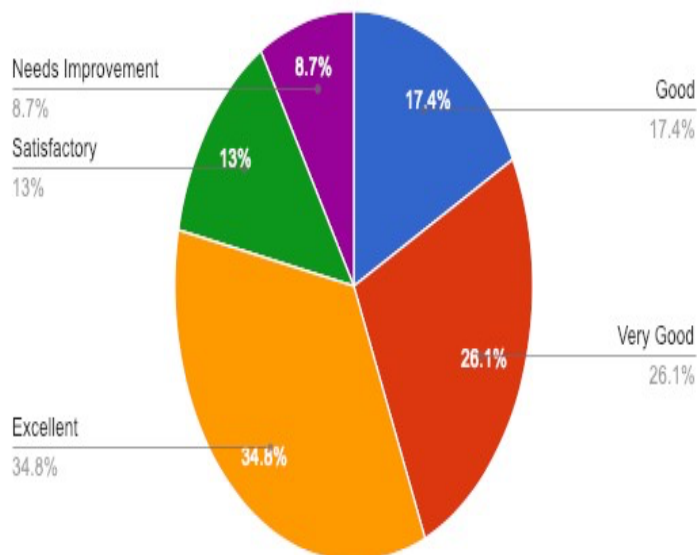


The instructor encouraged interaction and was helpful



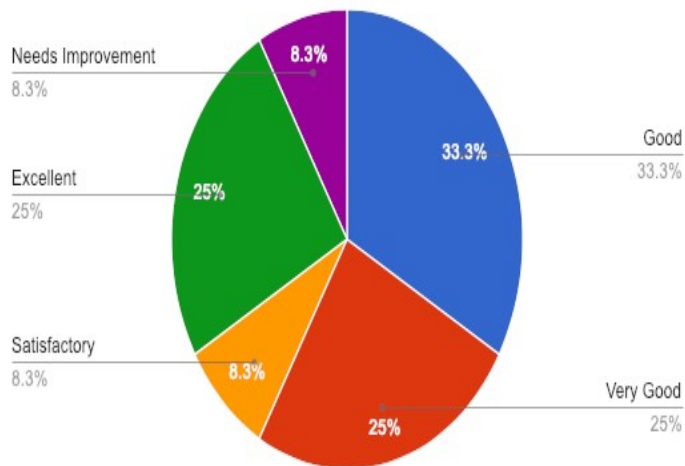
The objective of the course clear to me	Top results ▼
Good	8
Very Good	7
Excellent	5
Satisfactory	3
Needs Improvement	2

The course content met with my expectation



The lectures/videos were well planned	Top results ▼
Excellent	9
Good	6
Satisfactory	4
Very Good	3
Needs Improvement	2

The course built on my knowledge & practices





Value Added Course - DNA & its Applications

Organized by Department of Biotechnology, St. Edmund's College, Shillong

Introduction

DNA, or deoxyribonucleic acid, is the hereditary material in humans and almost all other organisms. Nearly every cell in a person's body has the same DNA. Most DNA is in the cell nucleus (where it is called nuclear DNA), but a small amount of DNA can also be found in the mitochondria (called mitochondrial DNA or mtDNA). DNA has immense application in Biotechnology & allied fields and a knowing of its hierarchy is crucial for all biologist

Objectives

The following Value-Added Course designed by the Students have 5 modules- primarily aimed to address some interesting aspects about DNA.

It is believed that such course will help the participants to gather knowledge and appreciate the role of DNA in various allied subjects.

Course Content

Content	Hours
Module I	2
Module II	2
Module III	2
Module IV	2
Module V	2

A Course Designed by the students, for the students

Target Participants

The course is open to students of the College.

Course Fees

No Course Fee

Presenter(s)

- ☐ Ms Darshana Sarma, 5th Semester, Department of Biotechnology
- ☐ Mr Arjit Das, 5th Semester, Department of Biotechnology
- ☐ Ms Deishadaphi B Toi, 5th Semester, Department of Biotechnology
- ☐ Ms Shabnam Barbhuiya, 5th Semester, Department of Biotechnology
- ☐ Ms Soumyarupa Sarma, 5th Semester, Department of Biotechnology

Mode

Online LMS using Linways
(www.stedmunds.in)

Contact info

Course Coordinator
St. Edmund's College, Shillong
Email id:
secbiotech@gmail.com

Assessments

Upon completion of each module (Contact hours of 2) participant will have to respond to the Questionnaire series which shall be conducted online. The results shall be graded accordingly with analysis of the feedback.

How to Apply

[Register Here](#)

Important Dates

Registration Opens	1 st Nov 2021
Registration Closes	5 th Nov 2021
Commencement of the Course	8 th Nov 2021
Timings	6:00 PM – 8:00 PM
Module I	8 th Nov 2021
Module II	9 th Nov 2021
Module III	10 th Nov 2021
Module IV	11 th Nov 2021
Module V	12 th Nov 2021

***Kindly note all correspondence will be through email only

*** e certificates will be provided subjected to completion of all module

CERTIFICATE FOR STUDENTS



St. Edmund's College
Shillong

Certificate of Merit
Awarded to

XYZ

St. Edmund's College, Shillong

for successfully completing the 5 days "Value Added Course – DNA & its Applications"
With
Grade: A

Organized by Department of Biotechnology in Collaboration with Internal Quality Assurance Cell, (IQAC) St. Edmund's College, Shillong from 8th – 12th November, 2021.
Certificate ID: VACBT2021001





DR SAMRAT ADHIKARI
HOD, BIOTECHNOLOGY

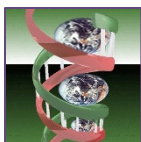
PROF SUMIT DEB
IQAC CORDINATOR

DR (BR) SIMON COELHO
SECRETARY

DR SYLVANUS LAMARE
PRINCIPAL

Grade	A ⁺	A	B ⁺	B	C ⁺	C
Marks	90-100%	80-90 %	70-80 %	60-70 %	50-60 %	50-60 %

SAMPLE ONLY



Project: **Skill Development in Biotechnology in North East India**
on
“Value Additions to Bioresources & Entrepreneurship Development”



**Jointly Organized Biotech Park, Lucknow and
Advanced Level Biotech Hub, St. Edmund's College, Shillong, Meghalaya, India**

Report of Skill Development Training Programme

1. **Course Title: “Value Additions to Bioresources & Entrepreneurship Development”**

2. **Duration:** 3 days (13th September – 16th September, 2019)

3. **Number of Trainees:** **21**

A. *Male:* **08**

B. *Female:* **13**

4. **Name of Convener/Mentor:** **Dr Samrat Adhikari**

5. **Institute Address with Contact Nos.**

*Department of Biotechnology
St. Edmund's College, Old Jowai Road
Laitumkhrah, Shillong -793004
Phone: 9862041757
Email: samratadhikari@rediffmail.com
stedmundc.btisnet@nic.in*

6. **Report of training course**

A. *Objectives of the Course*

- ✓ *Entrepreneurship development through skills programme with biotechnology techniques.*
- ✓ *To enhance & encourage innovative research ideas*
- ✓ *To develop inquisitiveness in the subject leading to thoughtful perceptions of fruitful techniques in the field pertaining to leading discoveries.*
- ✓ *To provide a platform for exchange of ideas*
- ✓ *To collaborate ideas and inculcate moral & ethical concerns into students*
- ✓ *To understand the richness of biodiversity in NE India and utilization of Biotechnology tools & techniques to popularize the potential Bioresources*

B. *Course Content*

The course content has been designed into 6 technical sessions which covers the biotechnological approaches which could be exploited for value additions for development of products pertaining to NE region. The sessions are as follows

TECHNICAL SESSION – I	Bioeconomic and sustainable development in north-east India
	Business Models
TECHNICAL SESSION – II	The Need for Entrepreneurial Mindset: Idea to Innovation
	Entrepreneurship: Evolving a business plan
TECHNICAL SESSION – III	<i>Value additions to the Rich Bioresources & Bio entrepreneurship</i>
	<i>Medicinal Plants & Traditional Knowledge – Market Potential</i>
TECHNICAL SESSION – IV	<i>Molecular Tools & Applications for Product Development</i>
TECHNICAL SESSION – V	Business Development - Plant Biotechnology Approach
	Credit Awareness on Financial support
	<i>Cyanobacteria- Excellent Agent for Bio Products Development</i>
TECHNICAL SESSION – VI	<i>Bioresources Entrepreneurship- An In-Silico Approach</i>

C. Activities Carried out

(Training schedule sheet, Lectures, hands on training, demonstrations, interactive sessions, photographs of activities carried out, handouts given to trainees, evaluation, feedback etc.)

(i) Training Schedule:

ANNEXURE A

(ii) Lectures

A team of resource personnel has been formulated to carry out the activities and focused was mostly on the clarification of the theoretical base. The following are the brief summary of the lectures by various resources personal.

SI No	Date	Name of the Resource Person	Topic
1	13 th September, 2019	Prof. Pramod Tandon, CEO, Biotech Park, Lucknow	Bioeconomic and sustainable development in north-east India
2		Mr. RK Vijay Byrsat, CEO, Colks Pvt	Business Models -

3			Ltd Prof. Rishi Shanker , Guest Faculty, Biotech Park, Lucknow	The Need for Entrepreneurial Mindset: Idea to Innovation
4			Mr. Shyam Kumar Biotech Park, Lucknow	Entrepreneurship: Evolving a business plan
5	14 th 2019	September,	Dr. Samrat Adhikari Coordinator Advanced Level Biotech Hub, St. Edmund's College, Shillong	Value additions to the Rich Bioresources & Bio entrepreneurship
6			Dr Sylvanus Lamare Principal, St. Edmund's College, Shillong	Medicinal Plants & Traditional Knowledge – Market Potential
7			Dr. Sunil Sharma, RA, Advanced Level Biotech Hub, S t. Edmund's College, Shillong	Molecular Tools & Applications for Product Development
8	16 th 2019	September,	Prof. Shekinah Challam Assistant Professor, St. Edmund's College, Shillong	Plant Biotechnology Approach
9			Ms Niang Ngaih Lun Canara Bank, Shillong	Credit Awareness
10			Mr. Yogesh Negi, SRF, Advanced Biotech Hub, St. Edmund's College, Shillong	Cyanobacteria- Excellent Agent for Bio Products Development
11			Mr. Bikash Thakuria, RA, Bioinformatics Centre, St. Edmund's College, Shillong	Bioresources Entrepreneurship- An In-Silico Approach

(iii) Hands on Training

No hands-on training were carried out during the programme as it was mostly focused on Entrepreneurship development.

(iv) Demonstration

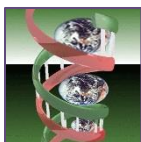
There were no demonstration sessions.

(v) Interactive Sessions

During the 3 days programme due weightage were given for interactive sessions to clear the doubts of the participants.

SI No	Date	Name of the Resource Person	Topic
1	13 th 2019	September, Mr. RK Vijay Byrsat, CEO, Colks Pvt Ltd	Interaction on challenges to be entrepreneur.
2		Prof. Rishi Shanker , Guest Faculty, Biotech Park, Lucknow	Ideas motivation

- | | | |
|---------------|---|-------------------|
| (vi) | Photographs of Training Sessions | ANNEXURE B |
| (vii) | Hands out & Manuals | Not Applicable |
| (viii) | Evaluation sheet | Not Applicable |
| (ix) | Feedback | ANNEXURE C |
| (x) | Attendance Sheet | ANNEXURE D |



Project: ***Skill Development in Biotechnology in North East India***
on

“Value Additions to Rich Bioresources in North East Region”

Sponsored by Institute of Bioresources & Sustainable Development, Imphal
(Department of Biotechnology, Government of India)



**Jointly Organized Biotech Park, Lucknow and
Department of Biotechnology, St. Edmund's College, Shillong, Meghalaya, India**

Format for Report of Skill Development Training Programme

1. **Course Title: “Value-Addition to Rich Bioresources in North East Region”**

2. **Duration:** One Month (13th March 2018 -11th April, 2018)

3. **Number of Trainees:** **21**

A. *Male:* **08**

B. *Female:* **13**

4. **Name of Convener/Mentor:** **Dr Samrat Adhikari**

5. **Institute Address with Contact Nos.**

*Department of Biotechnology
St. Edmund's College, Old Jowai Road
Laitumkhrach, Shillong -793004
Phone: 9862041757
Email: samratadhikari@rediffmail.com
stedmundc.btisnet@nic.in*

6. **Report of training course**

A. *Objectives of the Course*

- ✓ *Entrepreneurship development through skills programme with biotechnology techniques.*
- ✓ *To expertise in basic biotechnological techniques to enhance value additions to Bioresource utilization*
- ✓ *To enhance & encourage innovative research ideas*
- ✓ *To develop inquisitiveness in the subject leading to thoughtful perceptions of fruitful techniques in the field pertaining to leading discoveries.*
- ✓ *To address an answer the hurdles faced by the trainees in research activities*
- ✓ *To develop skills for handling both dry & wet lab procedures*
- ✓ *To provide a platform for exchange of ideas*
- ✓ *To collaborate ideas and inculcate moral & ethical concerns into students*
- ✓ *To understand the richness of biodiversity in NE India and utilization of Biotechnology tools & techniques to popularized the potential Bioresources*

B. Course Content

The course content has been designed into 4 modules which covers the biotechnological approaches which could be exploited for value additions for development of products pertaining to NE region. The module are as follows

MODULES	TOPICS COVERED
I	<ul style="list-style-type: none">✓ Introduction to rich Biodiversity resources in North East India, Biodiversity Hot spots.✓ Practically available databases of North East India in context to microbes, plants and animals.✓ Problems and challenges for studying diversity, IPR Issues etc.✓ Introduction of basic sampling tools for collection, identification of microbes & Plants.✓ Use of Advanced Techniques like GIS enabled sampling with the help of Remote Sensing.✓ Datamining.✓ Identification of National & International status of the samples under collection and also its value additions as an economically important scenario.✓ A General Introduction on the various Biotechnological techniques which can be utilized in the characterization of the samples under study.
II	<ul style="list-style-type: none">✓ Molecular Characterization of the bio resources using various Genomics tools.✓ Introduction to DNA/RNA Extraction, Sequencing techniques, PCR & Trouble shooting, Bioinformatics databases and network applications. Primary & Secondary databases.✓ Isolation of DNA, RNA, electrophoresis techniques etc. Introduction to NCBI, Retrieval of nucleotide sequences, BLASTn analysis, trimming, annotations, Multiple Sequence Alignment (MSA), primer designing and trouble shooting.
III	<ul style="list-style-type: none">✓ Molecular characterization of bio resources having valuable additional product value using various Proteomics techniques.✓ Introduction to proteomics, techniques & tools.✓ PAGE- SDS & NATIVE, Western blot.✓ Protein BLAST & MSA, Domain analysis, Phylogenetic analysis, use of PERL programming in Bioinformatics.
IV	<ul style="list-style-type: none">✓ Value addition products & Society.✓ Introduction to culture collection methods – plants & microbes.✓ Purification of bacterial cultures, staining methods – capsule, spores.✓ Plant tissue culture techniques, micro propagation.✓ Entrepreneurship development and various approaches for self-employment.

C. Activities Carried out

(Training schedule sheet, Lectures, hands on training, demonstrations, interactive sessions, photographs of activities carried out, handouts given to trainees, evaluation, feedback etc.)

(i) Training Schedule:

ANNEXURE A

(ii) Lectures

A team of resource personnel has been formulated to carry out the activities and focused was mostly on the clarification of the theoretical base. The following are the brief summary of the lectures by various resources personal.

Sl No	Date	Name of the Resource Person	Lecture Topic
1	13th March, 2018	Dr. Samrat Adhikari, Dept. of Biotechnology, St. Edmund's College, Shillong	Skill Development Program & Biotechnology
2		Dr. Rishi Shankar, Biotech Park, Lucknow, India	Skills to Entrepreneurship
3		Mr. Shyam Kumar, Biotech Park, Lucknow India	Tools for Interactive networks in Skill Enhancement
4	14th March, 2018	Dr Sanjiban Goswami, Department of Botany, St. Edmund's College, Shillong	Introduction to Rich Biodiversity of NE Region & IPR
5		Dr. Samrat Adhikari, Dept. of Biotechnology, St. Edmund's College, Shillong	Role of Taxonomy in Biodiversity, Application of Biotechnology in Biodiversity, Molecular Approaches towards Biodiversity
6	15th March, 2018	Dr. Samrat Adhikari, Dept. of Biotechnology, St. Edmund's College, Shillong	Introduction to Bio molecules, DNA, RNA, Protein and Techniques involved in Bio resource Utilization
7		Mr Bikash Thakuria, Bioinformatics Centre, St. Edmund's College, Shillong	Introduction to GIS Mapping & Remote Sensing etc
8	16 th March, 2018	-Dr. Samrat Adhikari, Dept. of Biotechnology, St. Edmund's College, Shillong	Genomics Tools & Techniques- Introduction
9	19 th March, 2018	-Dr Sunil Sharma, Advanced Level Biotech Hub, St. Edmund's College, Shillong	Introduction to RNA isolation
10	21 st March, 2018	- Dr. Samrat Adhikari, Dept. of Biotechnology, St. Edmund's College, Shillong	Introduction to Genomics, Genome Projects
11		Mr Bikash Thakuria, Bioinformatics Centre, St. Edmund's College, Shillong	Bioinformatics- Databases/Data-mining
12	23 rd March, 2018	-Mr Bikash Thakuria, Bioinformatics Centre, St. Edmund's College, Shillong	Introduction to Phylogenetics and Taxonomy
13	24 th March, 2018	- Dr. Samrat Adhikari, Dept. of Biotechnology, St. Edmund's College, Shillong	Introduction to Proteomics
14		Dr. Samrat Adhikari, Dept. of Biotechnology, St. Edmund's College, Shillong	Techniques Used in Proteomics
15	26 th March, 2018	Mr Leydong Lepcha, Information Officer, Sikkim State Centre for Science & Technology, Gangtok, Sikkim	Introduction to C, C ⁺ , BIO PERL Programing
16		Mr Leydong Lepcha, Information Officer, Sikkim State Centre for Science & Technology, Gangtok, Sikkim	Introduction to R
17	28 th March, 2018	Mr Yogesh Negi, Advanced Level Biotech Hub, St. Edmund's College, Shillong	Introduction to SDS & NATIVE PAGE

18	29 th March, 2018	Mr Bikash Thakuria, Bioinformatics Centre, St. Edmund's College, Shillong	Introduction to Molecular Docking
19	3 rd April, 2018	Prof B. Manners, Dept. of Biotechnology, St. Edmund's College, Shillong	Plant Tissue Culture & Techniques
20	5 th April, 2018	- Prof. Koben J. Nonkynrih, Dept. of Biotechnology, St. Edmund's College, Shillong	Introduction to Bacterial culture
21		Ms. Ninni Sutradhar, Advanced level Biotech Hub, St. Edmund's College, Shillong	Staining Techniques
22	6 th April, 2018	Dr Samrat Adhikari, Dept. of Biotechnology, St. Edmund's College, Shillong	Cloning Strategies
23	9 th April, 2018	Prof S. Challam, Dept. of Biotechnology, St. Edmund's College, Shillong	Application of Plant Biotechnology for utilization of Resources in context to NE India
24	10 th April, 2018	Dr. Samrat Adhikari, Dept. of Biotechnology, St. Edmund's College, Shillong	Value additions products & Society
25		Dr. Samrat Adhikari, Dept. of Biotechnology, St. Edmund's College, Shillong	Entrepreneurship development using rich Bioresource of NE India
		Mr Bikash Thakuria, Bioinformatics Centre, St. Edmund's College, Shillong	Bioinformatics- Databases/Data-mining

(iii) Hands on Training

SI No	Date	Topics	Brief Description
1	14 th March, 2018	Pipetting Techniques	Types of pipettes & tips used in various applications, calibration of pipettes, standard errors in pipetting techniques, posture efficiency during pipetting.
2	15 th March, 2018	Use of GIS Mapping	Identification of coordinates, contour mapping, preparation of topo sheets, software's used in GIS mapping
3	16 th March, 2018	Isolation of Genomic DNA	Extraction of DNA, trouble shooting, role & function of reagents used in extraction process Data interpretation
4	17 th March, 2018	Electrophoresis of Extracted DNA	Optimal voltage & current value for effective separation in electric field, staining techniques, safety standard to be followed for staining gels. Data interpretation
5	19 th March, 2018	Introduction to RNA isolation	Extraction of RNA, trouble shooting, role & function of reagents used in extraction process, safety use of Trizol reagent. Data interpretation
6		Electrophoresis of the Extracted RNA	Optimal voltage & current value for effective separation in electric field, staining techniques, safety standard to be followed for staining gels

7	20 th March, 2018	Hands on session on PCR	<i>Calculations of reaction mixture, concept of dilution, setting reaction parameters, gradient set up, trouble shooting with low quality band & primer-dimer formation. Data interpretation</i>
8	21 st March, 2018	Hands on BLAST and Search Algorithms etc	<i>Optimization of protein & nucleotide BLAST, analysis of hits, preparation of FASTA sequences etc.</i>
9	22 nd March, 2018	Hands on Primer Designing & Applications	<i>Primer designing using effective GC content, troubleshooting, preparation of hybridization primers</i>
10		Multiple Sequence Alignment, Data Analysis	<i>Sequence trimming, editing sequences, preparation of multiple sequences, data analysis using various algorithms, concept of local and global alignment</i>
11	23 rd March, 2018	Hands on Phylogenetic Tree Construction	<i>Preparation of trees, matrix analysis, confidence levels, bootstrapping, types of cladogram, calculation of elucidation distance.</i>
12	27 th March, 2018	BIO PERL	<i>Concept of C program, Bio PERL program worksheet using simple examples.</i>
13		R Package	<i>Heat map, statistics analysis, sequence analysis using few R package.</i>
14	28 th March, 2018	SDS & NATIVE PAGE	<i>Types of gels and buffer systems employed in electrophoresis, role of chemicals used in running buffer, concept of resolving and stacking gel, composition of gel loading dye, staining and procedure of protein gels, data interpretation and trouble-shooting. Safety practices.</i>
15	29 th March, 2018	Molecular Docking	
16	31 st March, 2018	Plasmid Isolation	<i>Isolation of plasmid DNA, enrichment of plasmid DNA from genomic DNA, trouble shooting, role & function of reagents used in extraction process Data interpretation</i>
17	3 rd April, 2018	Preparation of Media	<i>Different media MS, Gamborg used in PTC for induction of plant cells, sterilization techniques, role of growth hormones in auxiliary productions of roots & shoots.</i>
18	4 th April, 2018	Callus induction & Organogenesis	<i>Role of phyto hormones in callus induction</i>
19		Explant Sterilization Techniques	<i>Selection of various explant of a plant species, surface sterilization, trouble shooting etc.</i>
20		Inoculation of the Explant	<i>Skills required inoculating explant from various plant specimens etc, clinical significance of 70% alcohol.</i>
21	5 th April, 2018	Preparation of Media & Streaking Techniques	<i>Preparation of microbiological media for bacteria, streaking techniques like Z streaking, T streaking, quadrant streaking & continuous streaking</i>
22		Staining Techniques	<i>Staining bacterial cells to differentiate between</i>

23	6 th April, 2018	Cloning Strategies	Gram's positive and Gram's negative bacteria, role of primary and counter stains Cloning and expression vectors, concept and hands on for PCR amplification of insert DNA, ligation of DNA insert and vector..
24		Restriction Digestion	Restriction digestion of the vector pGEM-T Easy Vector System-I and Ligated Insert DNA.
25	7 th April, 2018	Electrophoresis of the Digested DNA	Data interpretation and trouble-shooting.
26		Insertion of Cloned DNA	Transformation of Ligated product into <i>E.coli</i> JM109 cells followed by plating cells on plates containing X-gal, IPTG and antibiotic ampicillin.
27	9 th April, 2018	Blue White Screening	Screening of colonies for selection of transformed recombinant host cells from transformed non-recombinant cells.
28	10 th April, 2018	Entrepreneurship Projects	Role of entrepreneur, case studies, project formulation, funding agencies, financial implications

(iv) Demonstration

There were no demonstration sessions. All sessions were hands on

(v) Interactive Sessions

During the one month programme due weightage were given for interactive sessions to clear the doubts of the participants.

SI No	Date	Topics covered	Question & Answer sessions
1	14 th March, 2018	Pipetting techniques	Concept of air-displacement in manual pipettes, volume ranges, the utility of first and second presses in taking up and dispensation of liquids, adjusting the volumes of pipettes to desired volume, correct pipette handling postures.
2	16 th March, 2018	Genomics DNA isolation & electrophoresis	Mechanism of action of lysozyme, RNase, protein precipitating solution and difference between TE and TAE buffer systems. Composition of DNA loading dye. Fluorescence of DNA when stained with ethidium bromide.
3	20 th March, 2018	PCR techniques & trouble shooting	Primer dilutions, Theoretical calculation of the T _m of the primer, determining the size of amplicons, importance of Mg ²⁺ ions and PCR enhancers.
4	22 nd March, 2018	Phylogenetic tree construction	Difference between types of phylogenetic trees, what is bootstrapping.
5	28 th March, 2018	Protein electrophoresis	Difference between SDS and Native PAGE, need of Western Blot, electrophoretic mobility of proteins.

6	6th April, 2018	Cloning strategies	Selection of appropriate vector as per DNA inserts. Importance of the sterilized filter tips in cloning experiments, star activity and Isochizomers.
7	10 th April, 2018	Entrepreneurship development	Students have come out with group projects of 7-8 which would be communicated to Biotech park, Lucknow

(vi) **Photographs of Training Sessions**
ANNEXURE B

(vii) **Hands out & Manuals**
A training manual has been developed and is attached with this report

(viii) **Evaluation sheet**
After completion of each module an evaluation sheet was provided to the participants
Details in **ANNEXURE C**

(ix) **Feedback**
ANNEXURE D

(x) **Attendance Sheet**
ANNEXURE E

7. **Expenditure Incurred**
(Statement of Expenditure- format enclosed, original receipts- scan & by post and detailed expenses in excel sheet)

ANNEXURE F

[Signature of the Convener/Mentor with Seal]
Head
Department of Biotechnology
St. Edmund's College
Shillong

Skill Development in Biotechnology in North East India
on
“Value-Additions to Rich Bioresources in North East Region”
13th March – 11th April, 2018
Department of Biotechnology, St. Edmund’s College, Shillong, Meghalaya, India

Statement of Expenditure

Sr. No.	Item	Expenditure Incurred
1.	Human Resource	₹ 50000/-
2.	Consumables	NIL
3.	Contingency	₹ 11553.68/-
4.	Others (if applicable)	₹ 7000/-
Total		₹ 68553.68/-

(Guest Faculty/ Convener)
(Signed and stamped)

[Signature of the Convener/Mentor with Seal]
Head
Department of Biotechnology
St. Edmund's College
Shillong

Department of Biotechnology

St. Edmund's College

Shillong

REPORT ON

CERTIFICATE COURSE IN BIOINFORMATICS (Level O)



Organized by

Bioinformatics Centre
Department of Biotechnology
St. Edmund's College, Shillong

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Department of Biotechnology St. Edmund's College

(Affiliated to North Eastern Hill University, Shillong)
Recognized by the University Grant Commission under 2 (f) and 12 (B) of UGC act 1956
Laitumkhrah, Shillong – 793003, Meghalaya, India

E-mail: secbiotech@gmail.com

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Acknowledgements

It gives me a deep sense of gratitude to appreciate the people who have helped the department to conduct such a wonderful certificate course. My heartfelt appreciation and the source of inspiration to

- ⇒ Bro A F Pinto, Secretary (GB), St. Edmund's College, Shillong
- ⇒ Dr Sylvanus Lamare, Principal, St. Edmund's College, Shillong
- ⇒ Prof Monotosh Chakravarty, Vice Principal, St. Edmund's College, Shillong
- ⇒ Br (Dr) Simon Coelho, IQAC Coordinator, St. Edmund's College, Shillong
- ⇒ Bro S Julius, Bursar, St. Edmund's College, Shillong
- ⇒ Prof Sumit Deb, Head, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Dr Sunil Sharma, Department of Biotechnology, St. Edmund's College, Shillong
- ⇒ Mr Yogesh Negi, Department of Biotechnology, St. Edmund's College, Shillong
- ⇒ Ms Shekinah Challam, Department of Biotechnology, St. Edmund's College, Shillong
- ⇒ Mr Koben John Nongkynrih, Department of Biotechnology, St. Edmund's College, Shillong
- ⇒ Ms Sarmistha Deb, Department of Computer Applications, St. Edmund's College, Shillong
- ⇒ Ms S Sunila Chanu, Department of Computer Applications, St. Edmund's College, Shillong
- ⇒ Dr Debulman Syiemiong, Department of Botany, St. Edmund's College, Shillong
- ⇒ Mr Dipankar Debnath, Department of Computer Applications, St. Mary's College, Shillong
- ⇒ Ms Priya Paul, Technical Assistant, St. Edmund's College, Shillong
- ⇒ Mr Erwein Khshiar, Lab Attendant, Dept of Biotechnology, St. Edmund's College, Shillong
- ⇒ All the students of Biotechnology 5th semester students.

1. Title of the Course:

Certificate Course in Bioinformatics (Level O)

2. Course Code No:

SEC/BT-BC/CC/2020-21/001

3. Total Contact Hours:

36 hrs

4. Total Credits:

1.7

5. Date of Approval

5th February 2021

5. Opening of registration process:

10th February 2021

6. Closing of Registration Process:

24th February 2021

7. Mode of Registration:

Online

8. Weblink for Registration:

<https://docs.google.com/forms/d/1izCFBeNJH1mBEaTxF1MvhXU8DYMDtpNbFewd9utWrjl/edit?usp=sharing>

9. Date for Commencement of the Course:

2nd March 2021

10. Closing of the course:

22nd March 2021

11. Duration:

21 Days

12. Total No of Students Enrolled:

25 UG Students

13. Registration Fees:

₹ 500/- (Five Hundred only)

14. Total Registration Fees Collected:

₹ 12500/- (Twelve thousand & Five hundred only)

15. Course Coordinator:

Dr Samrat Adhikari, Head, Department of Biotechnology
St. Edmund's College, Shillong

Prof Sumit Deb, Head, Department of Chemistry
St. Edmund's College, Shillong

16. Teachers Involved:

Dr Samrat Adhikari, Head, Department of Biotechnology
St. Edmund's College

Dr Sunil Sharma, Department of Biotechnology
St. Edmund's College, Shillong

Mr Yogesh Negi, Department of Biotechnology
St. Edmund's College, Shillong

Ms Shekinah Challam, Department of Biotechnology
St. Edmund's College, Shillong

Mr Koben John Nongkynrih, Department of Biotechnology
St. Edmund's College, Shillong

Ms Sarmistha Deb, Head, Department of Computer Applications
St. Edmund's College, Shillong

Ms Sunila S Chanu, Department of Computer Applications
St. Edmund's College, Shillong

Dr Debulman Syiemiong, Department of Botany
St. Edmund's College, Shillong

Mr Dipankar DebNath, Department of Computer Science
St. Mary's College, Shillong

Course description

Recent advancements in the mundane field of Biotechnology have generated various products for the benefit of mankind with the exploitation of natural resources. These products have been successfully implemented with the entrance of information technology in Biotechnology known as Bioinformatics. Bioinformatics combines all the processes of Biotechnology consequently it has a larger impact in development of such products in the market.

With the importance of wider application in the field of Bioinformatics there is a need to improve the Human Resource. In this context the present certificate course is proposed to generate ample job opportunities and also at the same time it will enhance student knowledge in pursuing higher studies.

Course structure

The certificate course syllabus proposed is of 36 contact hours with three units (Module 1, Module 2 & Module 3) comprising of 12 contact hours each. Each of these contact hours has course on fundamentals of computers, databases available for exploring and also basic bioinformatics tools. Furthermore, each of the units will have assessment period of 2 hour and finally at the end appropriate feedback will also be implemented.

Module	Code	Name of the Paper	Contact Hours			TOTAL
			Theory	Practical	Assessments	
I	BICC01	Computer Informatics	7 hrs	3 hrs	2 hrs	12
II	BICC02	Introduction to Databases	4 hrs	6 hrs	2 hrs	12
III	BICC03	Introduction to Bioinformatics	4 hrs	5 hrs	2 hrs	12
					TOTAL	36

Mode of Conduct of the Course

The course will be conducted completely online using the College Linways Learning Management System (LMS). Each teacher will be assigning the roles in their respective accounts and the external faculty will be using the account of the course coordinator. The mode of presentation has been live sessions, Power point presentations, video recording which has been uploaded in the LMS system for the students to view at any time. The assessment of the students was completed using online exam tools and

the students who intend to improve the marks were given a chance to go for a retest. Each day student feedback was verbally recorded, and accordingly effective tools were implemented for making the teaching learning process in effective manner.

Each student was given a chance for their feedback after the completion of the course and the same were analyzed using appropriate tools.

Grading Policy

Students will be assigned the following grades, based on the complete course assessments.

Marks	Final Grade
90-100	A+
80-90	A
70-80	B+
60-70	B
50-60	C+
50-60	C
Below 50	Needs Improvement

Outcome Based analysis

The certificate has been designed in a manner that the students grading policy can be reflected in terms of Programme Outcome (PO) and also at the same time the Course Outcome (CO) be measured. After the completion of each Module the marks will be analyzed for the CO mapping and the consolidated report will be used for the final PO-CO mapping. The details of the PO-CO mapping will be enclosed in the next section.

List of Students Registered for the Certificate Course

SI No	Student ID	Name	Semester	Subject
1	18/BIOT/402	Ha U Mi Dewan Mukhim	V	Biotechnology
2	18/BIOT/403	Saurav Thapa	V	Biotechnology
3	18/BIOT/404	Srishti Chettri	V	Biotechnology
4	18/BIOT/406	Ilawandashisha Laso	V	Biotechnology
5	18/BIOT/408	Madhumita Paul	V	Biotechnology
6	18/BIOT/409	Daarisa Kmen Lyngskor	V	Biotechnology
7	18/BIOT/411	SWEETY CHANDA	V	Biotechnology
8	18/BIOT/412	Happy Khanam	V	Biotechnology
9	18/BIOT/414	Eunica Pyntngen Tohtih	V	Biotechnology
10	18/BIOT/419	Riki Oo Lyngdoh	V	Biotechnology
11	18/BIOT/423	Payelinaa Sanyal	V	Biotechnology
12	18/BIOT/424	Malsawmkimi	V	Biotechnology
13	18/BIOT/434	Mariam Rahman	V	Biotechnology
14	18/BIOT/441	Rikiroplang Pyngrope	V	Biotechnology
15	18/BIOT/442	Manisha Limboo	V	Biotechnology
16	19/BIOT/431	Darshana Sarma	III	Biotechnology
17	19/BIOT/401	Akash Deep Paul	III	Biotechnology
18	19/BIOT/414	Proshila Rai	III	Biotechnology
19	19/BIOT/416	Shabnam Barbhuiya	III	Biotechnology
20	19/BIOT/425	Sinhenba Chirom	III	Biotechnology
21	19/BIOT/428	Arjit Kumar Das	III	Biotechnology
22	19/BIOT/427	Riyas Reang	III	Biotechnology
23	19/BIOT/418	Soumyarupa Sarma	III	Biotechnology
24	19/BIOT/432	Abhishek Borkakati	III	Biotechnology
25	19/BIOT/405	Geeta Chader	III	Biotechnology

Attendance

SI No	Student ID	Name	Semester	Total Hours	Attended	Attendance
1	18/BIOT/402	Ha U Mi Dewan Mukhim	V	36	36	100 %
2	18/BIOT/403	Saurav Thapa	V	36	36	100 %
3	18/BIOT/404	Srishti Chettri	V	36	36	100 %
4	18/BIOT/406	Ilawandashisha Laso	V	36	36	100 %
5	18/BIOT/408	Madhumita Paul	V	36	36	100 %
6	18/BIOT/409	Daiairisa Kmen Lyngskor	V	36	36	100 %
7	18/BIOT/411	SWEETY CHANDA	V	36	36	100 %
8	18/BIOT/412	Happy Khanam	V	36	36	100 %
9	18/BIOT/414	Eunica Pyntngen Tohtih	V	36	36	100 %
10	18/BIOT/419	Riki Oo Lyngdoh	V	36	36	100 %
11	18/BIOT/423	Payelinaa Sanyal	V	36	36	100 %
12	18/BIOT/424	Malsawmkimi	V	36	36	100 %
13	18/BIOT/434	Mariam Rahman	V	36	36	100 %
14	18/BIOT/441	Rikiroplang Pyngrope	V	36	36	100 %
15	18/BIOT/442	Manisha Limboo	V	36	36	100 %
16	19/BIOT/431	Darshana Sarma	III	36	36	100 %
17	19/BIOT/401	Akash Deep Paul	III	36	36	100 %
18	19/BIOT/414	Proshila Rai	III	36	36	100 %
19	19/BIOT/416	Shabnam Barbhuiya	III	36	36	100 %
20	19/BIOT/425	Sinhenba Chirom	III	36	36	100 %
21	19/BIOT/428	Arjit Kumar Das	III	36	36	100 %
22	19/BIOT/427	Riyas Reang	III	36	36	100 %
23	19/BIOT/418	Soumyarupa Sarma	III	36	36	100 %
24	19/BIOT/432	Abhishek Borkakati	III	36	36	100 %
25	19/BIOT/405	Geeta Chader	III	36	36	100 %

Syllabus Coverage					
Sl.no	Date	Contact Hours	Module	Topic Name	Topic Description
1	07-03-2021	2.0	BCC01	Examination - MCQ Based	covered by Dr. Samrat Adhikari
2	06-03-2021	0.5	BCC01	Free and open-source software (FOSS)	covered by Dr. Samrat Adhikari
3	06-03-2021	0.5	BCC01	LAN connections, setting up the IP address, network security	covered by Dr. Samrat Adhikari
4	06-03-2021	0.5	BCC01	Internet surfing and searching information, downloading and installing software	covered by Dr. Samrat Adhikari
5	05-03-2021	0.6	BCC01	Basic architecture of Operating System	covered by Prof. S. Sunila Chanu
6	05-03-2021	0.4	BCC01	Intellectual property rights (IPR)	covered by Prof. Shekinah Challam
7	05-03-2021	1.0	BCC01	Plagiarism, licensing and copyright	covered by Prof. Shekinah Challam
8	04-03-2021	1.0	BCC01	Introduction to Internet, URL, WWW, and its applications- Web, email, Chat, VoIP	covered by Prof. D. Debnath
9	04-03-2021	1.0	BCC01	Web Browsers: Introduction, commonly used browsers, browser settings, add-ons and plug-ins, cookies	covered by Prof. D. Debnath
10	03-03-2021	1.0	BCC01	Introduction to network: LAN, MAN, WAN	covered by Prof. D. Debnath
11	03-03-2021	1.0	BCC01	Network Devices: modem, hub, switch, repeater, router, gateway\\n\\nNetwork Topologies: Star, Bus, Tree, Mesh	covered by Prof. D. Debnath
12	02-03-2021	0.5	BCC01	Introduction to BIO LINUX and its features	covered by Dr. Samrat Adhikari
13	02-03-2021	0.5	BCC01	Mainframe & Mini Frame- computers, CPU & GPU based system	covered by Dr. Samrat Adhikari
14	02-03-2021	0.5	BCC01	Computer basic knowledge; hardware, connection cables	covered by Dr. Samrat Adhikari
15	02-03-2021	0.5	BCC01	Bio Linux Demonstration, Internet browsers, search engines	covered by Dr. Samrat Adhikar
1	14-03-2021	2.0	BCC02	Examination	covered by Dr. Samrat Adhikari
2	13-03-2021	1.5	BCC02	Getting the gene sequences by exploring and querying the nucleic acid databases	covered by Shri. Yogesh Negi
3	12-03-2021	1.5	BCC02	Genome information and special features	covered by Prof. Koben J Nongkynrih
4	12-03-2021	0.5	BCC02	Analysis of curated databases with example - Primary, Secondary and Composite databases	covered by Shri. Yogesh Negi
5	11-03-2021	1.0	BCC02	Various types of databases	covered by Prof. S Sunila Chanu
6	11-03-2021	1.0	BCC02	Different types of databases and their applications	covered by Shri. Yogesh Negi

Syllabus Coverage					
Sl.no	Date	Contact Hours	Module	Topic Name	Topic Description
7	10-03-2021	1.0	BCC02	Introduction to My SQL for creation of database	covered by Prof. Sarmistha Deb
8	09-03-2021	1.0	BCC02	Concept of data, data models, data representation	covered by Prof. S Sunila Chanu
9	09-03-2021	0.5	BCC02	Database Management System (DBMS)	covered by Prof. Sarmistha Deb
10	08-03-2021	0.5	BCC02	Biological Databases	covered by Shri. Yogesh Negi
11	08-03-2021	0.5	BCC02	Biological Data mining	covered by Shri. Yogesh Negi
12	08-03-2021	1.0	BCC02	Related programs; Oracle, SQL, VB	covered by Dr. Samrat Adhikari
1	21-03-2021	2.0	BCC02	Examination	covered by Dr. Samrat Adhikari
2	20-03-2021	0.5	BCC02	Data retrieval from Bioinformatics resources	covered by Dr. Sunil Sharma
3	20-03-2021	0.5	BCC02	Sequence alignment	covered by Dr. Sunil Sharma
4	20-03-2021	1.0	BCC02	Sequence similarity search using BLAST algorithm	covered by Dr. Sunil Sharma
5	19-03-2021	1.0	BCC02	Introduction to different file formats used in Bioinformatics - Fasta, FastQ, Nexus, Aln	covered by Dr. Sunil Sharma
6	19-03-2021	1.0	BCC02	Exploring and understanding various features available in NCBI	covered by Prof. Debulman Syiemiong
7	18-03-2021	1.0	BCC02	BLAST and psiBLAST, application of BLAST algorithm as a tool	covered by Dr. Sunil Sharma
8	18-03-2021	1.0	BCC02	Sequence alignment, sequence identity, similarity and homology	covered by Dr. Sunil Sharma
9	17-03-2021	0.5	BCC02	Introduction to NCBI website- history and applications	covered by Prof. Debulman Syiemiong
10	16-03-2021	1.0	BCC02	Multiple sequence alignment	covered by Dr. Sunil Sharma
11	16-03-2021	1.0	BCC02	Introduction to various alignment tools	covered by Dr. Sunil Sharma
12	15-03-2021	0.5	BCC02	Definition and Scope of Bioinformatics	covered by Prof. Debulman Syiemiong
13	15-03-2021	0.5	BCC02	Major resources for Bioinformatics (NCBI, EBI, DDBJ, ENA)	covered by Prof. Debulman Syiemiong
Total Hrs		36.0			
Complete Compilation done by Dr Samrat Adhikari, Course Coordinator					

RESULTS

The examination (online mode) was conducted for the modules BCC01, BCC02 & BCC03 with a total of 100 marks with a time limit of 120 minutes. Each student has performed very well. The MCQ question was based on the reasoning ability to solve concept-based questions.

SI	Enrollment No	Name	BCC01	BCC02	BCC03	Total	% of Marks	Grades	Attainment Level
			100	100	100	300			
1	18/BIOT/402	Ha U Mi Dewan Mukhim	76	72	88	236	79	B+	2
2	18/BIOT/403	Saurav Thapa	90	84	84	258	86	A	3
3	18/BIOT/404	Srishti Chettri	74	76	79	229	76	B+	2
4	18/BIOT/406	Ilawandashisha Laso	86	88	98	272	91	A+	3
5	18/BIOT/408	Madhumita Paul	90	86	96	272	91	A+	3
6	18/BIOT/409	Daiarisa Kmen Lyngskor	86	88	98	272	91	A+	3
7	18/BIOT/411	Sweety Chanda	90	84	96	270	90	A+	3
8	18/BIOT/412	Happy Khanam	90	84	96	270	90	A+	3
9	18/BIOT/414	Eunica Pyntngen Tohtih	78	88	98	264	88	A	3
10	18/BIOT/419	Riki Oo Lyngdoh	78	72	88	238	79	B+	3
11	18/BIOT/423	Payelinaa Sanyal	82	88	87	257	86	A	3
12	18/BIOT/424	Malsawmkimi	86	88	98	272	91	A+	3
13	18/BIOT/434	Mariam Rahman	72	84	92	248	83	A	3
14	18/BIOT/441	Rikiroplang Pyngrope	72	88	94	254	85	A	3
15	18/BIOT/442	Manisha Limboo	86	88	96	270	90	A+	3
16	19/BIOT/401	Akash Deep Paul	82	80	94	256	85	A	3
17	19/BIOT/405	Geeta Chader	82	82	90	254	85	A	3
18	19/BIOT/414	Proshila Rai	82	78	90	250	83	A	3
19	19/BIOT/416	Shabnam Barbhuiya	80	86	86	252	84	A	3
20	19/BIOT/418	Soumyarupa Sarma	82	80	90	252	84	A	3
21	19/BIOT/425	Sinhenba Chirom	84	74	82	240	80	A	3
22	19/BIOT/427	Riyas Reang	82	86	88	256	85	A	3
23	19/BIOT/428	Arjit Kumar Das	82	74	92	248	83	A	3
24	19/BIOT/431	Darshana Sarma	78	64	94	236	79	B+	2
25	19/BIOT/432	Abhishek Borkakati	80	84	72	236	79	B+	2

(Course Coordinator)

PROGRAM EDUCATIONAL OUTCOMES (PEOs), PROGRAM OUTCOMES (POs) & PROGRAM SPECIFIC OUTCOMES (PSO)

CERTIFICATE COURSE IN BIOINFORMATICS (Level O)

Vision:

St. Edmund's College, Shillong has a vision that is enshrined in the motto of the College: "*Facta Non Verba*" which translates "*Deeds Not Words*". It aims at imparting equitable quality education grounded on the core values of excellence, competition and ideals. The College also stands on the principles advocated by Edmund Ignatius Rice, the Founder of the Institution.

Mission:

The College endeavors to create a stimulating environment in the Campus through various academic programmes and co-curricular activities in order to develop character, shape personality and build a sense of social responsibility among our young men and women. As the college prioritizes learning, teaching and sharing of knowledge, education is therefore perceived as a potent vehicle that works towards transforming attitudes and mind-sets for the good of one and all in the society in particular and the world at large.

Program Educational Outcomes (PEOs)

The participants will:

- PEO1 Have the confidence and tenacity it takes to be life-long learners, keeping abreast with Knowledge and Skills.
- PEO2 Be looked up to, as young women and men, who can be counted on to be agents for transformation.
- PEO3 In keeping with the principles of Blessed Edmund Rice, be humble and at home with 'kings' and 'paupers'.
- PEO4 Be generous in being able to give back to Society what they have received, by participating in various Health Missions.

Program Outcomes (POs)

At the end of the Certificate Course Programme, the graduates will be able to:

- PO1 Problem solving:** Capacity to extrapolate from what one has learned and apply their competencies to solve different kinds of non-familiar problems, and apply one's learning to real life situations
- PO2 Analytical reasoning:** Ability to evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support them with
- PO3 Scientific reasoning:** Ability to analyze, interpret and draw conclusions from quantitative/qualitative

data; and critically evaluate ideas, evidence and experiences from an open-minded and reasoned perspective

PO3 Research-related skills: A sense of inquiry and capability for asking relevant/appropriate questions, problematising, synthesising and articulating; Ability to recognise cause-and-effect relationships, define problems, formulate hypotheses, test hypotheses, analyse, interpret and draw conclusions from data, establish hypotheses, predict cause-and-effect relationships; ability to plan, execute and report the results of an experiment or investigation.

PO4 Information/digital literacy: Capability to use ICT in a variety of learning situations, demonstrate ability to access, evaluate, and use a variety of relevant information sources; and use appropriate software for analysis of data. .

PO5 Ethics & Social Responsibility: Ability to embrace moral/ethical values in conducting one's life, formulate a position/argument about an ethical issue from multiple perspectives, and use ethical practices in all work. Capable of demonstrating the ability to identify ethical issues related to one's work, avoid unethical behaviour such as fabrication, falsification or misrepresentation of data or committing plagiarism, not adhering to intellectual property rights; appreciating environmental and sustainability issues; and adopting objective, unbiased and truthful actions in all aspects of work.

Course Outcome Certificate Course (Level O)- Module 1

At the end of the BCC01 module of certificate course the students will be able to	
CC01	Cognitive Knowledge: To provide education that leads to comprehensive understanding of computer applications in Biotechnology & bioinformatics related allied subjects
CC02	Information and Computer Literacy: To educate and make them up to date with the current scientific literature, basic based web information
CC03	Compare & Contrast: Difference between various attributes of technical skills and their effective implementation
CC04	Critical Thinking & Analyze: To ensure students are able to effectively communication of network related information, analyze different operating system etc.
CC05	Professional Attitude: To produce responsible biotechnologists that can work within the interdisciplinary framework of bioinformatics and related fields

Course Outcome Certificate Course (Level O)- Module 2

At the end of the BCC03 module of certificate course the students will be able to	
CC01	Cognitive Knowledge: To provide education that leads to comprehensive understanding of the databases management system used in Bioinformatics research
CC02	Information and Computer Literacy: To educate and make them acquainted with the current scientific literature, computer programs like MY SQL, Oracle etc.
CC03	Critical Thinking: To empower students with the ability to think and solve problems by the use of computer base programs
CC04	Scientific Communication: To understand the various databases of biological origin and their applications in research in the field of biotechnology & bioinformatics.
CC05	Professional Attitude: To produce responsible biotechnologists that can work within the interdisciplinary framework of bioinformatics and related fields

Course Outcome Certificate Course (Level O)- Module 3

At the end of the BCC03 module of certificate course the students will be able to	
CC01	Cognitive Knowledge: To provide the knowledge of biological web networks & freeware's computer algorithms to solve biological problems.
CC02	Information and Computer Literacy: To educate and make them up to date with the current scientific literature, computer programs and web information related to bioinformatics
CC03	Analyze & implement: To make students acquainted with various databases features and their special application for particular problem to solve data involving bioresources
CC04	Scientific Communication: To ensure students are able to effectively communicate with professionals and articulate themselves for effective scientific temperament
CC05	Professional Attitude: To produce responsible biotechnologists that can work within the interdisciplinary framework of bioinformatics and related fields

Attainment level for Certificate Course (Level O)

Particulars	Levels of Attainment
Students scoring above 80 % marks in assessments for Certificate course (level O)	3
Students scoring above 70 % marks in assessments for Certificate course (level O)	2
Students scoring above 60 % marks in assessments for Certificate course (level O)	1
Student securing below 59% will be allowed for a retest for improving the performances.	

CO-PO Mapping for Certificate Course (Level O)- Module 1

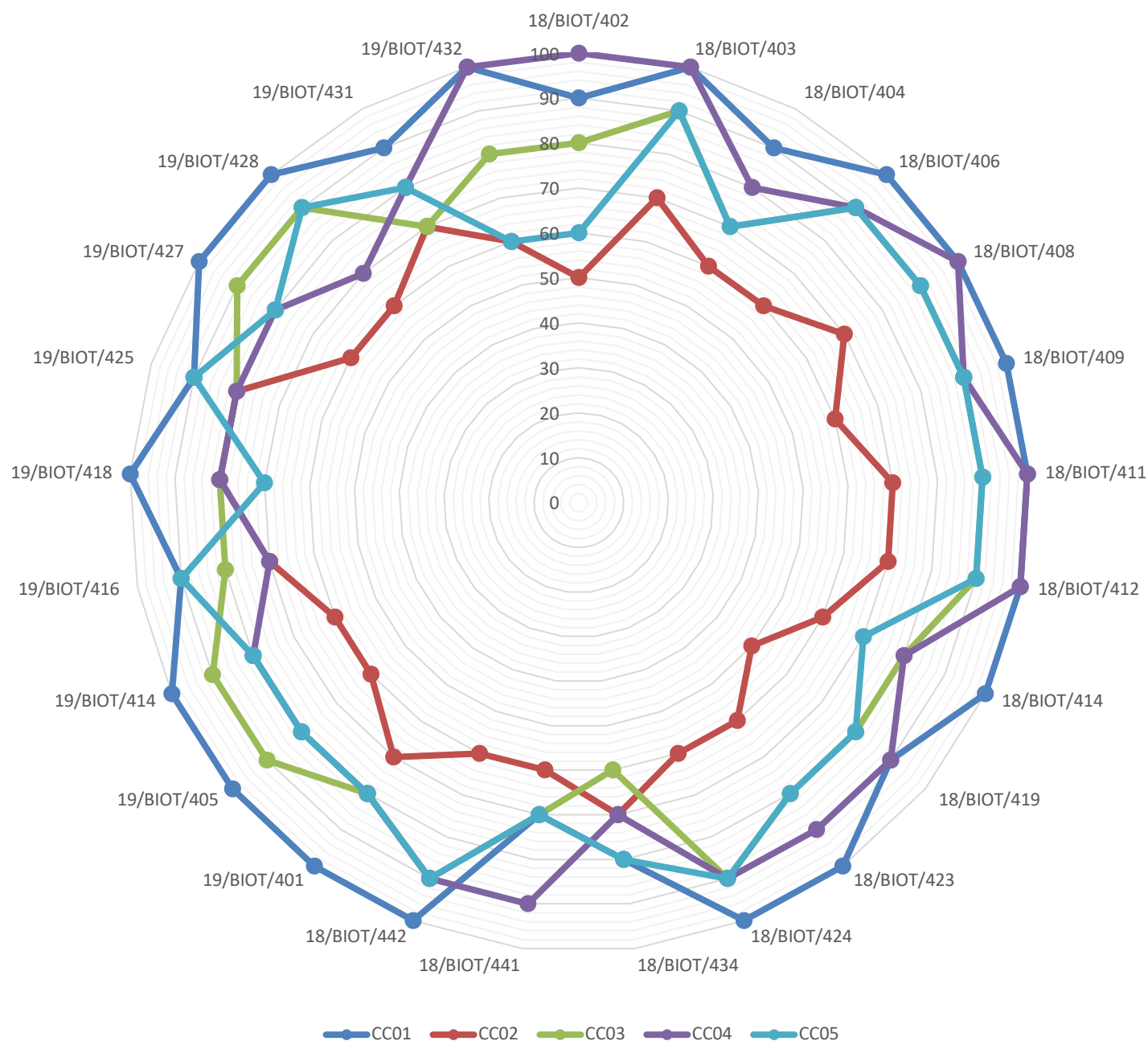
BCC01	PO1	PO2	PO3	PO4	PO5
CC01	2	3	2	1	2
CC02	3	2	1	2	1
CC03	2	1	2	3	2
CC04	1	2	2	2	3
CC05	3	3	1	3	2

CO-PO Mapping for Certificate Course (Level O)- Module 2

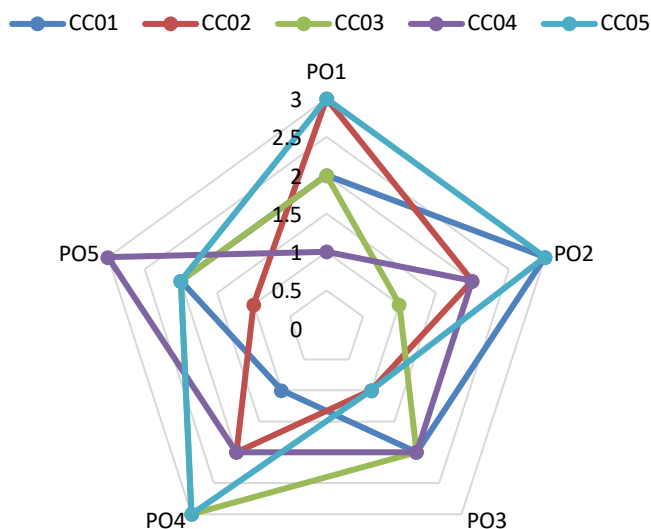
BCC02	PO1	PO2	PO3	PO4	PO5
CC01	3	2	1	1	1
CC02	2	2	1	3	2
CC03	1	3	3	2	1
CC04	2	3	3	1	1
CC05	1	2	1	2	3

CO-PO Mapping for Certificate Course (Level O)- Module 3

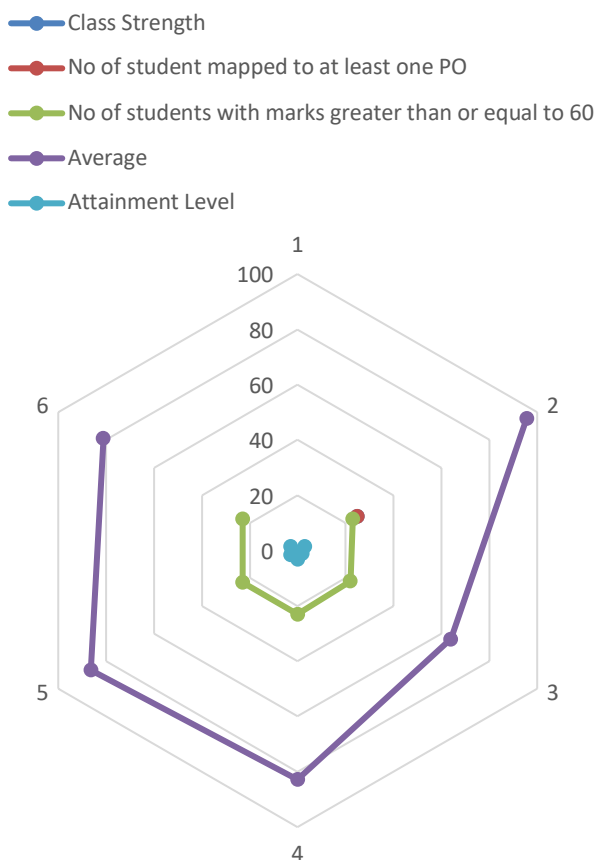
BCC03	PO1	PO2	PO3	PO4	PO5
CC01	3	2	3	2	3
CC02	2	1	3	3	2
CC03	3	2	3	3	1
CC04	3	3	1	3	2
CC05	2	1	2	3	3

Learning Outcome for BCC01 (Module-1)

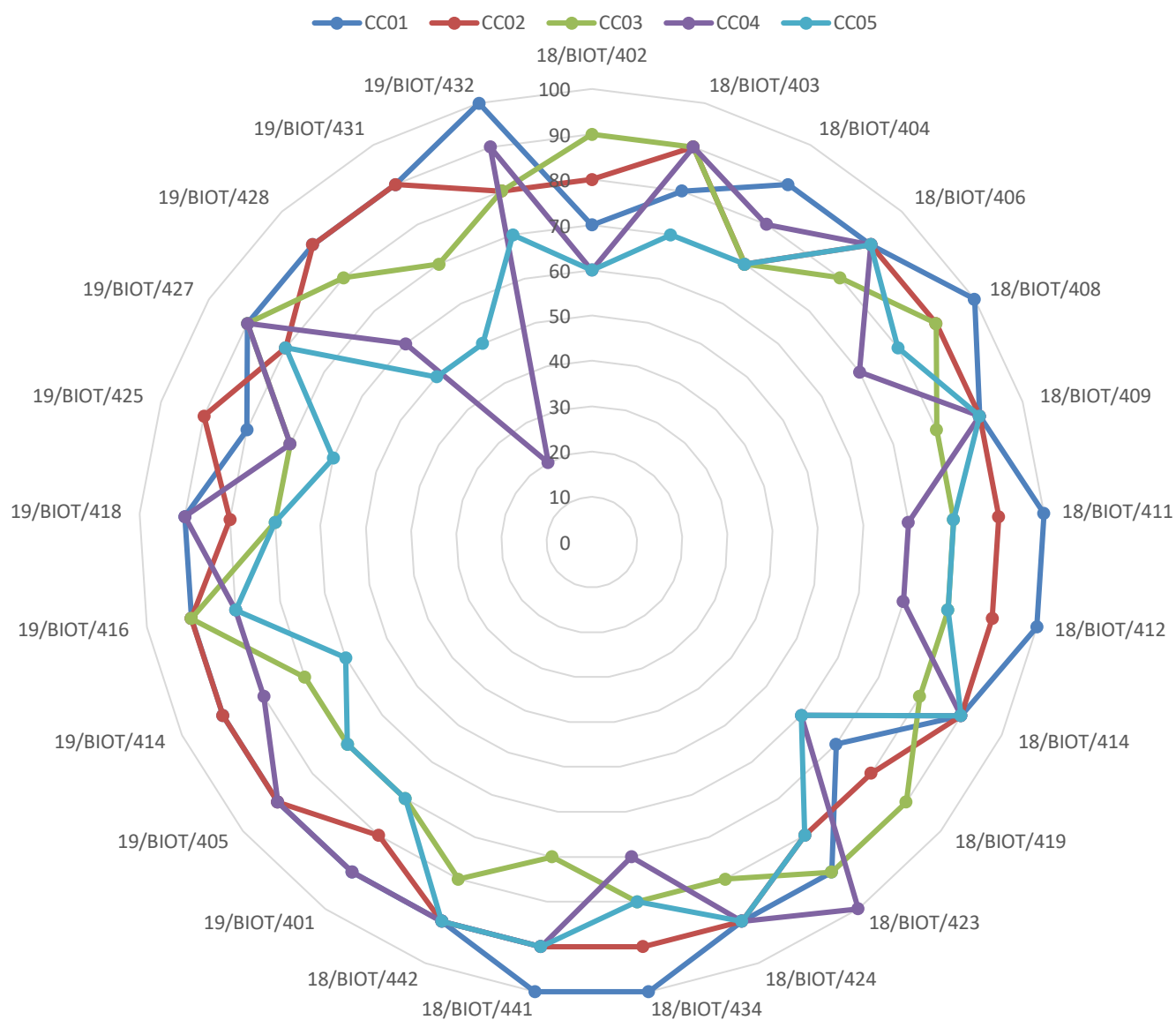
LEGEND 1: The Graph depicts the course outcome (CC01, CC02, CC03, CC04 & CC05) with the Percentage of Marks secured in the Examination of BCC01 (Module 1). The data are represented in percentage and plotted using Excel software.



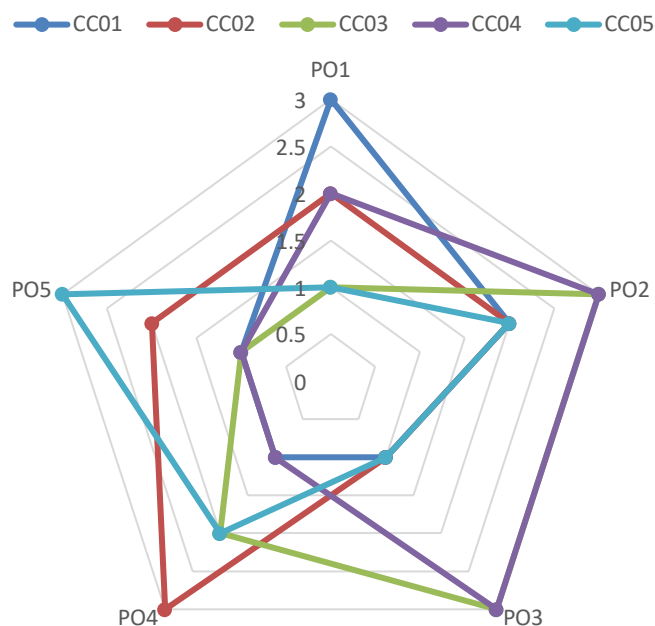
LEGEND 2:
 Programme Outcome (PO) -Course Outcome (CO) mapping of the BCC01 module.



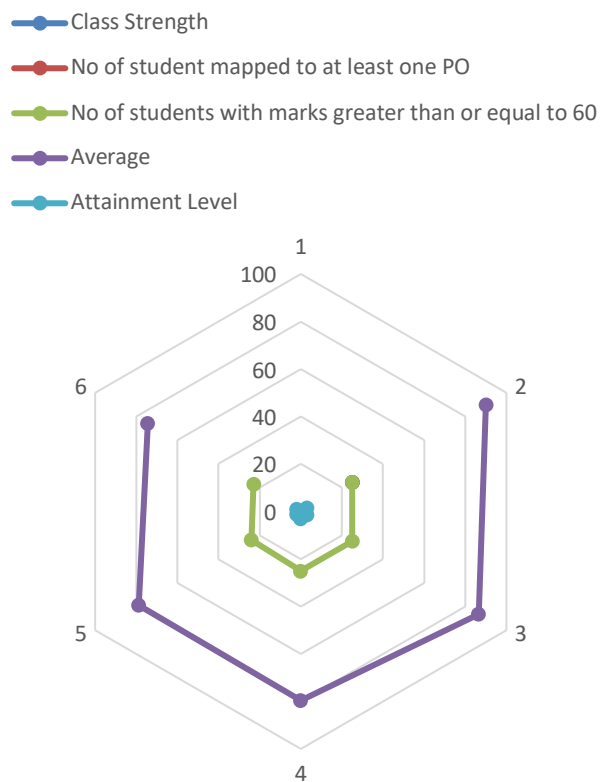
LEGEND 3:
 Average Attainment Level of the students in BCC01 module.

Learning Outcome for BCC02 (Module-2)

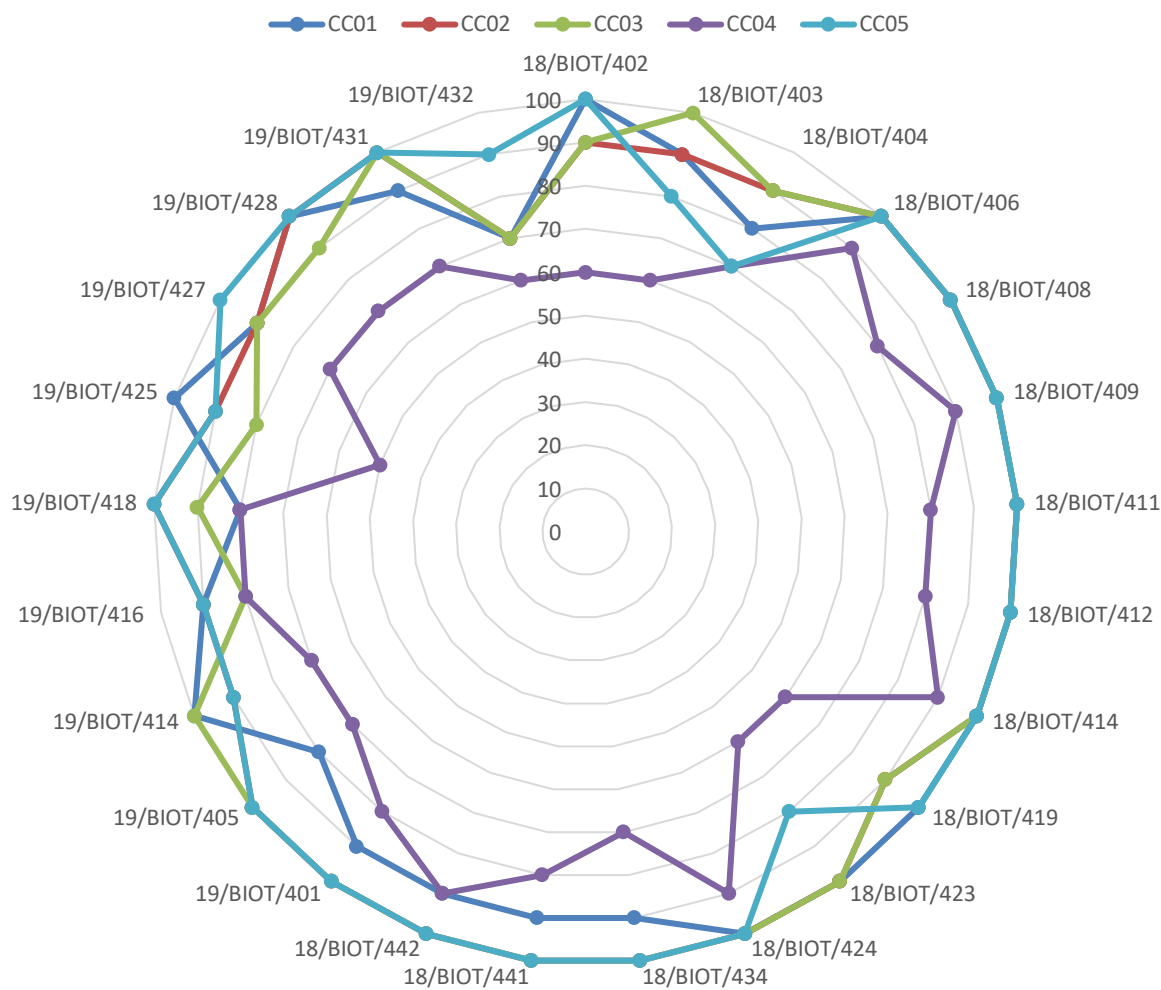
LEGEND 4: The Graph depicts the course outcome (CC01, CC02, CC03, CC04 & CC05) with the Percentage of Marks secured in the Examination of BCC02 (Module 2). The data are represented in percentage and plotted using Excel software.



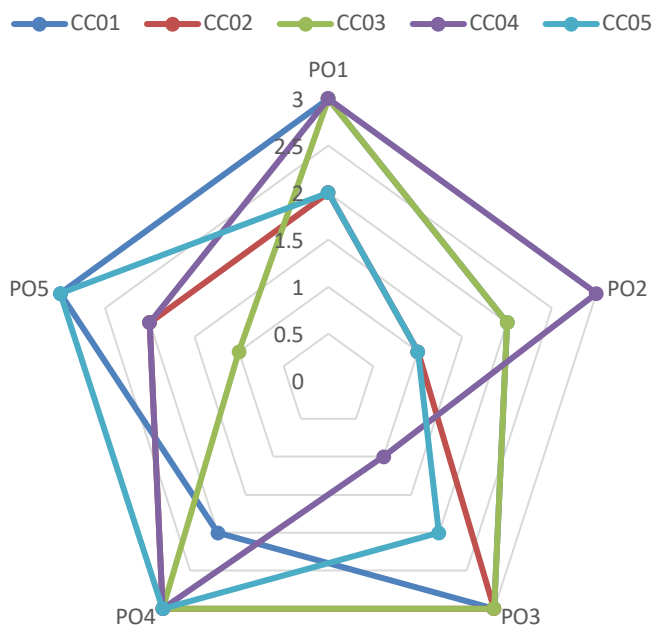
LEGEND 5:
Programme Outcome (PO) -Course Outcome (CO) mapping of the BCCo2 module.



LEGEND 6:
Average Attainment Level of the students in BCCo2 module.

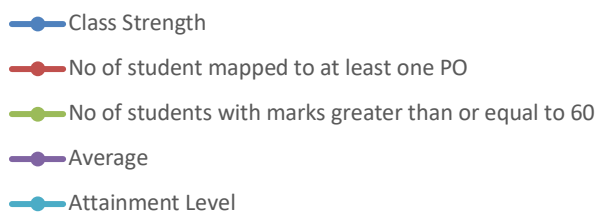
Learning Outcome for BCC02 (Module-3)

LEGEND 7: The Graph depicts the course outcome (CC01, CC02, CC03, CC04 & CC05) with the Percentage of Marks secured in the Examination of BCC03 (Module 3). The data are represented in percentage and plotted using Excel software.



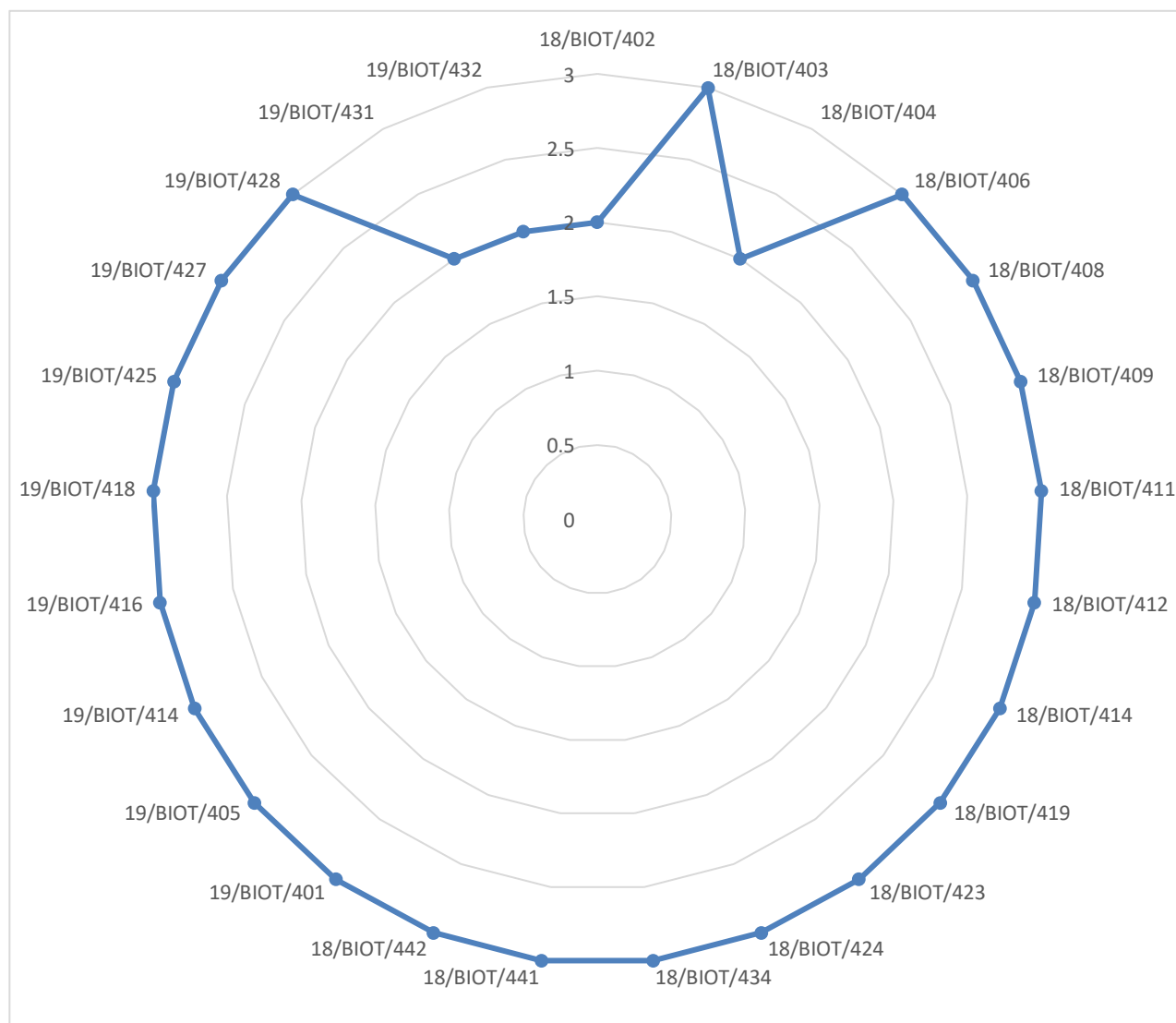
LEGEND 8:

Programme Outcome (PO) -Course Outcome (CO) mapping of the BCC03 module.



LEGEND 9:

Average Attainment Level of the students in BCC03 module.

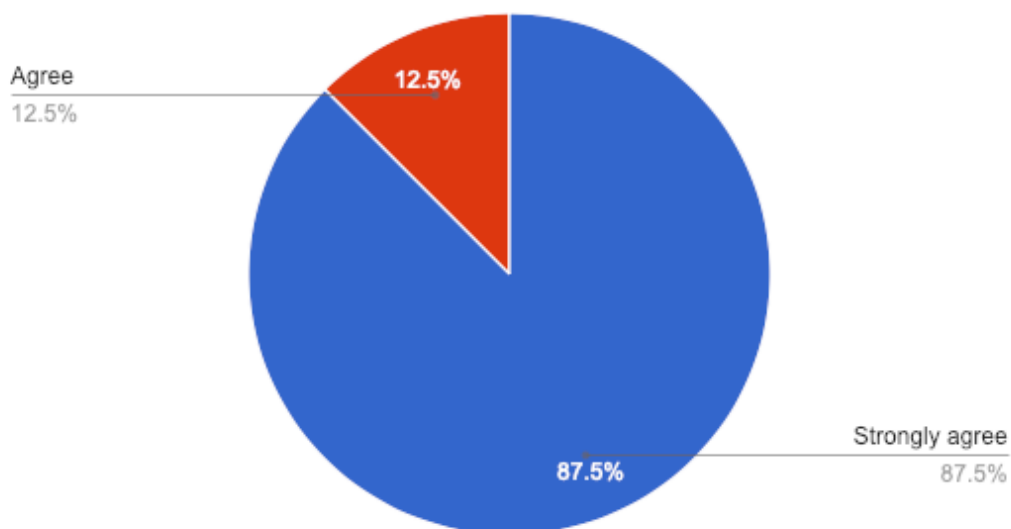
Average Attainment level of the 3 modules – BCC01, BCC02 & BCC03

LEGEND 10: The Graph depicts the average attainment level of the 3 modules with the corresponding CO-PO mapping. The data are represented in percentage and plotted using Excel software.

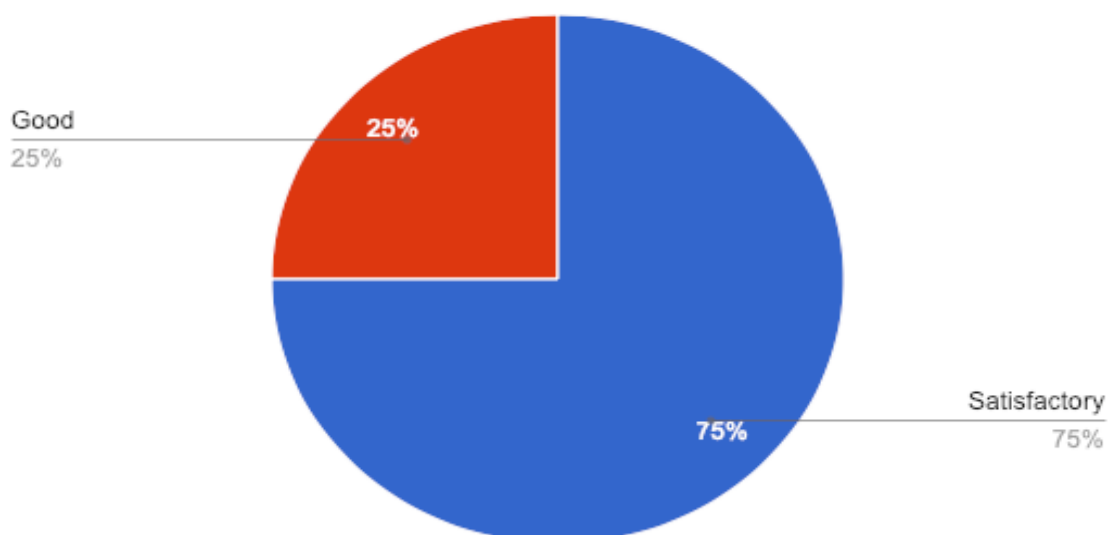
Feedback of Guest Faculty

The Feedback form for the guest faculty was designed with inputs from the IQAC cell for the participants using google (<https://forms.gle/xRvsRE5j7A38FbZa9>) and was responded by 9 teachers. The analysis is depicted below.

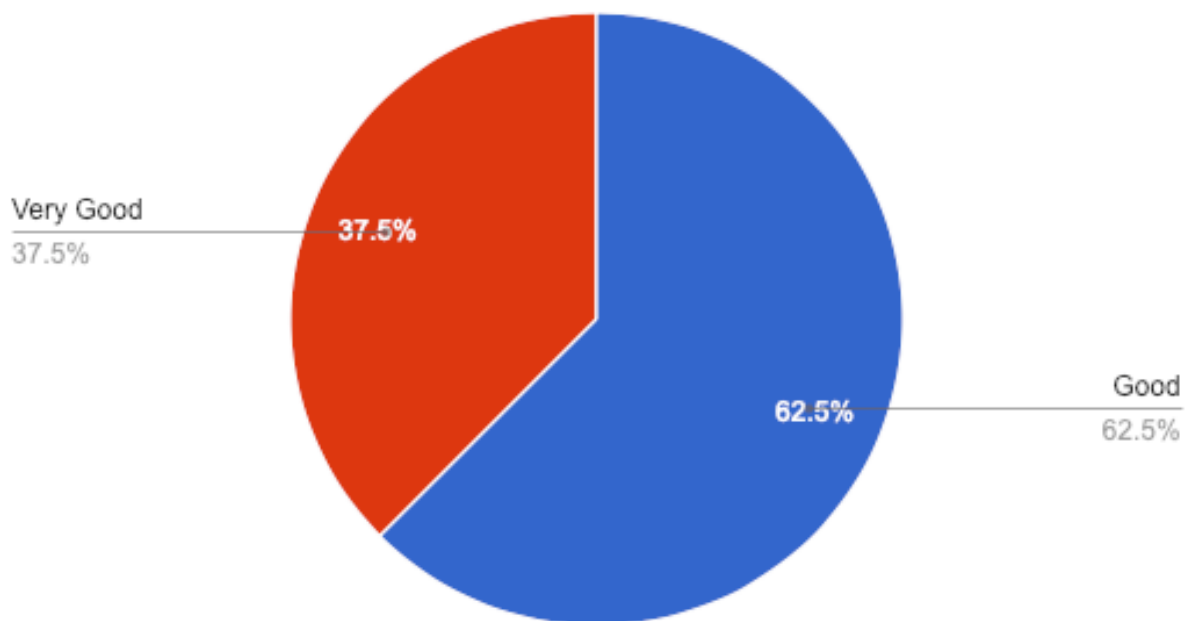
The time management to conduct the course was efficient



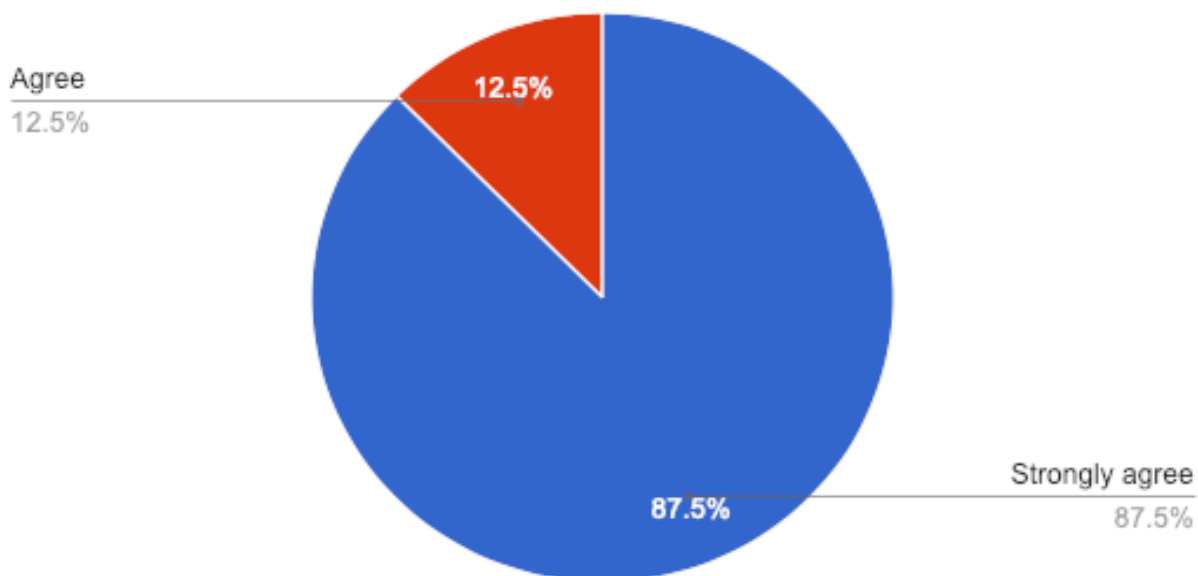
The content of the course was



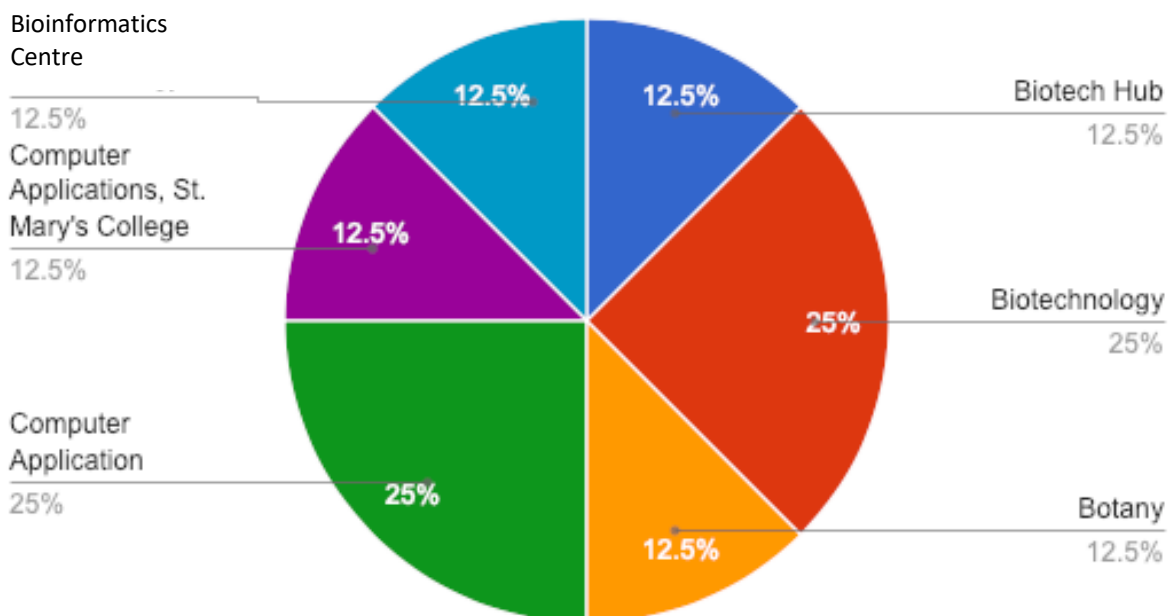
The response from the Learners during lecture/interactive session were



The Learning Management System (LMS) software used for running the course is up to date



Department



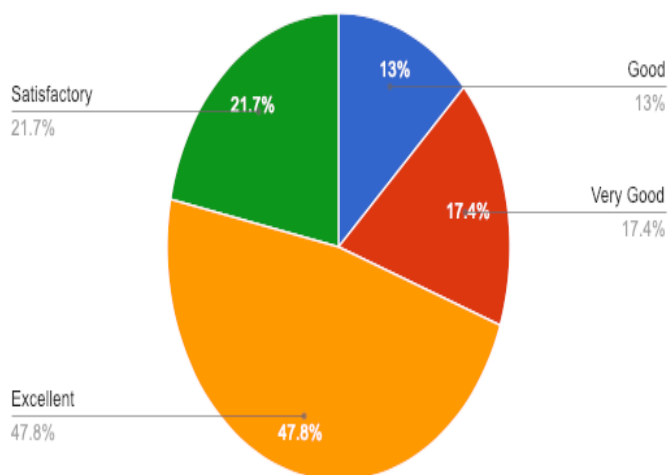
Name

chanu
negi debulman
john shekinah syiemiong
yogesh sunil dipankar
challam sharma nongkynrih
koban debnath sunila
sarmistha

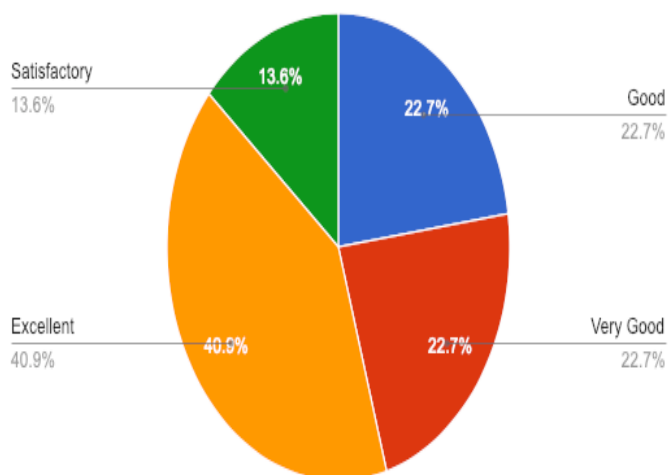
Feedback of Participants

The Feedback form was designed with inputs from the IQAC cell for the participants using google forms (<https://forms.gle/3eif11WqvZ14RzWz7>) and was responded by 25 participants. The analysis is depicted below.

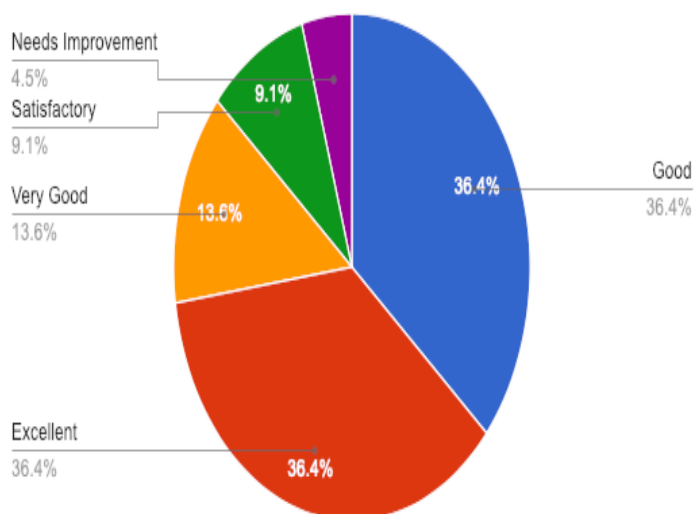
I would recommend the course to other colleagues



I would like to do the next level

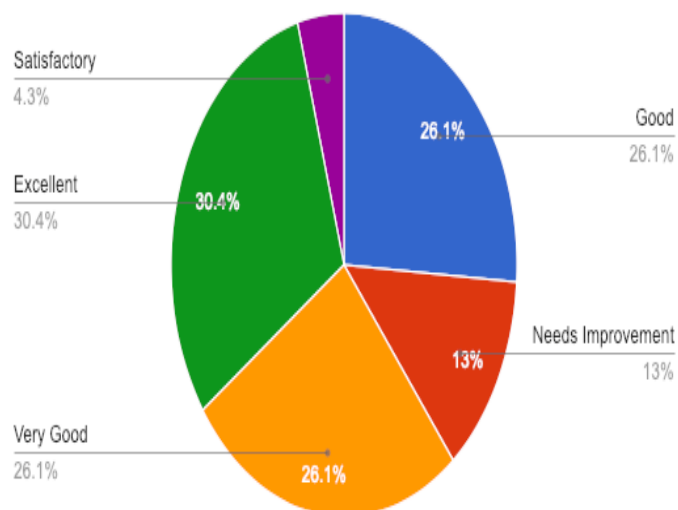


The lecture were clear and easy to understand

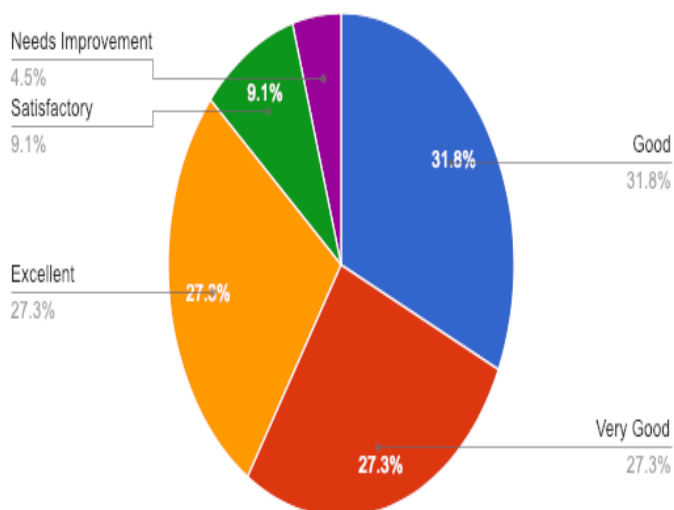


The online teaching aids were used effectively	Top results ▼
Good	8
Excellent	7
Very Good	4
Satisfactory	3
Needs Improvement	2

The Learning Management System (LMS) was easy to use

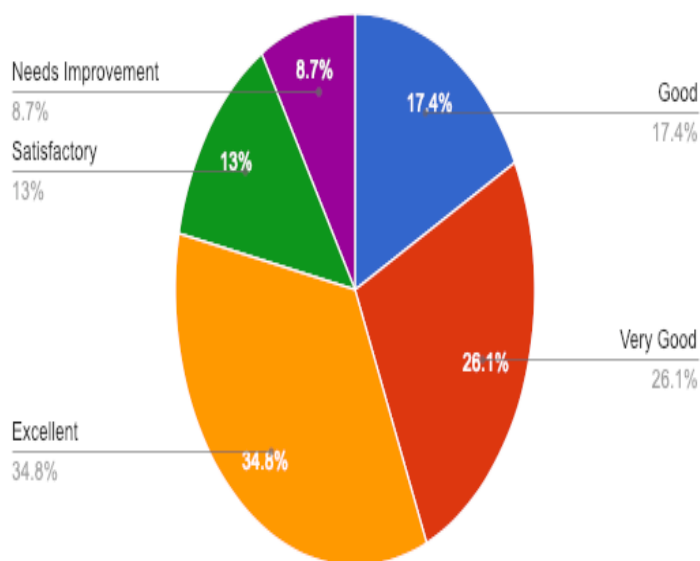


The instructor encouraged interaction and was helpful



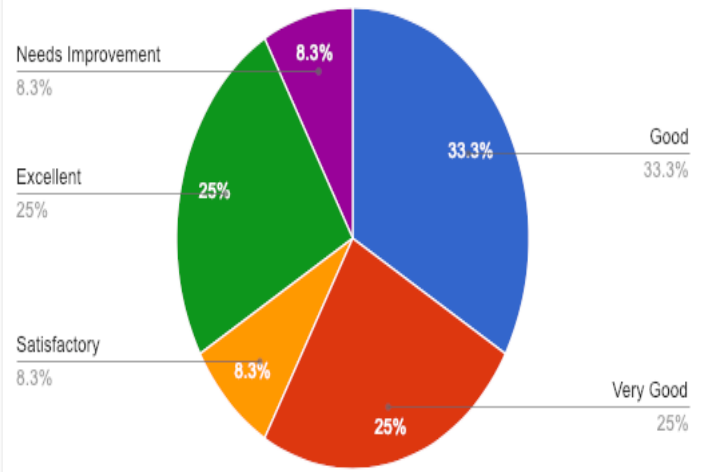
The objective of the course clear to me	Top results ▼
Good	8
Very Good	7
Excellent	5
Satisfactory	3
Needs Improvement	2

The course content met with my expectation



The lectures/videos were well planned	Top results ▼
Excellent	9
Good	6
Satisfactory	4
Very Good	3
Needs Improvement	2

The course built on my knowledge & practices



New Concepts...



Suggestion (s)



TEACHING HOURS BY FACULTY												
Dates	Time	Mode	Samrat Adhikari	D Debnath	S Sunila Chanu	Sarmista Deb	Yogesh Negi	Shekinah Challam	Koben Nongkynrith	Debulman Syiemiong	Sunil Sharma	Contact Hours
2nd March	5:00 - 5:30 PM	Lecture	0.5	-	-	-	-	-	-	-	-	0.5
	5:30 - 6:00 PM	Lecture	0.5	-	-	-	-	-	-	-	-	0.5
	6:00 - 6:30 PM	Practical	0.5	-	-	-	-	-	-	-	-	0.5
	6:30 - 7:00 PM	Practical	0.5	-	-	-	-	-	-	-	-	0.5
3rd March	5:00 - 6:00 PM	Lecture	-	1	-	-	-	-	-	-	-	1
	6:00 - 7:00 PM	Lecture	-	1	-	-	-	-	-	-	-	1
4th March	5:00 - 6:00 PM	Lecture	-	1	-	-	-	-	-	-	-	1
	6:00 - 7:00 PM	Lecture	-	1	-	-	-	-	-	-	-	1
5th March	5:00 - 6:00 PM	Lecture	-	-	1	-	-	-	-	-	-	1
	6:00 - 6:20 PM	Lecture	-	-	-	-	-	0.4	-	-	-	0.4
	6:20 - 7:00 PM	Lecture	-	-	-	-	-	0.6	-	-	-	0.6
6th March	5:00 - 5:30 PM	Lecture	0.5	-	-	-	-	-	-	-	-	0.5
	5:30 - 6:00 PM	Practical	0.5	-	-	-	-	-	-	-	-	0.5
	6:00 - 7:00 PM	Lecture	0.5	-	-	-	-	-	-	-	-	0.5
7th March	5:00 - 7:00 PM	EXAM	2	-	-	-	-	-	-	-	-	2
8th March	5:00 - 6:00 PM	Lecture	-	-	-	-	1	-	-	-	-	1
	6:00 - 6:30 PM	Lecture	-	-	-	-	0.5	-	-	-	-	0.5
	6:30 - 7:00 PM	Lecture	0.5	-	1	-	-	-	-	-	-	1.5
9th March	5:00 - 6:00 PM	Practical	-	-	-	1	-	-	-	-	-	1
	6:00 - 7:00 PM	Practical	-	-	-	2	-	-	-	-	-	2
10th March	5:00 - 7:00 PM	Practical	-	-	1	-	-	-	-	-	-	1
11th March	5:00 - 6:00 PM	Lecture	-	-	-	-	1	-	-	-	-	1
	6:00 - 7:00 PM	Lecture	-	-	-	-	-	-	1	-	-	1
12th March	5:00 - 5:30 PM	Lecture	-	-	-	-	1.5	-	-	-	-	1.5
	5:30 - 7:00 PM	Lecture	-	-	-	-	2	-	-	-	-	2
13th March	5:00 - 6:30 PM	Lecture	-	-	-	-	-	-	-	-	-	
14th March	5:00 - 7:00 PM	EXAM	2	-	-	-	-	-	-	-	-	2
15th March	6:00 - 6:30 PM	Lecture	-	-	-	-	-	-	-	0.5	-	0.5
	6:30 - 7:00 PM	Lecture	-	-	-	-	-	-	-	0.5	-	0.5
		Lecture	-	-	-	-	-	-	-	-	1	1
16th March	5:00 - 6:00 PM	Lecture	-	-	-	-	-	-	-	-	1	1
	6:00 - 7:00 PM	Lecture	-	-	-	-	-	-	-	0.5	-	0.5
17th March	6:00 - 6:30 PM	Practical	-	-	-	-	-	-	-	-	1	1
18th March	5:00 - 6:00 PM	Practical	-	-	-	-	-	-	-	-	1	1
	6:00 - 7:00 PM	Practical	-	-	-	-	-	-	-	-	1	1
19th March	5:00 - 6:00 PM	Practical	-	-	-	-	-	-	-	1	-	1
	6:00 - 7:00 PM	Lecture	-	-	-	-	-	-	-	-	1	1
20th March	5:00 - 6:00 PM	Lecture	-	-	-	-	-	-	-	-	0.5	0.5
	6:00 - 7:00 PM	Lecture	-	-	-	-	-	-	-	-	0.5	0.5
21st March	5:00 - 7:00	EXAM	2	-	-	-	-	-	-	-	-	2
TOTAL Hrs			10	4	3	3	6	1	1	2.5	7	36



SYLLABUS DISTRIBUTION CERTIFICATE COURSE IN BIOINFORMATICS (Level O)

Bioinformatics Centre
Department of Biotechnology
St. Edmund's College
Shillong- 793003, Meghalaya, India

Renumeration

SI No	Name of Faculty	Total Contact Hours Taken	Renumeration	Total Hours	Total
1	Samrat Adhikari	10	@ ₹ 500/- per hr	6.6	₹ 3300
2	S Sunila Chanu	3	@ ₹ 500/- per hr	3	₹ 1500
3	Yogesh Negi	5.5	@ ₹ 500/- per hr	6	₹ 3000
4	Sarmista Deb	3	@ ₹ 500/- per hr	3	₹ 1500
5	Shekinah Challam	1	@ ₹ 500/- per hr	1	₹ 500
6	Debulman Syiemiong	2.5	@ ₹ 500/- per hr	3	₹ 1500
7	Koben John Nongkynrih	0.5	@ ₹ 500/- per hr	1	₹ 500
8	Sunil Sharma	7	@ ₹ 500/- per hr	7	₹ 3500
9	Dipankar Debnath	4	@ ₹ 500/- per hr	4	₹ 2000
				Total Expense	₹ 17300.00
		Fees Collected	₹ 12500.00		
		College Contribution	₹ 4800.00		
		Total	₹ 17300.00	Balance	NIL

(Course Coordinator)

Course Description/Overview

The main purpose of the Online Certificate course in Bioinformatics (Level O) is to introduce students to the fundamentals of Bioinformatics and computer informatics in the context of the mastering these fundamentals which will allow students to apply the concepts more effectively to a variety of audiences, using a range of tools which are used in Biotechnology & allied fields. The course has been divided into 3 modules with diverse applications of computer fundamentals and its application in biotechnology & bioinformatics. The most key components of the course are

- Fundamentals of computer basics.
- Database design and articulation with knowledge of KDD and various Data Mining tools.
- Fundamentals to MY SQL and Oracle with special emphasis on FOSS.
- Special file formats which are used in biotechnology & bioinformatics analysis.
- Introduction to NCBI databases and its potential for retrieval of various biological data for effective analysis.
- Some of the algorithms which are used in day to day activities by students, researchers for R & D activities.

Assessment & Examination.

Each students were assessed by the different module examination which comprise of 50 question with each carrying 2 mark. These question were designed based on the aptitude model with more reasoning ability thinking on key concepts and also their individual IQ levels. The questions were further formulated as key indicator of Bloom's taxonomy of various learning levels. The question were formulated based on the various course outcome (CO) with due weightage to each of the outcome.

The marks secured were then further evaluated and computed for the correlating with the Programme outcome (PO) which has further helped in the evaluation of individual attainment level.

Final Result:

The final result was computed with the average of the 3 module examination and appropriate grades were given to students.

REGISTRATION FORM

Online Certificate Course in Bioinformatics (Level 0)

1st March - 21st March, 2021

Organised by Department of Biotechnology, St. Edmund's College, Shillong

* Required

1. Email address *

2. Name of the Student *

3. Department *

4. University Roll No *

5. College Roll No (Kindly provide in Linways account format) *

6. Mobile No *

7. Reason for joining the Certificate Course *

8. I hereby declare that the information provided is correct to my knowledge and belief *

Check all that apply.

☐ I agree

☐ I disagree

SAMPLE ONLY

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Google Forms

FEEDBACK FORMS FOR TEACHERS

Section 1 of 2

FEEDBACK FORM (For Teachers)

Online Certificate Course in Bioinformatics (Level 0)

2nd March, - 21st March, 2021
Organised by Department of Biotechnology, St. Edmund's College, Shillong

Email address *

Valid email address

This form is collecting email addresses. [Change settings](#)

After section 1 Continue to next section

Section 2 of 2

Dear Teachers, Thank you very much for taking the trouble for delivering the lecture/practicals in the Certificate Course. . Your inputs/feedback on the overall conduct of the certificate course will help us to conduct better in the near future.

Description (optional)

Name *

Short answer text

SAMPLE ONLY

Department *

Short answer text

The content of the course was *

☐ Satisfactory

☐ Needs Improvement

☐ Good

The time management to conduct the course was efficient *

☐ Strongly agree

☐ Agree

☐ Disagree

The response from the Learners during lecture/interactive session were *

☐ Very Good

☐ Good

☐ Average

The Learning Management System (LMS) software used for running the course is up to date *

☐ Strongly agree

☐ Agree

☐ Disagree

Would you like to be a part of the next advanced level of the course *

☐ Yes

☐ No

Suggestion (if any) *

Long answer text

FEEDBACK FROM FOR STUDENTS

FEEDBACK FORM

Online Certificate Course in Bioinformatics (Level 0)

2nd March, - 21st March, 2021
Organised by Department of Biotechnology, St. Edmund's College, Shillong

Email address *

Valid email address

This form is collecting email addresses. [Change settings](#)

After section 1 Continue to next section

Section 2 of 2

Dear Participants, Thank you very much for joining the course. Your inputs/feedback on the overall conduct of the certificate course will help us to conduct better in the near future.

Description (optional)

The objective of the course clear to me *

☐ Satisfactory

☐ Needs Improvement

☐ Good

☐ Very Good

☐ Excellent

SAMPLE ONLY

3. The course content met with my expectation *

Check all that apply.

- ☐ Satisfactory
☐ Needs Improvement
☐ Good
☐ Very Good
☐ Excellent

9. The online teaching aids were used effectively *

Check all that apply.

- ☐ Satisfactory
☐ Needs Improvement
☐ Good
☐ Very Good
☐ Excellent

4. The lectures/videos were well planned *

Check all that apply.

- ☐ Satisfactory
☐ Needs Improvement
☐ Good
☐ Very Good
☐ Excellent

10. The Learning Management System (LMS) was easy to use *

Check all that apply.

- ☐ Satisfactory
☐ Needs Improvement
☐ Good
☐ Very Good
☐ Excellent

5. The course built on my knowledge & practices *

Check all that apply.

- ☐ Satisfactory
☐ Needs Improvement
☐ Good
☐ Very Good
☐ Excellent

11. The instructor encouraged interaction and was helpful *

Check all that apply.

- ☐ Satisfactory
☐ Needs Improvement
☐ Good
☐ Very Good
☐ Excellent

6. I would recommend the course to other colleagues *

Check all that apply.

- ☐ Satisfactory
☐ Needs Improvement
☐ Good
☐ Very Good
☐ Excellent

12. New Concepts for me (50 words) *

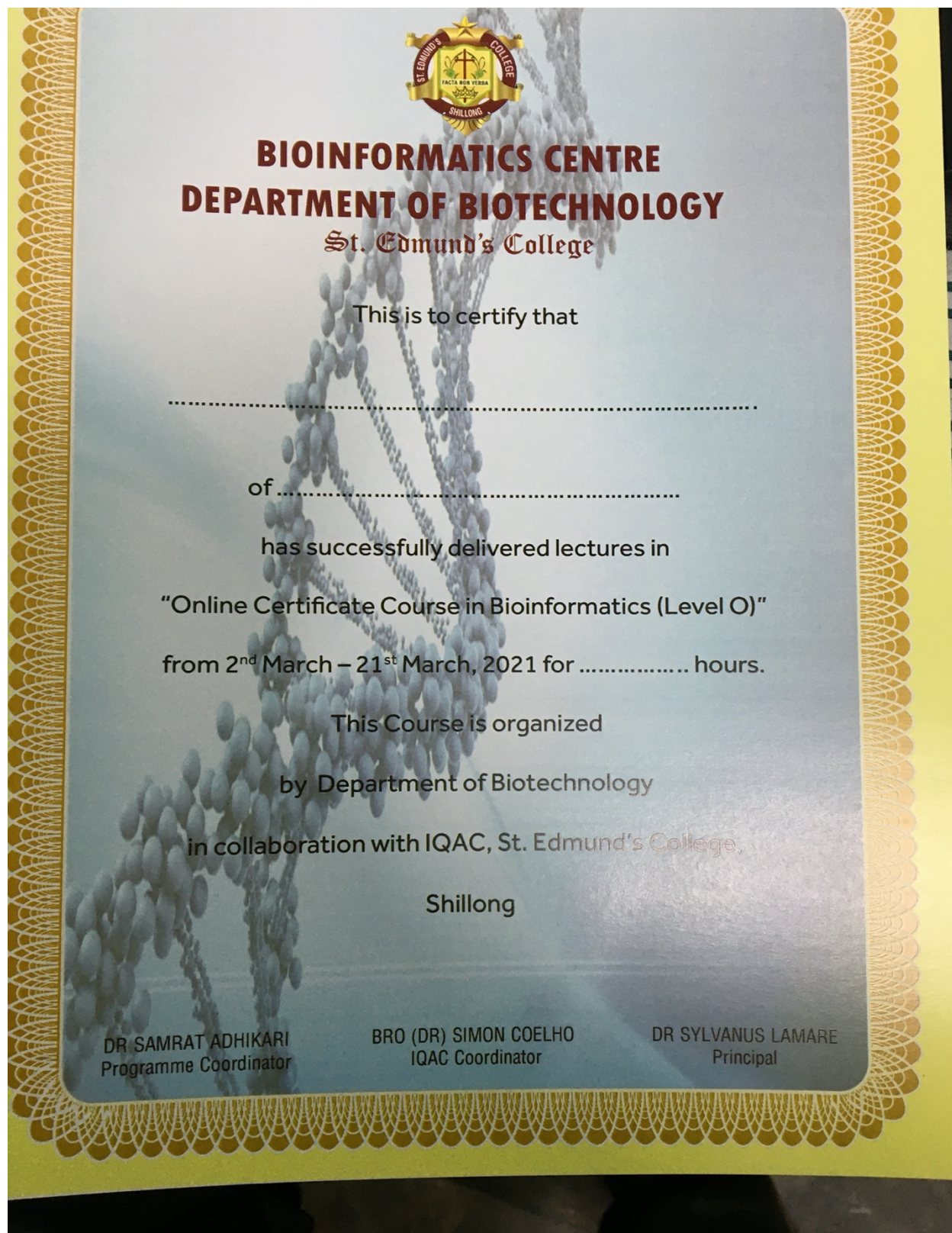
7. I would like to do the next level *

Check all that apply.

- ☐ Satisfactory
☐ Needs Improvement
☐ Good
☐ Very Good
☐ Excellent

13. Suggestion (if any) *

CERTIFICATE FOR GUEST FACULTY



CERTIFICATE FOR STUDENTS

SAMPLE ONLY





CERTIFICATE COURSE ON

VERMICOMPOSTING TECHNOLOGY FOR WASTE MANAGEMENT

Department of Environmental Science
ST. EDMUND'S COLLEGE, SHILLONG

AIMS AND OBJECTIVES

- Able to explain the need and concept of eco-friendly technology
- Production of nutrient rich compost
- Reduce the amount of organic wastes
- Enhanced Skill for production of vermicompost
- Self-employment with very little or no investment.

SIX MONTHS CERTIFICATE COURSE FOR THE YEAR
2020

Eligible student: Students of the College

Contact details:

9862212836

9863018917

Email: evs.sec07@gmail.com

CERTIFICATES WILL BE PROVIDED AT THE END OF SUCCESSFUL COMPLETION OF THE COURSE

To Whom it May Concern

The Department of Environmental Science, St. Edmund's College is conducting an six months certificate course on Vermicomposting Technology for Waste management for the year 2020-21. List of Students enrolled:

Sl. No.	Name
1	LURSTEP POHSHNA (
2	NENGUNNEI LHOUVUM
3	PARSI LAMA
4	LOVELY RALIANG
5	BIJIME M SANGMA
6	PHILARISHA PYNGROPE
7	INSHAISHISHA NONGNENG
8	KITBORLANG NONGRUM
9	FLUENCY MARBANIANG
10	VIRGINIA RAMENGVAR
11	LINDA JK RAMHMUNMAWII
12	IBALARI WARJRI
13	HONSLEY N SANGMA
14	JABED G MOMIN
15	NAPHINANGROI SUTING
16	TRUSTINA KHARMAWLONG
17	BLAHUNSHISHA KHARBUDON
18	LINDA SHIMRAH
19	HAILSTONE NONGBAK
20	HERIDAKI DKHAR
21	SARJUBALA LAISHRAM
22	JOHN ENGTI
23	MANDAPOIKINI CHYRMANG
24	FRANKLIN CHYMPA
25	F LALDAWNGKIMA
26	SHOROKHAIBAM TOMTHINGANBA

(Dr. J.T.Sawian)

H.O.D

Department of Environmental Science

**DEPARTMENT OF ENVIRONMENTAL SCIENCE
ST EDMUND'S COLLEGE SHILLONG**

REPORT

VALUE ADDED COURSE

Program: Basics of GPS and Mapping (VACBGM)

Duration: 1st March to 31st May 2023

Venue: Department of Environmental Science

Coordinator: E. Sumer

Number of students: 15

Objectives of the course:

- To make students understand the basic principle of GPS and its uses.
- To acquaint the with the skills of modern surveying through GPS.
- To empower students with the fundamental knowledge of the area of specialisation.
- To introduce students to the practical world of decision-making that can connect to the industrial requirement in a better way.
- To allow students to go beyond their curriculum and facilitate them to extend their interest level in each area.
- To give students a platform to experience a competitive environment through real-time projects and assignments.

The Department of Environmental Science, St. Edmund's College has conducted 20 hours Value Added course on Basics of GPS and Mapping w.e.f. March 2023 to May 2023. Classes were conducted in 45 minutes to 1-hour pattern according to the module designed.

Module 1: Basic theory of GPS – 4 hours

Module 2: Basic operations of GPS – 4 hours

Module 3: Installation of supporting software for data handling – 1 hour

Module 4: Downloading of Google Earth Pro and uses – 4 hours

Module 5: Basic map composition in QGis (Open Source) – 7 hours

Module 6: Practical and Assessments – 5 hours



REPORT ON

VALUE ADDED COURSE ON

INTRODUCTION TO BIOTECHNOLOGY



ORGANISED BY

DEPARTMENT OF BIOTECHNOLOGY,

ST. EDMUND'S COLLEGE, SHILLONG

ACKNOWLEDGEMENT

We would like to express our thanks and deep gratitude to all members of the department for supporting and cooperating with us to make this Course a success. We would like to place on record our thanks to:

1. Dr. Samrat Adhikari, HOD, Department of Biotechnology
2. Dr. B. Manners, Faculty, Department of Biotechnology
3. Dr. G. Paul, Faculty, Department of Biotechnology
4. Ms Priya Paul, Technical Assistant, St. Edmund's College, Shillong
5. Mr Erwin Kshiar, Lab Attendant, Dept of Biotechnology, St. Edmund's College, Shillong
6. All the student participants.

Title of the course: Introduction to Biotechnology

Total Contact Hours: 10 Hours

Date of Approval: 10th March, 2022

Opening of Registration Process: 12th March, 2022

Closing of Registration Process: 17th March, 2022

Mode of Registration: Online

Web link for Registration:

https://docs.google.com/forms/d/e/1FAIpQLSdnXvbkJwU522jK2ZtMtmbZ3DgTq-5bK4_n9eZn9KdbCD1PPw/viewform

Date for Commencement of the Course: 21st March, 2022

Date for Closing of the Course: 26th March, 2022

Duration: 6 Days

Total No of Students Enrolled: 69

Registration Fee: Rs.100/- completely refundable upon successful completion of the course

Course Coordinators: Mr. Koben J Nongkynrih

Ms. Shekinah Challam

Resource Persons: Dr. B. Manners, Department of Biotechnology

Dr. G. Paul, Department of Biotechnology

Mr. Koben J Nongkynrih, Department of Biotechnology

Ms. Shekinah Challam, Department of Biotechnology

Course Description:

This Course is designed to enable graduates from Life Sciences equip themselves with the basics in Biotechnology along with the use of basic yet important equipments and application of techniques. This Value Added course will be a 10 Hour, 1-week self-paced online course consisting of 3 modules including both theory and practical lessons. However the Course Learners will have to write test after they have completed each module in order to be able to unlock the next module. Course structure

The VAC syllabus proposed is of 10 contact hours with 3 modules units (Module 1, Module2, Module 3). Each of these contact hours has courses on Basic Cell biology, Proteomics and and introduction to Bioinformatics, respectiely. Furthermore, each of the modules have assessment period and a one hour live session with the student participants to enable them to clear their doubts

Module I

Introduction and Scope of Biotechnology - 30 mins-(By Dr. Gopesh Paul)

Cell structure and functions- 1 Hour-(Prof. B. Manners)

Gene Cloning- 1 Hour-(By Dr. Gopesh Paul)

Exam- 30 Mins

Module II

Protein structure and functions - 30 mins-(Prof. S. Challam)

Isolation of Casein from milk- 30 mins-(Prof. S. Challam)

Industrial Biotechnology- 1 hour-(Prof. S. Challam)

Secondary metabolites production and applications- 30 mins-(Prof. S. Challam)

Exam: 30 Mins

Module III

Introduction to Bioinformatics - 30 mins- (Prof. K. J.Nongkynrih)

BLAST and FASTA- 30 mins-(Prof. K. J. Nongkynrih)

IPR- 1 Hour-(Prof. B. Manners)

Exam- 30 Mins

Online Class- 1 Hour

Valedictory- 15 Mins

Mode of Conduct of the Course

The course was conducted completely online using the College Linways Learning Management System (LMS). Each teacher was assigned roles in their respective accounts. The mode of presentation has been live sessions, Power point presentations, video recording which was uploaded in the LMS system for the students to view at any time

Grading Policy

The following policy was used

Marks	Final Grade
90-100	A+
80-90	A
70-80	B+
60-70	B
50-60	C+
40-50	C
Below 50	Needs Improvement

Students Registered for the course:

Arjit Kumar Das	arjitdas507@gmail.com	Biotechnolog y	6th Semester	09089423737
Arbanylla War	warbanylla@gmail.com	Biotechnolog y	2nd Semester	7005854084
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uranim kc shaiza	uranimshaiza@gmail.com	biotechnolog y	2nd Semester	6009384002
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Lalnunmawia	lnmawiahlawndo30@gmail.com	Biotechnology	6th Semester	9862511734
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Tapunishtha Borah	tapunishthaborah@gmail.com	Biotechnology	2nd Semester	6913808706
Ningthoujam Akash Singh	akashaningthoujam@gmail.com	Botany	6th Semester	8787575162
Swagata Dutta	swagatadutta206@gmail.com	Biotechnology	2nd Semester	6002600319
Rode Islary	Rodeislary@gmail.com	BIOTECHNOLOGY	2nd Semester	9864991805
Wilson sutnga	sutngawilson@gmail.com	BIOTECHNOLOGY	2nd Semester	9366285033
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KC Vanlalzari	kaceyzar@gmail.com	Biotechnology	6th Semester	8132926090
KC Vanlalzari	kaceyzar@gmail.com	biotechnology	6th	8132926090

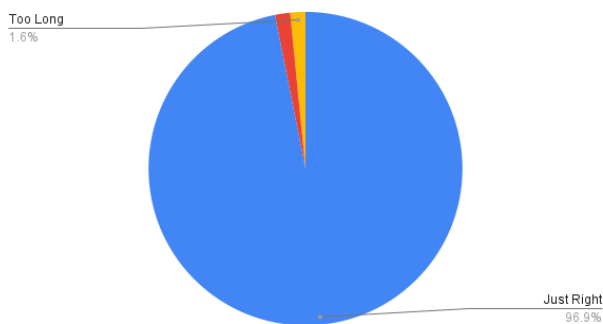
		y	Semester	
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Scoresheet:

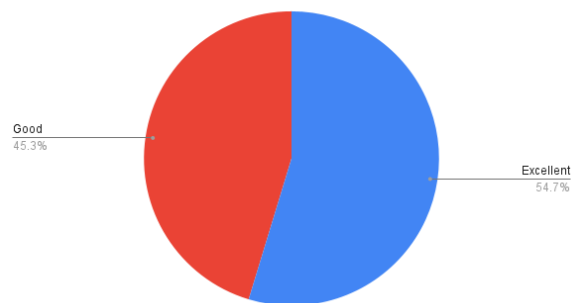
Name	Email	Department	Semester	Marks Scored (%)	Grade
Arjit Kumar Das	arjitdas507@gmail.com	Biotechnology	6th Semester	80	A
Arbanylla War	warbanylla@gmail.com	Biotechnology	2nd Semester	74	B+
Nisha kumari ray	Nisharoy4900@gmail.com	Biotechnology	2nd Semester	59	C+
M.LHINGNEIVAH HAOKIP	gracehaokip80@gmail.com	Biotechnology	2nd Semester	76	B+
Ankita Hazarika	ankitahazarika008@gmail.com	Biotechnology	2nd Semester	84	A
Chanshim Kashung	chanshimkashung0340@gmail.com	Biotechnology	2nd Semester	25	F
Sinhenba Chirom	sinhenbachiro@gmail.com	Biotechnology	6th Semester	79	B+
Rosy Lallawmawmi	rosylallawmawmi13@gmail.com	Biotechnology	2nd Semester	57	C+
Riyas Reang	riyaszreang@gmail.com	Biotechnology	6th Semester	80	A
Akash Deep Paul	akash42001628@gmail.com	Biotechnology	6th Semester	89	A
Bhaswati Chakraborty	bhaswatic12@gmail.com	Biotechnology	2nd Semester	87	A
Akriti Prasad	akritiprasad123456@gmail.com	Biotechnology	4th Semester	84	A
Ankit Das Gupta	amitdasgupta308@gmail.com	Biotechnology	2nd Semester	88	A
Monica.J.Warjri	nica11sashawarjri@gmail.com	Biotechnology	2nd Semester	77	B+
Lisia Singpho	lisiasingpho27@gmail.com	Biotechnology	2nd Semester	64	B+
Mou Paul	pmou344@gmail.com	Biotechnology	6th Semester	92	A+
Soumyarupa Sarma	soumyarupasarma2000@gmail.com	Biotechnology	6th Semester	91	A+
Deishadaphi Banylla Toi	banylladaphi@gmail.com	Biotechnology	6th Semester	81	A
Wandashisha Kharkongor	wandashishakharkongor62@gmail.com	Biotechnology	6th Semester	79	B+
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Ashakiran D Rai	sasharai270901@gmail.com	Biotechnology	2nd Semester	84	A
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Malsawmdawnglian a	jeffmsaralte@gmail.com	Biotechnology	6th Semester	78	B+
Priyanuj Hazarika	priyanujhazarika0@gmail.com	Biotechnology	2nd Semester	53	C+
Amon jyoti Goswami	goswamiamon2003@gmail.com	Biotechnology	2nd Semester	82	A
Kimkimchi M Momin	kimkimchichichi00@gmail.com	Biotechnology	2nd Semester	67	B
Linda Zairemmawii	lindazairemmawii@gmail.com	Biotechnology	2nd Semester	37	F
RAJDEEP PAUL	rajdeeppaulx@yahoo.com	BIOTECHNOLOGY	2nd Semester	78	B+
Rahul Sunar	rahulsunar2903@gmail.com	Biotechnology	2nd Semester	69	B
ANKITA SAIKIA	Popisaikia1947@gmail.com	Biotechnology	6th Semester	85	A

BABETSHISHA KHARNAIOR	babetkharnaior@gmail.com	Biotechnology	6th Semester	83	A
Dani Monya	monyadani@gmail.Com	Biotechnology	2nd Semester	83	A
Jiphila Roidill Shabong	Jiphilaroidill@gmail.com	Biotechnology	2nd Semester	76	B+
Shabnam Barbhuiya	shabnambarbhuiya0@gmail.com	Bsc Biotechnology	6th Semester	92	A+
Proshila Rai	raiproshila@gmail.com	Biotechnology	6th Semester	78	B+
uranim kc shaiza	uranimshaiza@gmail.com	biotechnology	2nd Semester	47	C
Nairity Goswami	goswaminairity@gmail.com	BIOTECHNOLOGY	2nd Semester	84	A
Khusboo Sharma	khusboosharma2263@gmail.com	Biotechnology	2nd Semester	84	A
Suman Basumatary	sumanbasumatary2001@gmail.com	BIOTECHNOLOGY	4th Semester	80	A
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Darshana Sarma	darshana.sarma0201@gmail.com	Biotechnology	6th Semester	80	A
Abhishek Borkakoty	aborkakoty@rocketmail.com	Biotechnology	6th Semester	82	A
Vaishali Nayak	nayakvaishali2002@gmail.com	Biotechnology hons	4th Semester	83	A
Vanshika Jasrasaria	vanshikajasrasaria@gmail.com	Biotechnology	2nd Semester	78	B+
Sambunki Pakem	Spakem34@gmail.com	Biotechnology	2nd Semester	65	B
Rani Shyrmang	ranishyrmang123@gmail.com	Biotechnology	2nd Semester	79	B+
Sushang tamang	sushangtamang57@gmail.com	Biotechnology	2nd Semester	84	A
Diarchy Hajong	diarchyy@gmail.com	Biotechnology	6th Semester	80	A
KC Vanlalzari	kaceyzar@gmail.com	Biotechnology	6th Semester	78	B+
Susmita Das	susmitadas0006@gmail.com	Biotechnology	2nd Semester	81	A
Minku ghosh	ghoshminku@gmail.com	biotechnology	6th Semester	92	A+
Jasmine Jamatia	jasminejamatia1@gmail.com	Biotechnology	4th Semester	71	B+
Lalnunmawia	lnmawiahlawndo30@gmail.com	Biotechnology	6th Semester	88	A
Gokul Bhujel	geetabhujel.gb@gmail.com	Botany	6th Semester	78	B+
Joseph Lalmuanawma	josephlalmuanawma4@gmail.com	Biotechnology	6th Semester	87	A
Tapunishtha Borah	tapunishthaborah@gmail.com	Biotechnology	2nd Semester	85	A
Ningthoujam Akash Singh	akashaningthoujam@gmail.com	Botany	6th Semester	77	B+
Swagata Dutta	swagatadutta206@gmail.com	Biotechnology	2nd Semester	82	A
Rode Islary	Rodeislary@gmail.com	BIOTECHNOLOGY	2nd Semester	79	B+
Wilson sutnga	sutngawilson@gmail.com	BIOTECHNOLOGY	2nd Semester	48	C
Rohini Gautam	rohinigautam180@gmail.com	Biotechnology	4th Semester	85	A

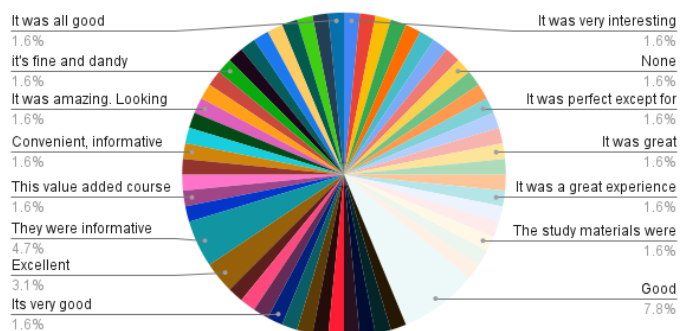
Duration of the Course



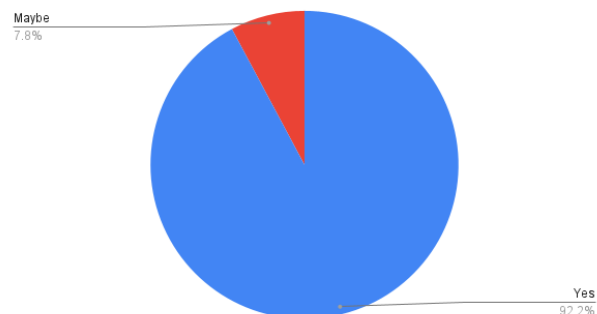
Count of Content of Course



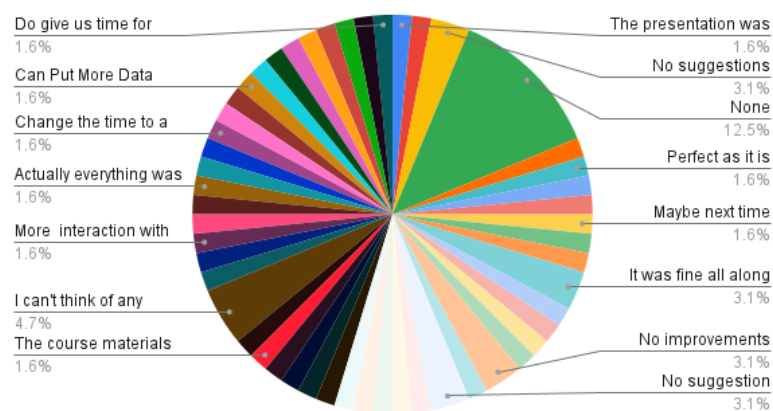
Count of Your opinion of the study material/videos/practical demonstrations



Count of Will you join similar Value Added Courses in the future?



Count of Your suggestions for the improvement of the course





An Introduction to Biotechnology A Value Added Course

Organised by
The Department of Biotechnology,
St. Edmund's College,
Shillong

Dates: 21st March- 26th March, 2022

Last Date of Registration: 17th March, 2022

Registration Free: Rs.200/- (payable by cash to the Organising Secretaries and refundable subject to successful completion of the course)

Eligibility: UG Students from Life Sciences of St. Edmund's College

Platform: Linways LMS

Certificates will be awarded on successful Completion of the Course

Click here  to register

<https://forms.gle/hTbenNR2Euy9Wf4b7>

For any queries, contact the
Organising Secretaries at:

kobenjohn77@gmail.com

shekinah.challam@gmail.com



St. Edmund's College
Shillong

Certificate of Merit

Awarded to

xyz

St. Edmund's College, Shillong

for successfully completing the 5 days "Value Added Course – Introduction to Biotechnology"

With

Grade ybn

Organized by Department of Department of Biotechnology in Collaboration with Internal Quality
Assurance Cell, (IQAC) St. Edmund's College, Shillong from 21st – 26th March 2022.

Certificate ID: VACBT022022063



KOBEN JOHN NONGKYNRIH
Course Coordinator

SHEKINAH CHALLAM
Course Coordinator

DR (BR) SIMON COELHO
IQAC Coordinator

DR SYLVANUS LAMARE
Principal

Grade	A*	A	B*	B	C*	C
Marks	90-100 %	80-89 %	70-79 %	60-69 %	50-59 %	40-49 %

CHILD RIGHT AND LAWS

Just like any of us, Children do have their own rights that have been sanctioned by International Conventions (United Nations Convention on the Rights of the Child). In Social Work Practice, understanding and knowing the rights of the child is important. Children need to be protected because of their vulnerability and given a space and opportunity for their holistic development. It is understood that when children are educated, protected and nourished, they bloom into better citizens who would later contribute tremendously to the development of the society.

This course is designed for student social workers, to understand and learn about children, their rights and existing laws. Laws relating to education, protection, and health; Services like the Integrated Child Development Scheme, will also be dealt with. By knowing and learning about child rights and laws, the students would be equipped with knowledge that would help them to situationally analyse children, which would also help in the growth of their professional career.

OBJECTIVES

1. To be aware about Child Rights and the UNCRC
2. To understand the various laws that exist for Children in India
3. To equip students with the knowledge on the importance of the various schemes relating to children in India.

MODE OF COMMUNICATION

Online mode through Zoom Platform was used. The reason being that the course is intended for students of all departments and due to their different class timings, the department has unanimously decided that it is best to conduct the value-added course in the late afternoon via online. However due to the number of participants, we had to divide the class into two sections: 1 at 4pm and the other at 7pm.

COURSE OUTLINE

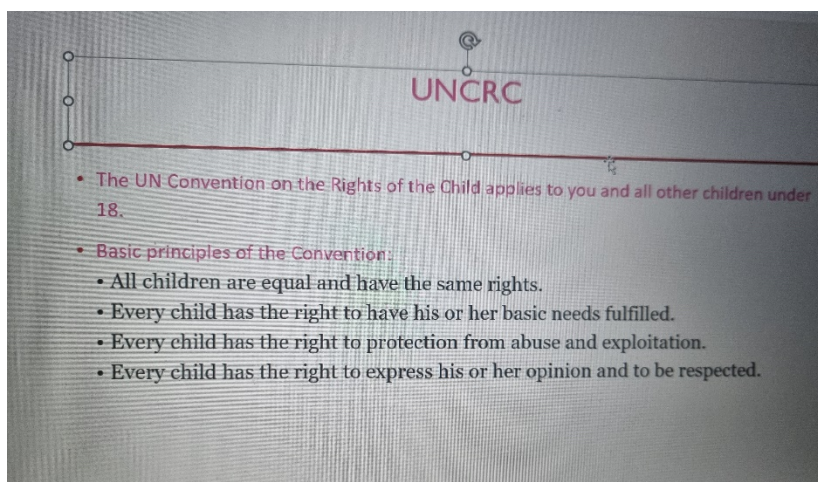
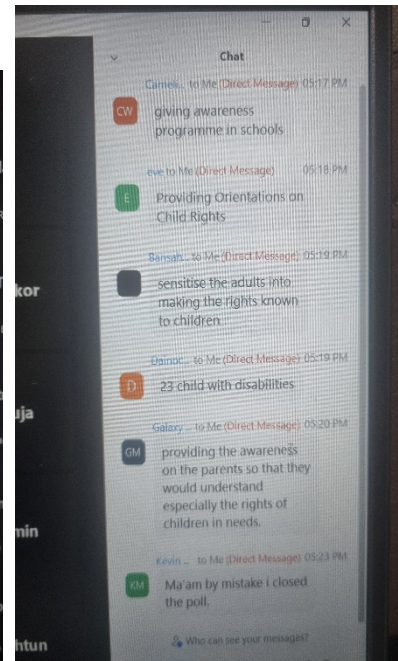
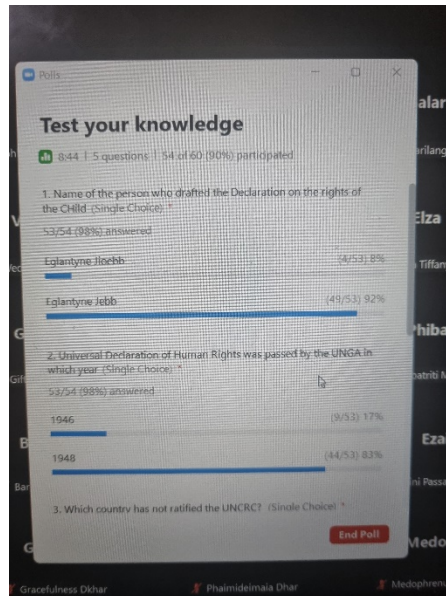
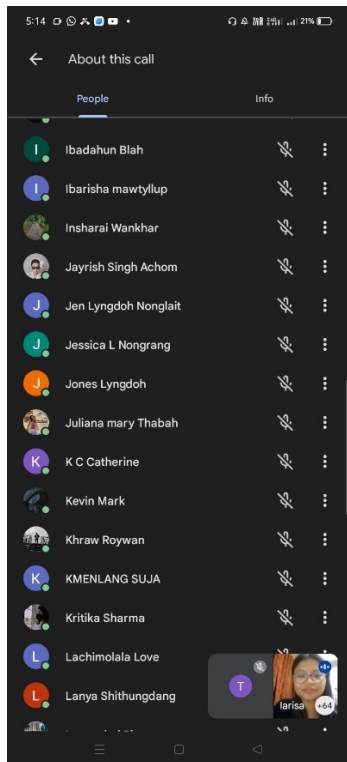
Sl. No	CONTENT	DATE	TIME	TEACHER	TOOLS
1.	BASIC CONCEPT:				
	1. Child: Definition 2. Laws: Definition 3. Profile: Children in India	17.10.2022	4:00 pm	Ms. Audrey D. Dohling	PPT
2.	INTERNATIONAL CONVENTION:				
	United Nations Convention on the Rights of the Child	18.10.2022	4:00 pm	Ms. Iarisa A. R. Dorphang	PPT
3.	CHILD RIGHTS:				
	Right to survival Right to Protection Right to Participation	19.10.2022	4:00 pm	Ms. Iarisa A. R. Dorphang	PPT, Group Activities

	Right to Development				
4.	CHILD LAWS IN INDIA				
	Right to Education (RTE)	20.10.2022	4:00 pm	Mr. Randolph V. Langstieh	PPT
	Prevention of Child Labor: Laws	21.10.2022	4:00 pm	Mr. Daniel N. Kharkongor	PPT
	J.J. Act	25.10.2022	4:00 pm	Ms. Edaneolla Kynta	PPT
	POCSO	26.10.2022	4:00 pm	Ms. Edaneolla Kynta	PPT
	Programme: ICDS	27.10.2022	4:00 pm	Ms. Aibakor Kharbuli	PPT
5	ASSESSMENT & FEEDBACK SESSION	28.10.2022	4:00 pm	Ms. Iarisa A. R. Dorphang & Ms. Edaneolla Kynta	Quizzard & Google Form

PROGRAMME OUTCOME

The participants were interactive and curious enough to ask questions pertaining to the topics. The objectives of the course are achieved, since all topics were covered and the participants keen interest on the topics were highly seen, through their questions and ability to respond to the quizzes and questions. The participants are able to define and use correctly all the key words used during the sessions. They understood the importance of introducing national laws and policies to protect children's rights. They understand how the laws and policies in our country provide for children's rights to care, to protection from violence and abuse, to be informed and to be heard. More importantly, to demonstrate their understanding of the relevance of these laws and policies for their practice as social workers or simply as a champion to children's rights.

PHOTOGRAPHS



VALUE ADDED COURSE

CHILD RIGHTS AND LAWS

Starting 17th October,
2022 @4pm (Online)

**REGISTER NOW: SEND YOUR
NAME, SEMESTER, DEPARTMENT
TO +918787406522
+919402161907**

Know about the UNCRC, Children's Rights,
JJ Act, POCSO, ETC

Course prepared by: Department of
Social Work (UG)



Full Name (In Capital)	Gender	Address	Phone number	Semester
Habiba Khanam	Female	Lummawrie Laitumkhrah	09127535758	BSW 5TH
Victor Pariat	Male	Golflink polo hills Shillong	9362801663	BSW 1ST
Cordelia Mary Rajee	Female	Lawsotun	8256909458	BSW 3RD
REBECCA LAMIN	Female	Lady veale,hostel umsohsun	9233051396	BSW 1ST
INSHARAI IAPHI WANKHAR	Female	Mawlai Syllaikariah	8257911824	BSW 3RD
Ibanwanlang mawrie	Female	Mawkhar	9362230373	BSW 1ST
Juman Kalita	Female	Shillong	8399983765	BSW 5TH
CHRISTINE BAKORDOR DKHAR	Female	New Nongstoin	9366339802	BSW 3RD
NEIKESANUO CHADI	Female	Lower Motinagar	7005924493	BSW 3RD
EDIKALSON MARWEIN	Male	LADWEITANG, NONGSTOIN, WEST KHASI HILLS DISTRICT	6909641544	BSW 3RD
Phidalumlang Kharkongor	Female	Khliehshnong Sohra	6009815988	BSW 5TH
DASANLANGKI DIENGDOH	Male	Nongthymmai	9774102833	BSW 1ST
UNISHA SOHBAR	Female	Lumshyiap langkyrding block A	8822491547	BSW 1ST
PHIBAWANRISA DEWKHAID	Female	Mawlai Kynton Massar	9366836248	BSW 5TH
IDABARYNE MAJAW	Female	LAITLYNGKOT	9774146446	BSW 1ST
Tai Yam	Female	Goraline	07642940511	OTHERS
Careen War	Female	Lower Mawprem bishop falls	09774141484	BSW 1ST
RIBANBIANG SUCHIANG	Male	Jaiaw langsning	7085781162	BSW 1ST
EVENRICHWELL LYNGDOH TRON	Male	Umlyngka Pdengshnong, Upper Shillong	8794620943	BSW 1ST
Jessica Lyngdoh Nongrang	Female	Laitumkhrah	9362915043	BSW 3RD
WANKI SARI	Female	Demthring	9378056493	BSW 1ST
IBARISHA MAWTYLLUP	Female	NONGRAH	9362307166	BSW 1ST
MAVERICK STEVEN NONGSIANG	Male	Umpling dongshaneng	8798875905	BSW 1ST
OLIVIA KHARBYNGAR	Female	Nongthymmai	8798732843	BSW 1ST
KEVIN MARK	Male	Riatsamthiah	7005800631	BSW 5TH
RIBASUK KHARKONGOR	Female	NONGTHYMMAI,NONGKHYRIEM	6909749024	OTHERS
NILU SUTING	Female	Red Hill Road Laitumkhrah, Shillong	9863510933	BSW 5TH
WANKI SARI	Female	Demthring	9378056493	BSW 1ST
CLARINDA. B. LYNDEM	Female	Lawjynriew Lumbasuk-B Nongthymmai Shillong -14	9612552807	BSW 5TH
AIMESHA ALVA MYLLIEM UMLONG	Female	Upper Shillong,3rd Mile Umlyinka	9383191958	BSW 1ST
NAFISHA MALNGIANG	Female	Pynthorbah	93620 47199	BSW 3RD
ISAWAEM SAJEM	Female	Laitumkhrah Nongrimbah	8794048093	BSW 1ST
JENNIFER LYNGDOH NONGLAIT	Female	Malki, pdengshnong	8798723608	BSW 1ST

Khundrakpam Surchandra Singha	Male	Nongthymmai, Shillong-14	7005829426	BSW 1ST
BANTEILANG DKHAR	Male	Raitong	6909544335	BSW 3RD
SUKKYNJAI SYIEM	Female	MAWPDANG ,EAST KHASI HILLS DISTRICT	9366214227	MSW 3RD
MEBANSIEWDOR NONGKHLAW	Male	Laitlyngkot	8794539648	BSW 5TH
JECINTA SHABONG	Female	Laban lastop ABP road	9774563539	BSW 3RD
DERENCE O MARBOH	Male	Lumiablot, Nongthymmai-14	9383190509	BSW 1ST
HANRI ZIMIK	Male	Laithumkhrah, Ngakuimi Home	7005513018	BSW 1ST
Wandabiang Nongrum	Female	Laitumkhrah	09863069354	BSW 5TH
Beracah D Laloo	Female	Madan Laban,Near St John's Church	8414034517	BSW 1ST
MACDALYNE B KHARSAHNOH	Female	Nongumlong Upper Shillong	8798211623	BSW 1ST
BANSAHNAM KSHIAR	Male	Nongmadan, Smit, Shillong-793015	8257819295	BSW 3RD
SANCHITA SARMAH	Female	Nongthymmai,Shillong	6003355812	BSW 3RD
DA-I-NOCIA RANGTHALUH	Female	Nongpoh p.o Mawroh Meghalaya	6009830242	BSW 1ST
VIDYA R LYNGSKOR	Female	BSNL COMPLEX, RYNJAH, 793006	8257036918	BSW 5TH
Felicity Nanglein	Female	Mawkhar mission compound Shillong	9856163480	BSW 5TH
Bashida Marbaniang	Female	Lower lumparing, rahnep	9436937196	BSW 3RD
APHISHA KHARKONGOR	Female	Lawsotun Block 6 (Lawpyrton-Near Margaret Barr Memorial School)	9774142976	OTHERS
TENGAT R MARAK	Male	Laitumkhrah, Shillong	9366160837	OTHERS
EZAINI HAGGIE PASSAH	Female	Lower Lachumiere Temple Road block 5	6033097148	BSW 1ST
PHIBAKOR SUTING	Female	Mawlai Umthlong	8794919174	BSW 3RD
MEDOPHRENUO KHEZHIE	Female	Lower Motinagar	8259029702	BSW 1ST
IBADAHUN BLAH	Female	Golfink Pdengshnong	9402346233	BSW 5TH
Synshar kyrhai Warjri	Female	Mawlai Mawkynroh	9615671817	BSW 1ST
DAMANGKYNSAI KHONGMALAI	Male	Mission Compound (Block 2)	7085928372	BSW 3RD
KRIKA SHARMA	Female	Laithmukrah	9612112873	OTHERS
Deilang sari	Female	Demthring shillong	6909902130	BSW 1ST
RIBANLIN LYNGDOH	Female	Marshilong Village South West Khasi Hills District	9612106423	MSW 3RD
CAMELIA WAHLANG	Female	Nongthymmai	7628962737	BSW 3RD
Elza Tiffany Lamare	Female	Mawlai Mawroh Umsokhlur , Shillong	9863099414	BSW 3RD
PHIBANSARA NONGKHLAW	Female	Upper Lumparing	8798963771/ 9089664906	BSW 1ST

Lamneihat Chongloi	Male	Jangnoi Village, Kangpokpi, Manipur	9362836987	OTHERS
P.WAPHIRA.SYLVANA.HADEM	Female	Upland Road Laitumkhrah Shillong	7005180883	BSW 3RD
SNIAWDAME SATEIN	Female	Madankynsaw mawkyndeng west jaintia hills	9863447104	BSW 1ST
STREAMLET	Female	Mawlai Mwdatbaki, Umjan	8256931826	BSW 3RD
PHIBAKORDOR WAR	Female	Lumdiengjri	6009843559	BSW 3RD
WADARIMI LONA	Female	Pohkseh North IV	7627968333	BSW 1ST
DANIELLA EZME THABAH	Female	Jaiaw, Lumdiengjri	9366245192	BSW 1ST
LAKSHYAA SHARMA	Male	Oakland	9774603356	OTHERS
TAGE MAMMU	Female	Nongrim hills	8258934782	OTHERS
Emiki Dabiang Shadap	Male	Laitumkrah	8638388090	BSW 1ST
LANYA SHITHUNG DANG	Female	Lower Nongrim hills	9362084413	BSW 1ST
MAVARIENE R. KHARLYNGDOH	Female	Mawlai mawtawar	8258084302	BSW 5TH
Natalie.N.K.Marbaniang	Female	Riatsamthiah, Mawkharr	8575021548	BSW 1ST
KHRAWKUPAR ROYWAN	Male	MAWLAI MAWROH	9362067897	MSW 3RD
ELIZABETH RAMHMUNMAWII	Female	Madanryting Block-C	7085887526	BSW 1ST
VIRGINIA DHAR	Female	Mawlai umjaiur	7085371949	OTHERS
AIOMBAIAR NENGNONG	Female	Jaiaw	8732079318	BSW 3RD
Juliana Mary Thabah	Female	Mawlai sylaikariah	+919362068201	BSW 3RD
VERNADINE JYRWA	Female	Lama-villa	6909908042	BSW 1ST
KMENLANG SUJA	Female	Auxilium Nongthymmai	8974709803	BSW 3RD
MAYURI REANG	Female	Lower rynjah, Shillong	8974100382	BSW 1ST
DAMEWAN BAREH	Male	Mawlai Nonglum	6009113636	OTHERS
Priyanka Kangjam	Other	Lummawrie, Laitumkhrah	+919319844938	MSW 3RD
Bharilang Kshiar	Female	Nongthymmai	8794932486	BSW 5TH
BANAM ADOR MAJAW	Male	Laitlyngkot	8787643202	BSW 1ST
NIANGSAWCHING SAMTE	Other	Lapalang, Shillong	9378008558	BSW 5TH
SHELLY NONGBSAP	Female	Wahingdoh	8415933436	BSW 1ST
Wanda	Female	Jingkieng nongthymmai	09612533623	OTHERS
JATTAN CHAKMA	Male	Nongthymmai, shillong	9362042223	OTHERS
JOLISHA SUTING	Female	Jongksha	9362827985	BSW 3RD
POONAM RAY	Female	Lower lachumiere , Shillong-793001	6033096765	BSW 5TH
NAFINIA MARWEIN	Female	LAITUMKHRAH (serene haven hostile)	8798723572	BSW 1ST
Saljagring.D. Sangma	Male	Nongthymmai	7629097573	BSW 1ST

FERLYNIA KHARKONGOR	Female	Laitkor Rngi	9774157782	BSW 1ST
Vineet Surana	Male	Lower mawprem	9353870722	OTHERS
RITILIN NONGRUM	Female	Nongthymmai	0873 196 4857	OTHERS
Anna Manar	Female	Holy Cross Villa Red Hill Road Laitumkrah Shillong	9863288108	BSW 3RD
Shillong	Female	Mawlai (Nongkwar)	8415835962	BSW 1ST
SHIDALIN BASAIAWMOIT	Female	Nongmynsong	9362172968	BSW 3RD
PRAGATEE NEWPANE	Female	Laban	7641034979	OTHERS
YAMAYA LAMARE	Female	Lumparing mynsaiñ	6909947842	BSW 1ST
EVANZARA L MARSHILLONG	Female	Lower Mawprem Shillong	9774298859	MSW 3RD
FORBEARANCE LYTING	Female	Nohron	6009329022	MSW 3RD
Donkupar Rimiat	Male	Mawdet Rambrai West Khasi Hills	9612664392	MSW 3RD
Sanwini Rymbai	Female	Laitumkhras	7642026809	BSW 5TH
ANISHA DAPHI KHARSHIING	Female	Mawlai Mawdatbaki	8257941484	BSW 3RD
Ibalahun Marpna	Female	Mission compound shillong	8258963725	BSW 3RD
BIOLA LYNGDOH PEINLANG	Female	Mawroh	9612946088	MSW 3RD
Ninistar Pala	Male	Mawpat	6009692175	OTHERS
DEKSTAR KHARLYNGDOH	Male	Nongstoin	9362682211	BSW 3RD
JOYCEE MARY MARBOH	Female	Nongthymmai	9612938143	OTHERS
LALROTLUANGI	Female	Nongrim Hills, Shillong	8794975115	MSW 3RD
MELBINSTAR L MAWNAI	Male	Malki	7550152573	BSW 3RD
Delira Sympli	Female	St. Margaret's convent	9863072903	BSW 3RD
Rilinsha Marbañiang	Female	Umtyngngar	8837328428	BSW 1ST
BARRY WANKUPAR S. WAHLANG	Male	Malki	8415921006	BSW 3RD
THIRDA LYNISHING	Female	Pohkse	9402326672	BSW 3RD
LAPYNISHAI RIPNAR	Female	Malki (kharmalki)	9612798380	BSW 1ST
OLIVIA GRACE KHARKRANG	Female	Laitumkhras	9362915568	BSW 3RD
Linthoingambi Yumnam	Female	St. Edmund's Woma's Hostel, Laitumkhras	9362318224	OTHERS
HAPHILAKHAMTI MATONG	Female	Motinagar	6909051653	BSW 1ST
GRACEFULNESS DKHAR	Female	Pohkse east	9366860019	MSW 3RD
MEDONLEM RAPSANG	Male	Laitumkhras	6009908904	BSW 5TH
ASHNA ANUWARA RAJKHOWA	Female	Shillong	9101842373	BSW 5TH
JONATHAN THABAH	Male	Sunny hill	6033161287	BSW 3RD

DAKERMIKA SWEETY SHYLLA	Female	Nongshilliang Nongthymmai Shillong	9366031731	MSW 3RD
IUMIKI SAYOO	Female	Byrwai East Jaintia Hills	9366796561	MSW 3RD
DAPHIWANPLI SHADAP	Female	Golfink, Shillong	8731016169	MSW 3RD
CHUINGAMWON AT	Female	Laitumkhrah	9863093941	BSW 1ST
PYNROIIAKI PYNGROPE	Female	Umpling, Shillong	8730910064	BSW 1ST
Yvonne Vanlalvenpuii	Female	Nongthymmai Shillong	8794178379	BSW 1ST
EDANIAS NONGBRI	Female	Malki	9362317331	BSW 3RD
SUKKIDAWANKA MAWLONG	Female	Umtrew	7628942105	BSW 1ST
laikyntiew Kurbah	Female	7th mile upper shillong banuin	9362229420	BSW 3RD
SHARAILIN PYNGROPE	Female	Umphrup	8794214361	BSW 3RD
PHAIMIDEIMAIA DHAR	Female	Mawpat Nongkynjoiñ	8415962242	BSW 3RD
Enrichson Lyngdoh Mawphlang	Male	Mylliem, Madan Ing Syiem	7005468456	OTHERS
HAMESHA SURONG	Male	Umlyangka 3rd Mile	8132098165	BSW 3RD
JAYRISH SINGH ACHOM	Male	Jingkieng Springside	8732031001	OTHERS
PHIBAAIPURA BEHPHAT	Female	Nongshken	8258878072	BSW 3RD
DATHRANG IKA MURUH	Female	NIRIANG, WEST JAINTIA HILLS DISTRICT, JOWAI, MEGHALAYA	7005369413	BSW 1ST
Daniel L Hrangkhawl emth	Male	Demthring	7085262149	OTHERS
LASANDAKIRU LYNGDOH	Female	Wahiajer west jaintia hills	6909678599	BSW 3RD
ALETHEA SALANDAKANI DIENGDOH	Female	Lower Mawprem Sngithiang	+917005300588	BSW 5TH
EMIBA THABAH	Female	Nongthymmai	8415951377	BSW 5TH
KABITA SHARMA	Female	Laban	9863197963	OTHERS
TANISHA RYMBAI	Female	Lummawrie, laitumkhrah, Shillong, 793003	8135040232	BSW 3RD
IBASHISHA LAKHMIE	Female	Pynthorbah, block -1	9485166206	BSW 3RD
GIFTY GRACE .N. SYIEM	Female	Lawsotun Block-2	9863189098	BSW 3RD
HIDAM LINDA DEVI	Female	Jiribam, Manipur	9863560154	OTHERS
JESSICA MALNGIANG	Female	3rd Mile Upper Shillong	9863147017	BSW 3RD
PHIBATRITI MARBANIANG	Female	Marbaniang Umseiniong	8415902037	BSW 5TH
SAGAR THAKUR	Male	Shillong, umsav	8731036459	OTHERS
IBANSARA SURONG	Female	Mawlai Sylliakariah, Block 4	8729866615	BSW 1ST
IOHLYNTI MALAI	Female	Nongrimhill	8132062286	BSW 3RD
AITISHA NONGRUM	Female	NONGRIM	8974342687	BSW 3RD
JENITIFULL MARSHIANGBAI	Female	POLO	9863806905	BSW 3RD

IA I BANRISHA LYNGDOH	Female	Laitumkhrah	7085253851	BSW 1ST
CONSENT. M. PALE	Male	Nongmensong, Umkdait	8415024745	BSW 1ST
Eukratis Sohtun	Female	Umsaw, Myllem	9612675513	BSW 3RD
TANVI FARZEEN	Female	Motinagar, Near Fire Brigade	9954938865	BSW 3RD
JOEL GRIFFIN PATHAW	Male	Mawlai Mawdatbaki	8794530766	BSW 1ST
CAMILLA NONGRUM	Female	Ladnongkrem, kynton-u-mon.	9366793614	BSW 3RD
Darihunlang Nongsiang	Female	Laitumkhrah	9863135876	BSW 3RD
Kitborlang Dkhar	Male	Mawpdang, New Shillong	8837223319	BSW 3RD
LUCKYCIA EVENICA KHARLONG	Female	Mission Compound	9774841208	BSW 3RD
Abigail Nongrum	Female	Laitumkhrah	+916009455639	BSW 3RD
NA-I-YNBIANG NONGBSAP	Female	Nongumlong 3 mile Upper Shillong	9366362277	BSW 1ST
GIIANNA NONGRUM	Female	Malki kharmalki	9774807422	BSW 3RD
SHEBAREEN NONGRUM	Female	Lum-ba-tngen, Law-u-sib ,Pohskeh, Shillong	8014273514	BSW 5TH

A Report on Value Added Course

Topic: 'Application of Book-keeping & Accounting'

Date: 22nd August to 27th August, 2022

Time: 1:45pm to 2:45 pm

Venue: The Department of Commerce, St. Edmund's College, Shillong

No of participants: 81

xx

The aim of the course was to impart the basic accounting knowledge on book-keeping and accounting to the participants and the application of the subject in their daily life.

The entire course was designed and divided into different topics and the classes were taken by the faculty members of the Commerce Department.

The resource persons were Prof. Goutam Deb (HOD), Dr. Dipankar Shome and Prof. Ruchita Chakraborty and the course was attended by students from the departments of Commerce, BSW and BCA .

The participants were involved actively in problem solving, in group discussion , in MCQ test followed by questioner session. The participants were provided with study materials on relevant topics.

The objectives of the Value Added Course are achieved after receiving positive response through feedback from the participants and this motivated us to organise more such programmes in future and which would benefit the students immensely.

Program Schedule

22 nd August 2022 , Time:- 1:50 pm: Inaugural session

Speech by the Guests

27nd August , Time:- 2:50 pm: Valedictory Session

Date	Timing	Topics	Resource Person
22 nd August,2022	1:45pm-2:45pm	Basics of Accounting	Prof. Goutam Deb
23rd August,2022	1:45pm-2:45pm	Journal entries and Ledger Accounts	Prof. Goutam Deb
24 th August,2022	1:45pm-2:45pm	Cash Book	Dr. Dipankar Shome
25 th August,2022	1:45pm-2:45pm	Subsidiary Books	Dr. Dipankar Shome
26 th August,2022	1:45pm-2:45pm	Receipts & payments; Payments	Prof. Ruchita Chakraborty
27 th August,2022	1:45pm-2:45pm	Income & Expenditure Accounts	Prof. Ruchita Chakraborty

Prof. Goutam Deb, Dr. Dipankar Shome
and Prof. Ruchita Chakraborty.

(Organizing faculty)

Goutam Deb
(Head, Department of Commerce, SEC)

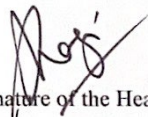
REPORT FOR THE VALUE ADDED COURSE CONDUCTED

1. NAME OF THE DEPARTMENT: Computer Science
2. TITLE OF THE PROGRAMME: Value Added Course on "Basic Statistics for Data Analysis"
3. NAME OF THE RESOURCE PERSON: Mr. Bertrand Dkhar
4. NAME OF THE ORGANIZING FACULTY: Mr. Bertrand Dkhar
5. DATE: 14th March - 19th March, 2022
6. TIME: 2:30 pm - 3:30 pm
7. VENUE (IF OFFLINE): Computer Science Laboratory, St. Edmund's College.
8. MODE: OFFLINE
9. PLATFORM: N/A
10. LINK (if online): N/A
11. NO OF PARTICIPANTS:

STUDENTS: 25

12. OUTCOME OF THE PROGRAMME: At the end of the course, the students were able to: -
 - a. Understand the importance of Data Science.
 - b. Understand the types of variables while gathering data points for an experiment/study
 - c. Use measures of central tendency (mean, median and mode) and measures of dispersion (variance and standard deviation)
 - d. Normalize data points using min-max, decimal scaling and z-score techniques
 - e. Compare and contrast between Correlation Analysis and Regression Analysis with practical real world examples.


(Signature of the Organizing faculty)


(Signature of the Head)

REPORT FOR THE VALUE ADDED COURSE CONDUCTED


1. NAME OF THE DEPARTMENT: Computer Science
2. TITLE OF THE PROGRAMME:" BASIC COURSE ON WEBDESIGN USING HTML \$ CSS
3. NAME OF THE RESOURCE PERSON:Preeti Thapa, Asst Prof, Dept of Computer Science
4. NAME OF THE ORGANIZING FACULTYPreeti Thapa, Asst Prof, Dept of Computer Science
5. DATE: 01.11.2021 to 05.12.2021
6. TIME: 1:30pm to 2:30pm
7. VENUE (IF OFFLINE): -
8. MODE:ONLINE
9. PLATFORM: Google Meet
10. LINK (if online)<https://meet.google.com/kvw-ezqi-hpv>
11. NO OF PARTICIPANTS:16

STUDENTS:

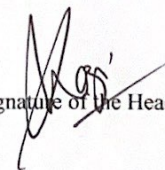
LIST OF STUDENT PARTICIPANTS				
Serial No	Name	Semester	Stream	E-mail ID
1	SILDORA DOHLING	Third semester	Social work	slidoradohling@gmail.com
2	Aniket Dey	3rd Semester	Political Science	aniket16dey@gmail.com
3	Celestial Shadap	1st semester	Economics	celestialshadap03@gmail.com
4	SDANGMINAKA SUJA	3rd Semester	ECONOMICS	sdangminakasuja@gmail.com
5	Krishna Sharma	1st Semester	Economics	krishnasharma4952@gmail.com
6	Ngamminhao Lungdim	1Semester	Economics	lhungdimngamminhao@gmail.com
7	Rebelson Umsong	5th Semester	Khasi	umsongrebelson@gmail.com
8	Tony M Sangma	1st semester	Economics	Tonysangma123go@gmail.com
9	Risalangki Suiaim	1st semester	Economics	risasuiaim02@gmail.com
10	Aibahunki Suchiang	3rd Semester	Social work	aibasuchiang@gmail.com
11	AIBANSHAI PYNGROPE	3rd semester	Economics	aibanshaipyngropeahc@gmail.com
12	Phaimideimaia Dhar	1st Semester	Bachelor of Social Work (BSW)	phaimidhar@gmail.com
13	PRINCE PRIYAM	3rd Semester	Social Work	prince.priyaminfo@gmail.com
14	Stanly M kharmawphlang	3rd Semester	Geography	stanlymarbiang2002@gmail.com
15	Barsa Yadav	5th Semester	Political Science	Barsayadav16@gmail.com
16	Rikyntilang Lyngdoh	3rd Semester	Social work	lyngdohrikyntilang@gmail.com

12. OUTCOME OF THE PROGRAMME

After the completion of the the course the students wereable to useHyper Text Markup Language for creating web pages and web application.It also gave them basic idea about CSS which is the language use to style an HTML document.CSS which describes how HTML elements should be displayed



(Signature of the Organizing faculty)



(Signature of the Head)

REPORT FOR THE VALUE ADDED COURSE CONDUCTED

1. NAME OF THE DEPARTMENT: Computer Science
2. TITLE OF THE PROGRAMME: Value Added Course on "Introduction to Algorithmic Thinking and Programming"
3. NAME OF THE RESOURCE PERSON: Mr. Bertrand Dkhar
4. NAME OF THE ORGANIZING FACULTY: Mr. Bertrand Dkhar
5. DATE: 20th October - 30th October, 2021
6. TIME: 6:00 pm - 6:45 pm
7. VENUE (IF OFFLINE): N/A
8. MODE: ONLINE
9. PLATFORM: Zoom
10. LINK (if online):

Date	Zoom Link
20.10.21	https://us04web.zoom.us/j/78825538951?pwd=OXU0Zk9WbVpGOUx1eHV1ZFRSVDI4UT09
21.10.21	https://us04web.zoom.us/j/71532416818?pwd=cm55bnpRU3p2WHVZc01ERllrNUFZZz09
22.10.21	https://us04web.zoom.us/j/73424940793?pwd=ODUyMnRvYmsyUGJQdmN6cnNQeEEwZz09
23.10.21	https://us04web.zoom.us/j/79155361139?pwd=Vm9uR0J2dDArQjhhVQjdRVGZsWjFUQT09
25.10.21	https://us04web.zoom.us/j/79050626813?pwd=dkNaeGRBTmxIMVN5V2s4bWJZb1FKdz09
26.10.21	https://us04web.zoom.us/j/71215683024?pwd=QVNzcnpWMTkraGZ5azBxTGZpWUNmdz09
27.10.21	https://us04web.zoom.us/j/76778741097?pwd=eTViY1crWEIxY3dHdnIVQkg3bnhTUT09
28.10.21	https://us04web.zoom.us/j/76084131763?pwd=SGI1ZDQ4enFiczA4STk1RIN3UTNLdz09
29.10.21	https://us04web.zoom.us/j/75093381581?pwd=aHptaWZURZZFpJbGlxcmxOSVBjdz09
30.10.21	https://us04web.zoom.us/j/79606680730?pwd=cmxVeXg1NmVXckVNcDNrUTFtbWF1UT09

11. NO OF PARTICIPANTS: 26 students

12. OUTCOME OF THE PROGRAMME: At the end of the course, the students were able to: -

- a. Understand the need for algorithms as well as how to write effective algorithms for small problems.
- b. Translate algorithms into flow charts.
- c. Program in the C language for the following basic operations:
 - i. Taking user input
 - ii. Making decisions using if-else
 - iii. Looping/repeating program statements using for and while loop constructs
 - iv. Compartmentalise programs into user-defined functions

(Signature of the Organizing faculty)

(Signature of the Head)

REPORT FOR THE VALUE ADDED COURSE CONDUCTED

1. NAME OF THE DEPARTMENT: Computer Science
2. TITLE OF THE PROGRAMME: Installing Linux on Virtualbox and a tour of essential commands
3. NAME OF THE RESOURCE PERSON: Jeremy Kharchandy
4. NAME OF THE ORGANIZING FACULTY: Jeremy Kharchandy
5. DATE: 16-11-2021 to 22-11-2021
6. TIME: 8:00 AM - 8:45 AM
7. VENUE (IF OFFLINE):
8. MODE: Online
9. PLATFORM: Google Meet on Windows 10; Virtualbox
10. LINK (if online):

Date	Link
16-11-2021	https://meet.google.com/zex-phuw-tjz
17-11-2021	https://meet.google.com/vec-tchf-ypn
18-11-2021	https://meet.google.com/pdy-scas-dxe
19-11-2021	https://meet.google.com/wmm-sixe-uic
22-11-2021	https://meet.google.com/rzt-yzft-crq

11. NO OF PARTICIPANTS: 13

STUDENTS:

Sl. No.	Name	Roll No.	Dept.
1.	Aaradhya Pandey	049 / P1900139	B.C.A.
2.	Alisa N. Lyngdoh Nonglait	21/BCAS/011	B.C.A.
3.	Anushka Gurung Sherpa	21/BCAS/ 002	B.C.A.
4.	Beki Rabha	19ELEC/116	Electronics
5.	Guidingstar Sohphoh	153	Computer Science
6.	Jethro Jarvis Roy Jyrwa	21/BCAS/042	B.C.A.
7.	Mebanshan Jitem	101	Electronics
8.	Ngangam Haolai	P2000113	B.C.A.
9.	Nikita Ghosh	31	B.C.A.
10.	Paskal Tympuin	33	B.C.A.
11.	PC Lalremmawia	19/PHYS/515	Physics
12.	Sanjay Pal	21BCAS022	B.C.A.
13.	Sheetal Chettri	10	B.C.A.

12. OUTCOME OF THE PROGRAMME:

The introductory class began with the origins of Linux, its popular areas of use and then opened out into a discussion of the different Linux distributions and their main features/differences. There was a look into the advantages of Linux itself and a discussion of what open-source software is.

The second class introduced students to Virtualbox. They were instructed on where to obtain the installation files from, how to install and customise Virtualbox.

The third class demonstrated the Linux installation process on Virtualbox. Virtualbox was chosen since it was felt that students may have apprehensions about crashing their computer systems when attempting a native install on an actual hard disk partition. The students were first introduced to .iso files and where to obtain Linux .iso files for their distro of choice. The entire installation process was suitably adapted in order to maintain the pace of instruction.

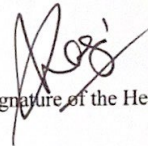
The fourth class introduced Virtualbox Guest Additions and the added capabilities it offered.

The last class demonstrated software installation in Linux both in graphical and text-based modes. There was then a brief introduction to the most basic but essential Linux commands for use in a terminal; these covered commands like mkdir, cd, man, free, find, tree, vi, gcc, javac etc.

The students showed interest in the course and they expressed a willingness to try out the installation process themselves; the demo sessions were recorded and the links to these were given to the participants.



(Signature of the Organizing faculty)



(Signature of the Head)

REPORT FOR THE VALUE-ADDED COURSE CONDUCTED

1. NAME OF THE DEPARTMENT: Computer Science
2. TITLE OF THE PROGRAMME: " BASIC COURSE ON LIBRE OFFICE CALC(EXCEL)"
3. NAME OF THE RESOURCE PERSON: Preeti Thapa, Asst Prof, Dept of Computer Science
&
Jeremy Kharchandy, Asst Prof, Dept of Computer Science
4. NAME OF THE ORGANIZING FACULTY Preeti Thapa, Asst Prof, Dept of Computer Science
&
Jeremy Kharchandy, Asst Prof, Dept of Computer Science
5. DATE: 23.03.2022 to 28.03.2022
6. TIME: 1:30pm to 2:30pm
7. VENUE (IF OFFLINE): Computer Science Department Lab
8. MODE: OFFLINE
9. PLATFORM: - -
10. LINK (if online)
11. NO OF PARTICIPANTS: 30

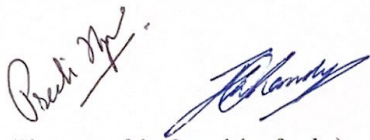
STUDENTS:

Serial No	FULL NAME	Email ID	SEMESTER	STREAM
1	Disaka Sungoh	disakasungoh174@gmail.com	6	BSc Chemistry
2	Electra Kashyap	electrakashyap@gmail.com	4th	BSc Chemistry
3	Anurag Paul Choudhury	bhupeshpaul49@gmail.com	4	Chemistry
4	Ayushmi Kashyap	ayushmikashyap16@gmail.com	4th Semester	BA Sociology
5	Sumana Sarkar	1910sumanasarkar@gmail.com	2nd semester	BSc Computer science
6	PAMPI SONOWAL	pampipam09@gmail.com	4th	BSc Chemistry
7	Daniel Wonder Kharpran	dani.kharpran@gmail.com	4th semester	Bsc Physics
8	Maphibanri Nongkhar	maphibanri24@gmail.com	4th Semester	BSc. Mathematics
9	Ilarishisha Marbaniang	marbaniangila123@gmail.com	6th semester	Bsc Mathematics
10	OBESTAR K DEWSAW	obestarkdewsaw@gmail.com	4th Semester	BSC,CHEMISTRY
11	Happiness Dikhar	happinessdkhar14@gmail.com	6th semester	Bsc Mathematics
12	Dopmikordor War	dopmikordorwar@gmail.com	6th	Bsc physics
13	Celestial Shadap	celestialshadap03@gmail.com	2nd Semester	B.A. Economics
14	Kwi Langstang	kwilangstang@gmail.com	6th semester	BSC Mathematics
15	Mebanphira Phawa	mebanphawa11@gmail.com	6th semester	Bsc Mathematics
16	Meenakshi Barik	meenakshibarik646@gmail.com	4th semester	BCA
17	R Bamelari L Nonglait.	bamelarinonglait@gmail.com	IV	BSc Chemistry.
18	PC Lalremmawia	remmawiapachau3@gmail.com	6th Semester	BSC Physics
19	Sharmynrap Biam	sharmynrapb@gmail.com	2nd semester	BA economics
20	Syrpailin Suchiang	syrpailinsuchiang@gmail.com	6th	BSC Chemistry
21	S. Ginneo Kipgen	Lamkhosatkkipgen@gmail.com	2nd semester	BA Sociology
22	Afia Zaheen Bora	afiazaheenbora@gmail.com	4th	Ba Sociology
23	WANPYNDAPBIANG MARNGAR	wmarngar2001@gmail.com	2ndsemester	BA
24	Mildaris Syiemiong	mildarissyiemiong@gmail.com	4th semester	Bsc Mathematics
25	SARA QUEEN WANKHAR	saraqueen109wankhar@gmail.com	4th	B.Sc Mathematics
26	Mismita Datta	dattamismita@gmail.com	4th	Physics
27	Naome Lalremkimi	naomelalremkimi@gmail.com	4th	BA sociology
28	Festerson Lyngdoh	festmelo05@gmail.com	4th Semester	BSc Chemistry
29	Asmita Kilikdar	asmitakilikdar2001@gmail.com	4th	BSC Zoology
30	Jitender-singh	Singhjitender102@gmail.com	2nd	B.A Economic's Hons
31	Heisadaka Syrti	heisadaksyrti16@gmail.com	4th semester	Bsc Mathematics

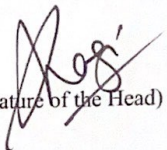
12. OUTCOME OF THE PROGRAMME

After the completion of the course the students were able to:

- Control the viewing of spreadsheets with freezing and splitting features of Calc
- Dynamically emphasize data in spreadsheet using conditional formatting
- Organize, group, and sort data in a spreadsheet
- Create and apply filters to extract information from a spreadsheet
- Generate charts from data using the Chart wizard



(Signature of the Organizing faculty)



(Signature of the Head)

PROGRAMME: Value added course
Basic Electronics Module I
 PARTICIPANTS: BSc Electronics Degree students (INHOUSE)
 VENUE: DEPARTMENT OF ELECTRONICS
 ST. EDMUND'S COLLEGE,
 DATE: 3TH - 8TH August 2022

The Department of Electronics conducted a Value Added Course on “**Basic Electronics Module I**” for **Electronics Major** students of 1st, 3rd and 5th semester. The whole program was coordinated by Dr H. C. Medhi

The Program was planned for five days starting from the 3th of August, 2022 till 8th of August of 2022. It was conducted for three hours every day. The program detail is as shown below.

DAY 1 : (3RD OF AUGUST)	
INTRODUCTORY LECTURE 15MIN	
SESSION: I: TIME: 2 TO 3PM	
NAME OF THE SPEAKER	TOPIC
PROF. SOUMEN CHAKRABORTY	ELECTRONICS PASSIVE COMPONENTS
SESSION: II: TIME: 3 PM TO 5PM	
	TOPIC
PROF. SOUMEN CHAKRABORTY	IDENTIFICATION AND TESTING OF COMPONENTS

DAY 2: (4TH OF AUGUST)	
SESSION: I: TIME: 2 TO 3PM	
NAME OF THE SPEAKER	TOPIC
PROF. K. CHAKRABORTY	MAKING BREAD BOARDS CONNECTION
SESSION: II: TIME: 3 PM TO 5PM	
	TOPIC
PROF. K. CHAKRABORTY	HANDS-ON MEASURING INSTRUMENTS

DAY 3 : (5TH OF AUGUST)	
SESSION: I: TIME: 2 TO 3PM	
NAME OF THE SPEAKER	TOPIC
DR. D. ROYCHOUDHURY	ELECTRONIC'S ACTIVE COMPONENTS
SESSION: II: TIME: 3 PM TO 5PM	
	TOPIC
DR. D. ROYCHOUDHURY	IDENTIFICATION AND TESTING OF COMPONENTS

DAY 4: (6TH OF AUGUST)	
SESSION: I: TIME: 2 TO 3PM	
NAME OF THE SPEAKER	TOPIC
PROF. B. P. THANGKHIEW	IDENTIFICATION OF DIGITAL IC
SESSION: II: TIME: 3 PM TO 5PM	
	TOPIC
PROF. B. P. THANGKHIEW	VERIFYING DIGITAL LOGIC CIRCUITS IN BREAD BOARD

DAY 5 : (8TH OF AUGUST)	
SESSION: I: TIME: 2 TO 5PM	
NAME OF THE SPEAKER	TOPIC
DR. H. C MEDHI	MAKING OF ELECTRONICS CIRCUITS AND TESTING



St Edmund's College

Department Of Electronics

Value Added Course
on Basic Electronics
(Module I)



Only for
BSc Electronics
Students



OFFLINE
Date: 3 August 2022 - 8 August 2022
Time: 2-5 PM

VENUE:
Department of Electronics
Laboratory.



[CLICK TO REGISTER](#)



PICTURES



Conclusion:

The Value added course on “**Basic Electronics Module 1**” was designed to address the knowledge on the basics and fundamentals of Electronics which includes, understanding of active and passive electronic components, assembling of electronic circuits, testing of the components and circuits using electronic instruments and assembling of electronic circuits in PCB which can be taken as the final outcome of the entire program. The program was completed successfully on schedule. The members of the department working as team gave their utmost effort in their respective session. The feedbacks from the students were very satisfying. They have expressed their gratitude about the effort made by the Department to enhance their confidence and shared their desire to attend more such VAC. The program has improved their understanding of the subject and gave the must necessary lift.

Dr Hemen C. Medhi

Program coordinator

Value Added Course

on

Basic Electronics Module 1

PROGRAMME: Value added course
INTRODUCTION TO ARDUINO (MODULE 1)
PARTICIPANTS: BSc Electronics Degree students (INHOUSE)
VENUE: DEPARTMENT OF ELECTRONICS
ST. EDMUND'S COLLEGE,
DATE: 16TH - 26TH August 2022

The Department of Electronics conducted a Value Added Course on "**Introduction to Arduino (Module 1)**" for **Electronics Major** students of 1st, 3rd and 5th semester. The whole programme was planned and coordinated by Prof Bawan Pyntngnlang Thangkhiew .

The Programme was planned for ten days starting from the 16th of August.2022 till 26th. August 2022 . The Programme was conducted for about one and half hours duration every day. The detailed program is shown below.

SESSION: I: TIME: 2-3:30 PM (Day 1 & Day 2)		
NAME OF THE TEACHERS	DATE & DURATION	TOPICS
Prof. B P Thangkhiew	16 th .Aug.2022- 17 th .Aug.2022 Duration: 3 hours	1.Introduction to microcontrollers and arduino boards. 2.Introduction to Arduino IDE . 3.Demo programs and familiarization to Arduino programming.
SESSION: II: TIME: 2-3:30 PM (Day 3 & Day 4)		
Dr. Dhruba Roy Choudhury & Prof. Soumen Chakraborty (day 3 and day 4)	18 th .Aug.2022- 20 th .Aug.2022 Duration: 3 hours:	1. LEDs theory and applications 2. LEDs currents and voltages 3. Practical Series and parallel connections for resistors and calculations. 4.Potentiometer connection. 5.Voltage divider using LDR. 6.Current divider . 7.Breadboard connections.
SESSION: III: TIME: 2-3:30 PM (Day 5 & Day 6)		
Prof. B P Thangkhiew	22 nd . Aug.2022- 23 rd . Aug.2022 Duration: 3 hours	Hands on session 1.Blinking an inbuilt LED, external LED, Fading a LED. 2.Reading analog voltages.. 3.Controlling a LED using LDR
SESSION: IV: TIME: 2-5 PM (Day 7)		
Prof. Kishore Chakraborty & Dr H C Medhi	24 th . Aug.2022- Duration: 3 hours	1.Switches types and uses 2.Motor types and their construction 2.Switching Circuits . 4.Relay construction & circuits
SESSION: IV: TIME: 2-3:30 PM (Day 8 and Day 9)		
Prof. B P Thangkhiew	25 th .Aug.2022- 26 th .Aug.2022- Duration: 3 hours	Hands on session 1.Serial communication 2.Controlling a motor using a IR sensor & using an Ultrasonic sensor 3.Controlling a Relay 4.Introduction to Arduino Shields 5.Summary,feedback, interaction & Exams.



St Edmund's College

Department Of Electronics

(In collaboration with IQAC)

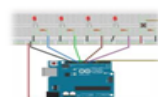
INTRODUCTION TO ARDUINO. (Module 1) Value Added Course



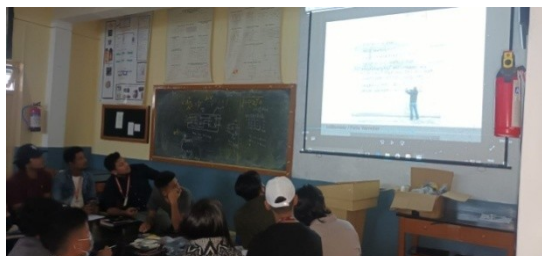
**Registration only for
BSc Electronics students
[All semester]
(No prerequisite)**



**Date: 16-August-2022 to 26-August-2022
Time: 2 PM - 3:30 PM -
VENUE:
Department of Electronics
Laboratory.
Coordinator : B P Thangkhiew
8794882274**



CLICK TO REGISTER



Conclusion

The VAC on Introduction to Arduino (Module 1) was an attempt by the department to give the students of the department a brief yet strong background about Arduino as a microcontroller, how to program it and make necessary hardware connections. This VAC has been designed to make students understand about the various ways by which an external device/sensor can be program and depending on parameters, to sense the analog world, thereby bringing in a deep understanding about actual control of a device via programming. The students were encourage to make their own circuits and introduce changes in the circuits/programs as per their understanding. A test was also conducted to check the their understanding which showed that the students has grasped the knowledge about basics of Arduino programming and in the process of learning the students had also gained problem solving skills which is the need of the hour and will help them in the long run .

Bawan Pyntngenlang Thangkhiew

Program coordinator

Value Added Course

on

Introduction to Arduino

(Module 1)

Short-Term Course on Vermicomposting Technology for Waste management

The Department of Environmental Science, St. Edmund's College is conducting a Six months certificate course on Vermicomposting Technology for Waste management for the year 2021-22.

Enhanced skill for production of vermicompost is an add-on to their knowledge and skill set. Scope is for Self-Employment with very little or no investment. On completion of this course, students will be able to produce vermicompost and self-employed.

Aims and Objectives:

- Able to explain the need and concept of eco-friendly technology
- Production of useful products like vermifertilizers or nutrient rich compost
- Helps in reducing the amount of organic wastes

List of Students enrolled:

Sl. No.	Name
1	Kevin Thubru
2	John Robert Dkhar
3	Enzanglule
4	Rikideiburom Rabon
5	Manroilmon Rymbui
6	Chingyami Ragui
7	Biwel Binong
8	Rizio D Shira
9	Pricilla Darngawn
10	Sirmin Khanam
11	Wandanga Nonglang
12	Mayanglambam Stalin Singh
13	Easter Niangnunnem
14	Badeibiang Mawblei
15	Deibha Kyndiah
16	Sophia EvendaNongrum
17	Shemlad Suchiang
18	BameaiLyngdoh Marshillong
19	Donboklang Rynjah

20	Stephen Hillary Nonglait
21	Punit Basumatary
22	Gelory Lalhruitluangi
23	Kironthung A Murry
24	Mayanglambam Kunjeshwori Devi
25	Neharica Malakar
26	Arati Gurung
27	Debashish Patgiri
28	Jerome LalhunlawmawmaKhawlhing
29	Pynkhrehkloi Marbaniang
30	Lucky G Momin
31	Yungrei Kasomwoshi

List of Resource Person

1	Dr. J. T. Sawian
2	L. Jeengaph
3	E. Sumer

Flyer

SHORT-TERM COURSE ON

VERMICOMPOSTING TECHNOLOGY FOR WASTE MANAGEMENT

Department of Environmental Science
ST. EDMUND'S COLLEGE, SHILLONG

**SIX MONTHS CERTIFICATE
COURSE FOR THE YEAR**
2021-2022

Registration fee: ₹ 100

AIMS AND OBJECTIVES:

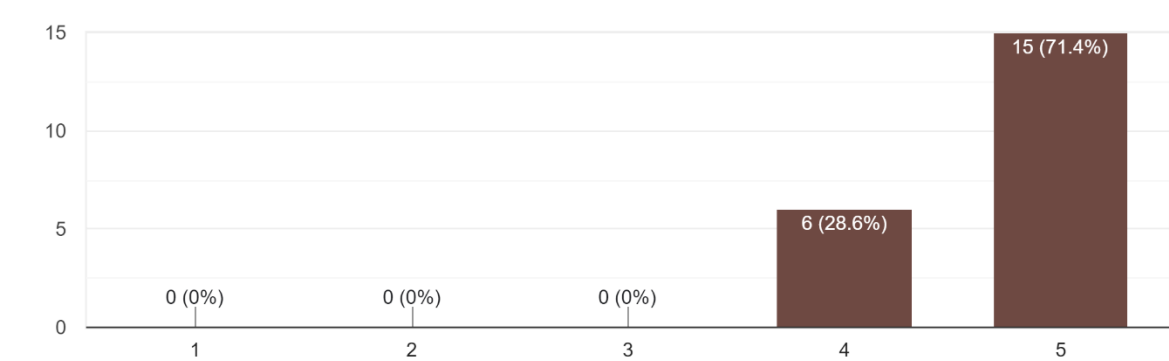
- ABLE TO EXPLAIN THE NEED AND CONCEPT OF ECO-FRIENDLY TECHNOLOGY
- PRODUCTION OF NUTRIENT RICH COMPOST
- REDUCE THE AMOUNT OF ORGANIC WASTES

Enhanced Skill for production of vermicompost
Self-employment with very little or no investment.

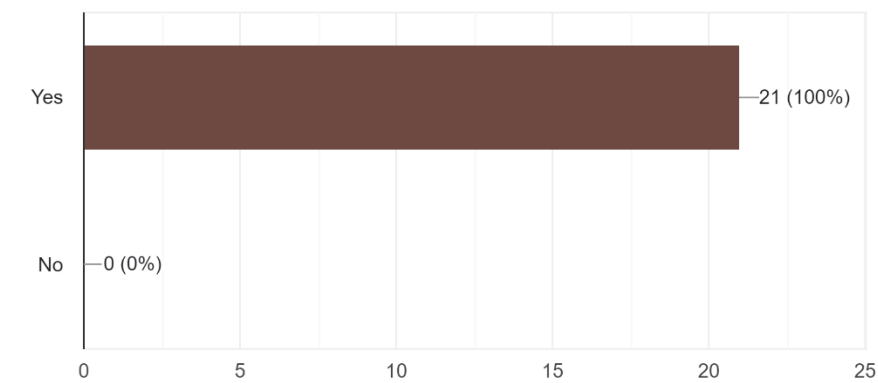
Contact details:
9862212336
9863018917
Email: evs.sec07@gmail.com

Feedback of the course:

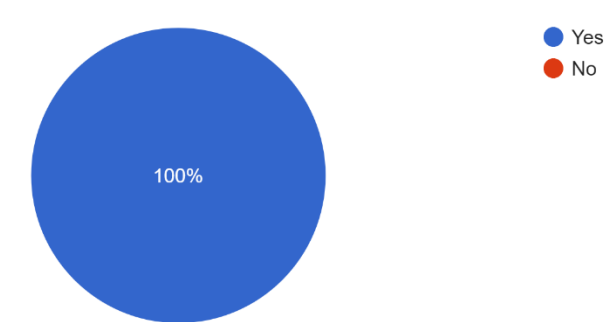
How satisfied were you with the course?
21 responses



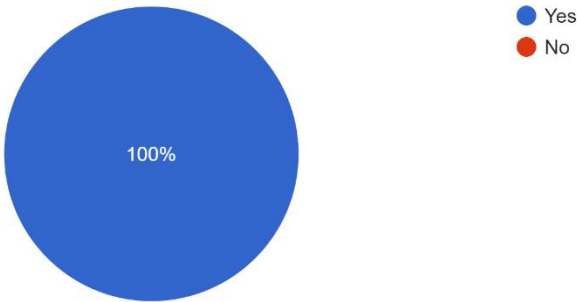
Were objectives of the course clear to you?
21 responses



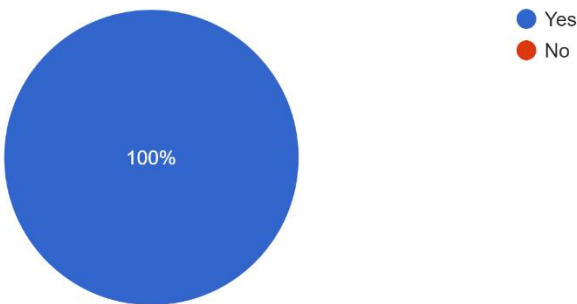
The lectures were clear and easy to understand
21 responses



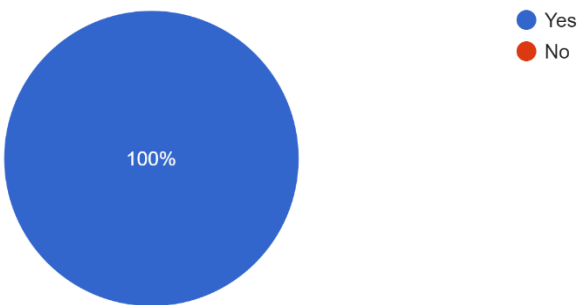
Practical demonstrations are clear
21 responses



The teaching aids were effectively used
21 responses

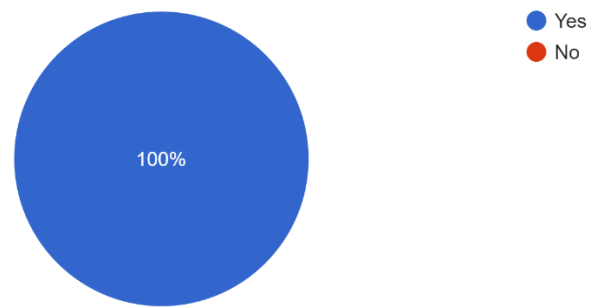


The course material handed out was adequate
21 responses



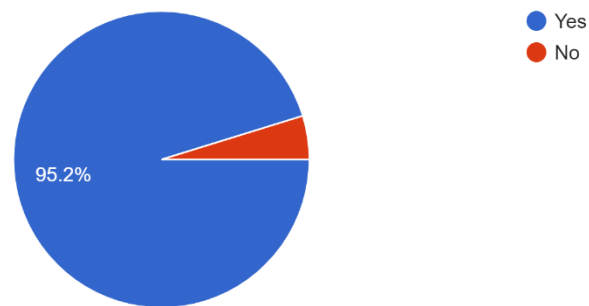
The course exposed you to new knowledge and practices

21 responses



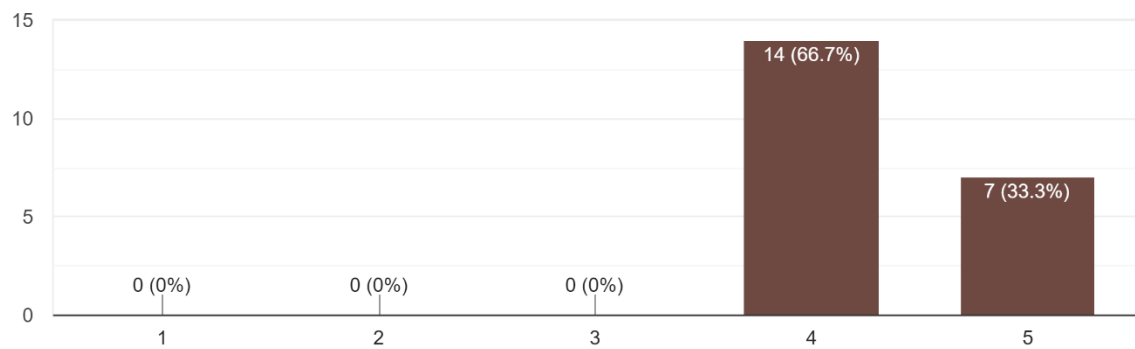
Does this course covers a wide range of issues concerning waste management

21 responses



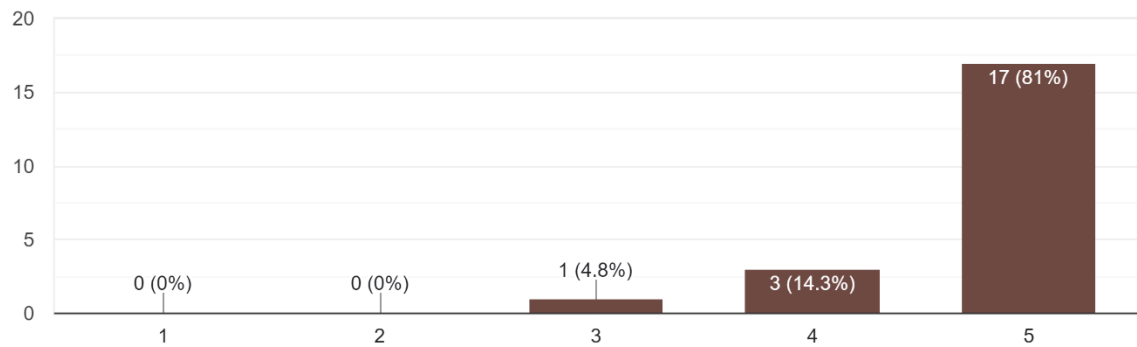
Learning value (in terms of skill development, concepts, knowledge, analytical abilities or broadening perspectives)

21 responses



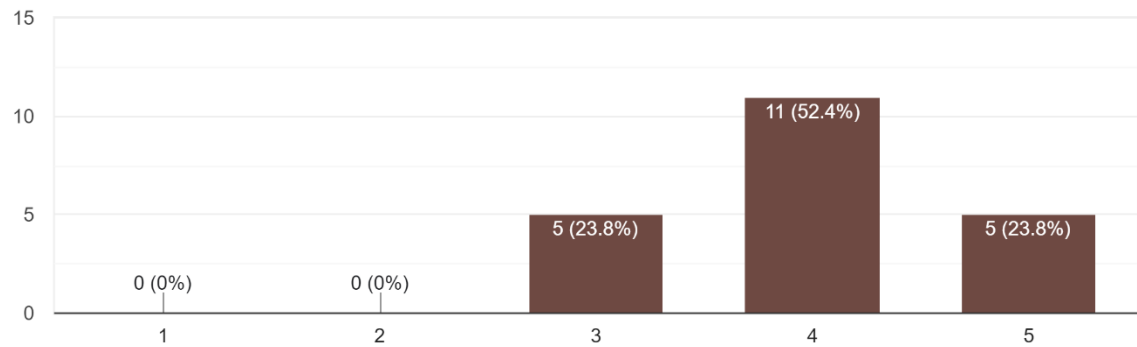
Applicability/Relevance to real life situation

21 responses



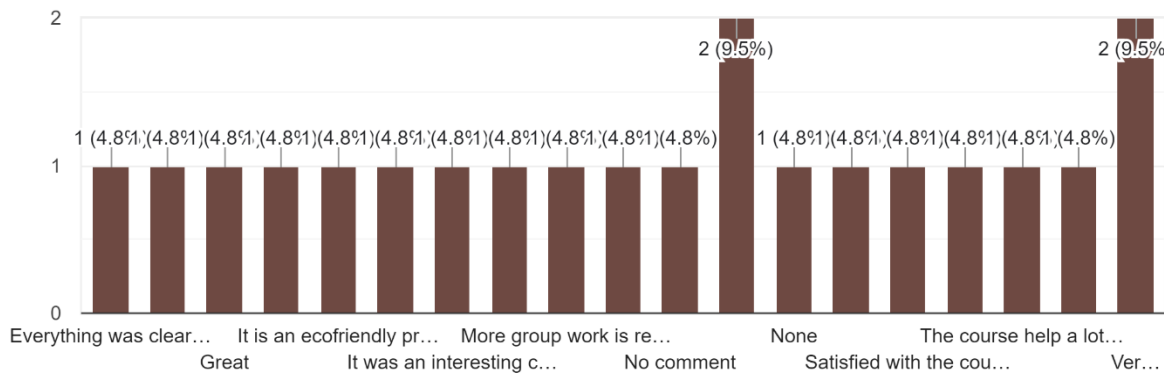
How relevant and helpful do you think it was for your career?

21 responses



Any overall feedback or suggestion for the course

21 responses



Photos





Report On

CERTIFICATE COURSE IN PLANT BIOTECHNOLOGY



MAY 2022

DEPARTMENT OF BIOTECHNOLOGY

St. Edmund's College

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Department of Biotechnology St. Edmund's College

(Affiliated to North Eastern Hill University, Shillong)
Recognized by the University Grant Commission under 2 (f) and 12 (B) of UGC act 1956
Laitumkhrah, Shillong – 793003, Meghalaya, India

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Website: <http://sec.edu.in>

Acknowledgements

It gives me a deep sense of gratitude to appreciate the people who have helped the department to conduct such a wonderful certificate course. My heartfelt appreciation and the source of inspiration to

- ⇒ Br (Dr) Simon Coelho, IQAC Coordinator, St. Edmund's College, Shillong
- ⇒ Dr Sylvanus Lamare, Principal, St. Edmund's College, Shillong
- ⇒ Prof Monotosh Chakravarty, Vice Principal, St. Edmund's College, Shillong
- ⇒ Bro S Julius, Bursar, St. Edmund's College, Shillong
- ⇒ Prof Sumit Deb, IQAC Coordinator, St. Edmund's College, Shillong
- ⇒ Ms Shekinah Challam, Department of Biotechnology, St. Edmund's College, Shillong
- ⇒ Mr Koben John Nongkynrih, Department of Biotechnology, St. Edmund's College, Shillong
- ⇒ Dr Prasenjit Paul, Department of Botany, St. Edmund's College, Shillong
- ⇒ Dr Viki Manners, Department of Silviculture, Govt. of Meghalaya.
- ⇒ Dr Gayle Kharshiing, Guest Faculty, NEHU, Shillong
- ⇒ Ms Priya Paul, Technical Assistant, St. Edmund's College, Shillong
- ⇒ Mr Erwein Khshiar, Lab Attendant, Dept of Biotechnology, St. Edmund's College, Shillong
- ⇒ All the students of Biotechnology honours students.

- 1. Title of the Course:**
Certificate Course in Plant Biotechnology
- 2. Course Code No:**
SEC/BT-PT/CC/2022-23/001
- 3. Total Contact Hours:**
45 hrs
- 4. Total Credits:**
2.5
- 5. Date of Approval**
26th April 2022
- 5. Opening of registration process:**
26th April 2022
- 6. Closing of Registration Process:**
1st May 2022
- 7. Mode of Registration:**
Online
- 8. Weblink for Registration:**
<https://forms.gle/ZBUCGTMXwayojpii8>
- 9. Date for Commencement of the Course:**
4th May 2022
- 10. Closing of the course:**
26th May 2022
- 11. Duration:**
21 Days
- 12. Total No of Students Enrolled:**
36 UG Students
- 13. Registration Fees:**
₹ 500/- (Five Hundred only)
- 14. Total Registration Fees Collected:**
₹ 18000/- (Eighteen thousand only)

15. Course Coordinator:

Ms Baiakmenlang Manners, Department of Biotechnology
St. Edmund's College, Shillong

Prof Sumit Deb, IQAC Coordinator
St. Edmund's College, Shillong

16. Teachers Involved:

Dr Samrat Adhikari, Head, Department of Biotechnology
St. Edmund's College

Dr Viki Manners, Department of Silviculture,
Govt of Meghalaya, Shillong

Ms Shekinah Challam, Department of Biotechnology
St. Edmund's College, Shillong

Mr Koben John Nongkynrih, Department of Biotechnology
St. Edmund's College, Shillong

Dr Prasenjit Paul, Department of Botany
St. Edmund's College, Shillong

Dr Gayle Kharshiing, Guest Faculty, Department of Botany
NEHU, Shillong

Ms Baiakmenlang Manners, Department of Biotechnology
St. Edmund's College, Shillong

Course description

In the present scenario, the field of plant sciences now comprises numerous topics, that modern plant biologists are expected to have an extensive knowledge on such areas. The applied field of plant biotechnology includes areas such as plant tissue culture, plant molecular biology and gene manipulation. This course is aimed to focus on these aspects and the course content is designed to impart basic knowledge and information on the plant growth and requirements in vitro. The course is so designed with substantial number of practical/hands on sessions weaved into each module, that will help students to apply their theoretical knowledge in experimenting and exploring the subject. Each of these contact hours has course on fundamentals plant tissue culture, plant gene manipulation and plant molecular biology. Furthermore, each of the units will have assessment period of 1 hour and finally at the end there will be a presentation from the participants about the journey and appropriate feedback.

Course structure

The certificate course syllabus proposed is of 45 contact hours with three units (Module 1, Module 2 & Module 3) comprising of 15 contact hours each.

Code	Name of the Paper	Contact Hours			TOTAL
		Theory	Practical	Assessments	
PBCC202201	Basic Plant Tissue Culture	6 hrs	7 hrs	2 hrs	15
PBCC202202	Advanced Plant Tissue Culture	6 hrs	7 hrs	2 hrs	15
PBCC202203	Plant Biotechnology	6 hrs	7 hrs	2 hrs	15
				TOTAL	45

Mode of Conduct of the Course

The course will be conducted completely online using the College Linways Learning Management System (LMS). Each teacher will be assigning the roles in their respective accounts and the external faculty will be using the account of the course coordinator. The mode of presentation has been live sessions, Power point presentations, video recording which has been uploaded in the LMS system for the students to view at any time. The assessment of the students was completed using online exam tools and the students who intend to improve the marks were given a chance to go for a retest. Each day student

feedback was verbally recorded, and accordingly effective tools were implemented for making the teaching learning process in effective manner.

Each student was given a chance for their feedback after the completion of the course and the same were analyzed using appropriate tools.

Grading Policy

Students will be assigned the following grades, based on the complete course assessments.

Marks	Final Grade
90-100	A+
80-90	A
70-80	B+
60-70	B
50-60	C+
50-60	C
Below 50	Needs Improvement

Outcome Based analysis

The certificate has been designed in a manner that the students grading policy can be reflected in terms of Programme Outcome (PO) and also at the same time the Course Outcome (CO) be measured. After the completion of each Module the marks will be analyzed for the CO mapping and the consolidated report will be used for the final PO-CO mapping. The details of the PO-CO mapping will be enclosed in the next section.

List of Students Registered for the Certificate Course

Sl No	Student ID	Name	Semester	Subject
1	21/BIOT/401	Alarissa Jasmine Sawian	II	Biotechnology
2	21/BIOT/403	M Lhingneivah Haokip	II	Biotechnology
3	21/BIOT/405	Franky L Nongbri	II	Biotechnology
4	21/BIOT/406	Chanshim Kashung	II	Biotechnology
5	21/BIOT/407	Priyanuj Hazarika	II	Biotechnology
6	21/BIOT/408	Ankita Hazarika	II	Biotechnology
7	21/BIOT/410	Nisha Kumari Ray	II	Biotechnology
8	21/BIOT/411	Rahul Sunar	II	Biotechnology
9	21/BIOT/414	Vanshika Jasrasaria	II	Biotechnology
10	21/BIOT/416	Nairity Goswami	II	Biotechnology
11	21/BIOT/417	Sambunki Pakem	II	Biotechnology
12	21/BIOT/418	Rosy Lallawmawmi	II	Biotechnology
13	21/BIOT/419	Trilochan Debbarma	II	Biotechnology
14	21/BIOT/420	Susmita Das	II	Biotechnology
15	21/BIOT/421	Tapunishtha Borah	II	Biotechnology
16	21/BIOT/422	Rajdeep Paul	II	Biotechnology
17	21/BIOT/423	Amon Jyoti Goswami	II	Biotechnology
18	21/BIOT/424	Linda Zairemmawii	II	Biotechnology
19	21/BIOT/426	Rode Islary	II	Biotechnology
20	21/BIOT/427	Rani Shyrmang	II	Biotechnology
21	21/BIOT/428	Shimran Saigal	II	Biotechnology
22	21/BIOT/429	Bhaswati Chakraborty	II	Biotechnology
23	21/BIOT/431	Ankit Dasgupta	II	Biotechnology
24	21/BIOT/432	Dani Monya	II	Biotechnology
25	21/BIOT/433	Wilson Sutnga	II	Biotechnology
26	21/BIOT/436	Khusboo Sharma	II	Biotechnology
27	21/BIOT/442	Uranim K C Shaiza	II	Biotechnology
28	21/BIOT/444	Swagata Dutta	II	Biotechnology
29	21/BIOT/446	Ashakiran D Rai	II	Biotechnology
30	21/BIOT/447	Monica Jolsha Warjri	II	Biotechnology
31	20/BIOT/404	Sanjida Choudhury	IV	Biotechnology

Sl No	Student ID	Name	Semester	Subject
32	20/BIOT/407	Anindita Mudiar	IV	Biotechnology
33	20/BIOT/409	Antarleena Bhattacharjee	IV	Biotechnology
34	20/BIOT/422	Cassiana Pohshna	IV	Biotechnology
35	20/BIOT/425	Rebecca D L Marbaniang	IV	Biotechnology
36	19/BIOT/435	Aido Lego	VI	Biotechnology

Attendance

SI No	Student ID	Name	Semester	Total Hours	Attended	Attendance
1	21/BIOT/401	Alarissa Jasmine Sawian	II	45	45	100 %
2	21/BIOT/403	M Lhingneivah Haokip	II	45	45	100 %
3	21/BIOT/405	Franky L Nongbri	II	45	45	100 %
4	21/BIOT/406	Chanshim Kashung	II	45	45	100 %
5	21/BIOT/407	Priyanuj Hazarika	II	45	45	100 %
6	21/BIOT/408	Ankita Hazarika	II	45	45	100 %
7	21/BIOT/410	Nisha Kumari Ray	II	45	45	100 %
8	21/BIOT/411	Rahul Sunar	II	45	45	100 %
9	21/BIOT/414	Vanshika Jasrasaria	II	45	45	100 %
10	21/BIOT/416	Nairity Goswami	II	45	45	100 %
11	21/BIOT/417	Sambunki Pakem	II	45	45	100 %
12	21/BIOT/418	Rosy Lallawmawmi	II	45	45	100 %
13	21/BIOT/419	Trilochan Debbarma	II	45	45	100 %
14	21/BIOT/420	Susmita Das	II	45	45	100 %
15	21/BIOT/421	Tapunishtha Borah	II	45	45	100 %
16	21/BIOT/422	Rajdeep Paul	II	45	45	100 %
17	21/BIOT/423	Amon Jyoti Goswami	II	45	45	100 %
18	21/BIOT/424	Linda Zairemmawii	II	45	45	100 %
19	21/BIOT/426	Rode Islary	II	45	45	100 %
20	21/BIOT/427	Rani Shyrmang	II	45	45	100 %
21	21/BIOT/428	Shimran Saigal	II	45	45	100 %
22	21/BIOT/429	Bhaswati Chakraborty	II	45	45	100 %
23	21/BIOT/431	Ankit Dasgupta	II	45	45	100 %
24	21/BIOT/432	Dani Monya	II	45	45	100 %
25	21/BIOT/433	Wilson Sutnga	II	45	45	100 %
26	21/BIOT/436	Khusboo Sharma	II	45	45	100 %
27	21/BIOT/442	Uranim K C Shaiza	II	45	45	100 %
28	21/BIOT/444	Swagata Dutta	II	45	45	100 %
29	21/BIOT/446	Ashakiran D Rai	II	45	45	100 %
30	21/BIOT/447	Monica Jolsha Warjri	II	45	45	100 %
31	20/BIOT/404	Sanjida Choudhury	IV	45	45	100 %

SI No	Student ID	Name	Semester	Total Hours	Attended	Attendance
32	20/BIOT/407	Anindita Mudiar	IV	45	45	100 %
33	20/BIOT/409	Antarleena Bhattacharjee	IV	45	45	100 %
34	20/BIOT/422	Cassiana Pohshna	IV	45	45	100 %
35	20/BIOT/425	Rebecca D L Marbaniang	IV	45	45	100 %
36	19/BIOT/435	Aido Lego	VI	45	45	100 %

Syllabus Coverage					
Sl.no	Date	Contact Hours	Module	Topic Name	Topic Description
1	4 th May 2022	0.5	PBCC202201	Introduction to Plant Tissue culture, Terms and definitions, Laboratory organization, Tools and techniques, methods of sterilization	Covered by Mr. Koben John Nongkynrih
2	4 th May 2022	0.5	PBCC202201	Laboratory contaminants- it's control and measures.	Covered by Mr. Koben John Nongkynrih
3	4 th May 2022	1.0	PBCC202201	Role of Micro and macro nutrients, Vitamins, and carbon source in tissue culture	Covered by Mr. Koben John Nongkynrih
4	5 th May 2022	1.0	PBCC202201	Media preparation- pH, Temperature, Solidifying agents, Slant Preparations etc.	Covered by Ms. Shekinah Challam
5	5 th May 2022	1.0	PBCC202201	Maintenance of cultures Callus and cell suspension culture.	Covered by Mr. Koben John Nongkynrih
6	6 th May 2022	1.0	PBCC202201	Environmental Conditions, explants characteristics. Explants selection, sterilization, and inoculation; Various media preparations; MS, B5, etc.	Covered by Dr. Prasenjit Paul
7	6 th May 2022	1.0	PBCC202201	Techniques and significance of Androgenesis and Gynogenesis (ovary, ovule, egg, synergids culture).	Covered by Dr. Prasenjit Paul
8	7 th May 2022	1.5	PBCC202201	Principle and applications of Autoclave, Hot air oven, Incubator, Laminar Air Flow, Spectrophotometer, and pH meter.	Covered by B.Manners
9	9 th May 2022	1.5	PBCC202201	Preparation of Stock solutions for Tissue culture media preparation	Covered by B. Manners
10	9 th May 2022	1.0	PBCC202201	Sterilization methods & Explant inoculation	Covered by B.Manners
11	10 th May 2022	1.0	PBCC202201	Examination – MCQ Based	Conducted by B. Manners
12	11 th May 2022	1.0	PBCC202202	Micropropagation and its Applications; Types, Stages, Establishment of propagated plants	Covered by Ms. Shekinah Challam
13	11 th May 2022	1.0	PBCC202202	Germplasm conservation - Definition, Importance and Methods, In-situ and Ex-situ conservation,	Covered by Dr. Prasenjit Paul
14	12 th May 2022	1.0	PBCC202202	Hardening of tissue culture raised plants: stages and role of different factors involved in hardening process.	Covered by Dr. Prasenjit Paul
15	12 th May 2022	1.0	PBCC202202	Disease and pest control in gardening- Fungicides and pesticides.	Covered by B.Manners
16	13 th May 2022	2.0	PBCC202202	Floriculture – commercial floriculture, protected cultivation of cut flowers and home floriculture	Covered by B.Manners
17	14 th May 2022	2.0	PBCC202202	Micropropagation of endangered plant species	Covered by B.Manners

Syllabus Coverage					
Sl.no	Date	Contact Hours	Module	Topic Name	Topic Description
18	15 th May 2022	2.0	PBCC202202	Preparation of artificial seeds	Covered by B.Manners
19	17 th May 2022	2.0	PBCC202202	Hardening of Tissue culture raised plantlets and their maintenance in polyhouses	Covered by Dr. Viki Manners
20	18 th May 2022	2.0	PBCC202202	Basic floriculture techniques	Covered by Dr. Viki Manners
21	18 th May 2022	1.0	PBCC202202	Examination	Conducted by B.Manners
22	19 th May 2022	1.0	PBCC202203	Genomic and organelle DNA isolation,	Covered by Dr Samrat Adhikari
23	19 th May 2022	1.0	PBCC202203	Methods of gene identification, DNA amplification - vector mediated and vector less methods - Polymerase chain reaction (PCR).	Covered by Dr Samrat Adhikari
24	20 th May 2022	1.0	PBCC202203	Restriction, digestion, and ligation; restriction mapping, genomic and cDNA libraries.	Covered by Dr Samrat Adhikari
25	20 th May 2022	1.0	PBCC202203	Analysis and expression of cloned genes - DNA sequencing, DNA markers;	Covered by Dr Samrat Adhikari
26	21 st May 2022	1.0	PBCC202203	Restriction fragment length polymorphism (RFLP) ; Random amplified polymorphic DNA (RAPD). Amplified fragment Length polymorphism (AFLP).	Covered by Dr. Gayle A. Kharshiing
27	21 st May 2022	1.0	PBCC202203	Application of gene cloning and transformation techniques in plants-	Covered by Dr. Gayle A. Kharshiing
28	23 rd May 2022	1.0	PBCC202203	Genetically modified organisms and foods (GMO/ GMF) – Social, Legal, and ethical considerations in Indian Scenario.	Covered by Dr. Gayle A. Kharshiing
29	24 th May 2022	2.0	PBCC202203	Isolation of DNA from Plants.	Covered by B.Manners
30	25 th May 2022	2.0	PBCC202203	Amplification of plant genomic DNA by using ISSR primer.	Covered by B.Manners
31	26 th May 2022	2.0	PBCC202203	Analysis of bands and interpretation of results	Covered by B.Manners
32	26 th May 2022	1.0	PBCC202203	Examination	Conducted by B.Manners

EXAMINATION & GRADES

The examination (online mode) was conducted for the modules PBCC202201, PBCC202202 & PBCC202203 with a total of 100 marks with a time limit of 120 minutes. Each student has performed very well. The MCQ question was based on the reasoning ability to solve concept-based questions.

SI	Enrollment No	Name	PBCC202201	PBCC202202	PBCC202203	Average	Grades	Attainment Level
			100	100	100			
1	21/BIOT/401	Alarissa Jasmine Sawian	74	60	84	73	B+	2
2	21/BIOT/403	M Lhingneivah Haokip	60	50	66	59	C+	2
3	21/BIOT/405	Franky L Nongbri	68	54	88	70	B+	2
4	21/BIOT/406	Chanshim Kashung	68	52	80	67	B	2
5	21/BIOT/407	Priyanuj Hazarika	66	56	76	66	B	2
6	21/BIOT/408	Ankita Hazarika	74	64	86	75	B+	2
7	21/BIOT/410	Nisha Kumari Ray	66	44	68	59	C+	2
8	21/BIOT/411	Rahul Sunar	68	50	42	53	C+	2
9	21/BIOT/414	Vanshika Jasrasaria	66	54	76	65	B	2
10	21/BIOT/416	Nairity Goswami	66	54	74	65	B	2
11	21/BIOT/417	Sambunki Pakem	46	58	76	60	B	2
12	21/BIOT/418	Rosy Lallawmawmi	58	46	76	60	B	2
13	21/BIOT/419	Trilochan Debbarma	70	52	70	64	B	2
14	21/BIOT/420	Susmita Das	72	60	92	75	B+	2
15	21/BIOT/421	Tapunishtha Borah	76	56	82	71	B+	2
16	21/BIOT/422	Rajdeep Paul	60	58	74	64	B	2
17	21/BIOT/423	Amon Jyoti Goswami	78	54	56	63	B	2
18	21/BIOT/424	Linda Zairemmawii	38	24	18	27	C	1
19	21/BIOT/426	Rode Islary	68	44	64	59	C+	2
20	21/BIOT/427	Rani Shyrmang	0	34	54	29	C	2
21	21/BIOT/428	Shimran Saigal	68	54	56	59	C+	2
22	21/BIOT/429	Bhaswati Chakraborty	76	72	88	79	B+	2
23	21/BIOT/431	Ankit Dasgupta	62	58	0	40	C	2
24	21/BIOT/432	Dani Monya	72	62	86	73	B+	2
25	21/BIOT/433	Wilson Sutnga	52	2	66	40	C	2
26	21/BIOT/436	Khusboo Sharma	74	54	62	63	B	2
27	21/BIOT/442	Uranim K C Shaiza	64	50	60	58	C+	2
28	21/BIOT/444	Swagata Dutta	72	62	62	65	B	2
29	21/BIOT/446	Ashakiran D Rai	70	56	82	69	B	2
30	21/BIOT/447	Monica Jolsha Warjri	48	66	82	65	B	2
31	20/BIOT/404	Sanjida Choudhury	56	52	60	56	B	2
32	20/BIOT/407	Anindita Mudiar	80	70	90	80	A	2

33	20/BIOT/409	Antarleena Bhattacharjee	72	56	74	67	B	2
34	20/BIOT/422	Cassiana Pohshna	84	68	78	77	B+	2
35	20/BIOT/425	Rebecca D L Marbaniang	78	68	72	73	B+	2
36	19/BIOT/435	Aido Lego	78	42	80	67	B	2

PROGRAM EDUCATIONAL OUTCOMES (PEOs), PROGRAM OUTCOMES (POs) & PROGRAM SPECIFIC OUTCOMES (PSO)

CERTIFICATE COURSE IN BIOINFORMATICS (Level O)

Vision:

St. Edmund's College, Shillong has a vision that is enshrined in the motto of the College: "*Facta Non Verba*" which translates "*Deeds Not Words*". It aims at imparting equitable quality education grounded on the core values of excellence, competition, and ideals. The College also stands on the principles advocated by Edmund Ignatius Rice, the Founder of the Institution.

Mission:

The College endeavors to create a stimulating environment in the Campus through various academic programmes and co-curricular activities to develop character, shape personality and build a sense of social responsibility among our young men and women. As the college prioritizes learning, teaching, and sharing of knowledge, education is therefore perceived as a potent vehicle that works towards transforming attitudes and mind-sets for the good of one and all in the society in particular and the world at large.

Program Educational Outcomes (PEOs)

The participants will:

- PEO1 Have the confidence and tenacity it takes to be life-long learners, keeping abreast with Knowledge and Skills.
- PEO2 Be looked up to, as young women and men, who can be counted on to be agents for transformation.
- PEO3 In keeping with the principles of Blessed Edmund Rice, be humble and at home with 'kings' and 'paupers'.
- PEO4 Be generous in being able to give back to Society what they have received, by participating in various Health Missions.

Program Outcomes (POs)

At the end of the Certificate Course Programme, the graduates will be able to:

PBCCPO.01	Domain Expertise Apply knowledge of Biotechniques and experiments at an appropriate level to the discipline
PBCCPO.02	Skills and Ethics Analyse a problem and define the biological requirements, appropriate to its solution
PBCCPO.03	Lifelong Learning Understand new concepts and be articulate while executing knowledge with peers.
PBCCPO.04	Modern Tool Usage Use current techniques, skills, and tools necessary for Biotechnology practices
PBCCPO.05	Social Contribution Follow passionate thinking for implementing the technology for the larger benefit of the society.

Program Specific Outcomes (PSOs)

At the end of the Certificate Course, the candidate will be able to

PSO1	Gain confidence in handling laboratory equipment's and also to perform experiments independently
PSO2	Be able to devise troubleshooting mechanisms in cases where problems in experimentation arises
PSO3	Learn about modern tools and techniques employed in plant biotechnology
PSO4	Have an edge over their peers as the hands-on sessions will be an added advantage to their skill development

Course Outcome

At the end of the Module, I PBCC202201 on Basic Plant Tissue Culture: Students will be able to:

- CCPB01.01 Relate the effectiveness of various medium composition in root and shoot Proliferation *in vitro*.
- CCPB01.02 Illustrate and examine the various aseptic techniques available for plant materials
- CCPB01.03 Recommend and relate the suitable medium used for varying types of plant tissue culture
- CCPB01.04 Design and correlate the applicability of the techniques learnt for future experiments.
- CCPB01.05 Skill improvement in handling plant tissue culture and it maintaining aseptic conditions at all levels.

At the end of the Module, II PBCC202202 on Advanced Plant Tissue Culture: Students will be able to:

- CCPB02.01 Connect and correlate the micropropagation of elite species of plants and its wider applications.
- CCPB02.02 Prioritization of hardening techniques post *in vitro* culture.
- CCPB02.03 Investigate various floriculture methods for commercialization of plants.
- CCPB02.04 Interpret various germplasm storage techniques for plants with horticultural, medicinal as well as of endangered species.
- CCPB02.05 Identify and outline the major diseases in crop plants and use of bio fertilizers.

At the end of the Module, III PBCC202203 on Advanced Plant Tissue Culture: Students will be able to:

- CCPB03.01 Relate and describe various molecular markers used in plant genome analysis
- CCPB03.02 Application of molecular markers in developing conservation strategies.
- CCPB03.03 Compare and contrast the available transgenic technologies for crop improvement

CCPB03.04 Examine and investigate the role of GM crops in the society

CCPB03.05 Illustrate and design the applicability of ISSR primers using PCR based techniques.

Attainment level for Certificate Course

Particulars	Levels of Attainment
Students scoring above 80 % marks in assessments for Certificate course (level O)	3
Students scoring above 70 % marks in assessments for Certificate course (level O)	2
Students scoring above 50 % marks in assessments for Certificate course (level O)	1
Student securing below 39% will be allowed for a retest for improving the performances.	

CO-PO Mapping for Certificate Course - Module 1

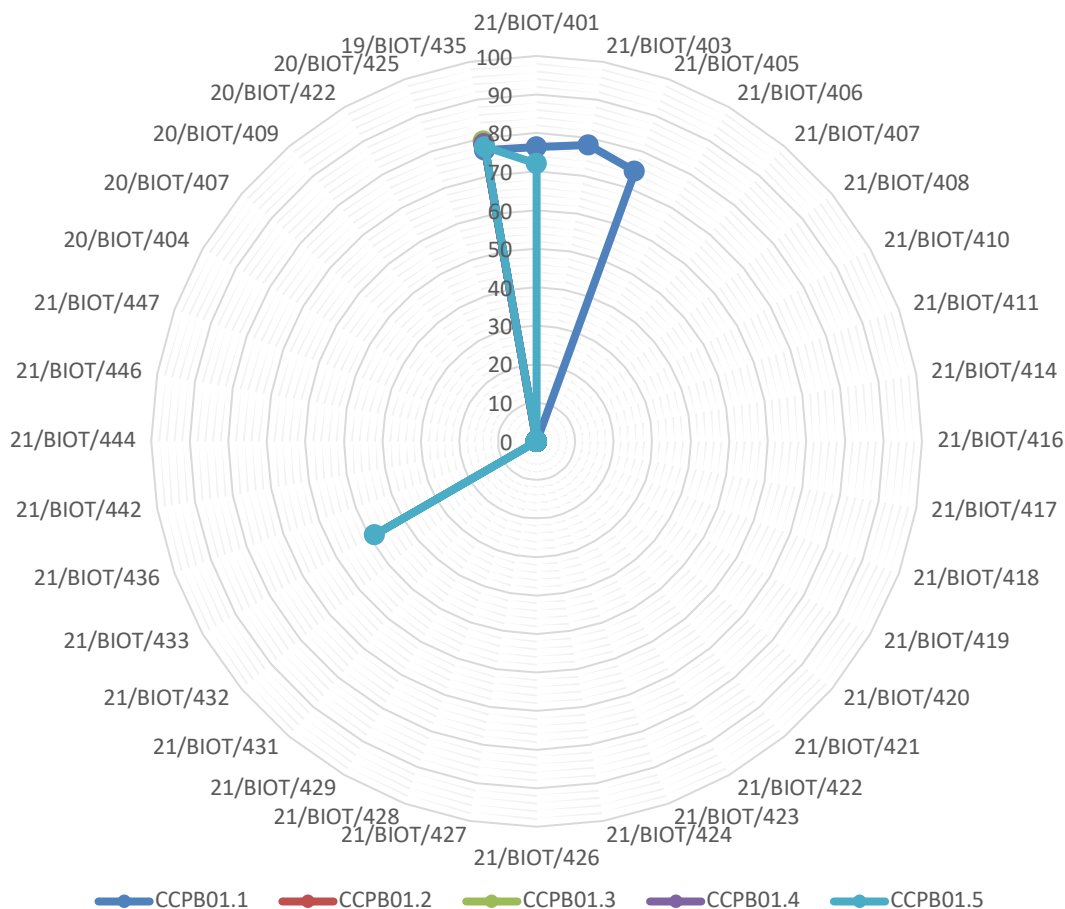
PBCC202201	PBCCPO.01	PBCCPO.02	PBCCPO.03	PBCCPO.04	PBCCPO.05
CCPB01.01	3	2	1	3	3
CCPB01.02	3	3	2	1	1
CCPB01.03	2	3	3	3	1
CCPB01.04	2	2	3	3	3
CCPB01.05	1	2	3	2	3

CO-PO Mapping for Certificate Course (Module 2)

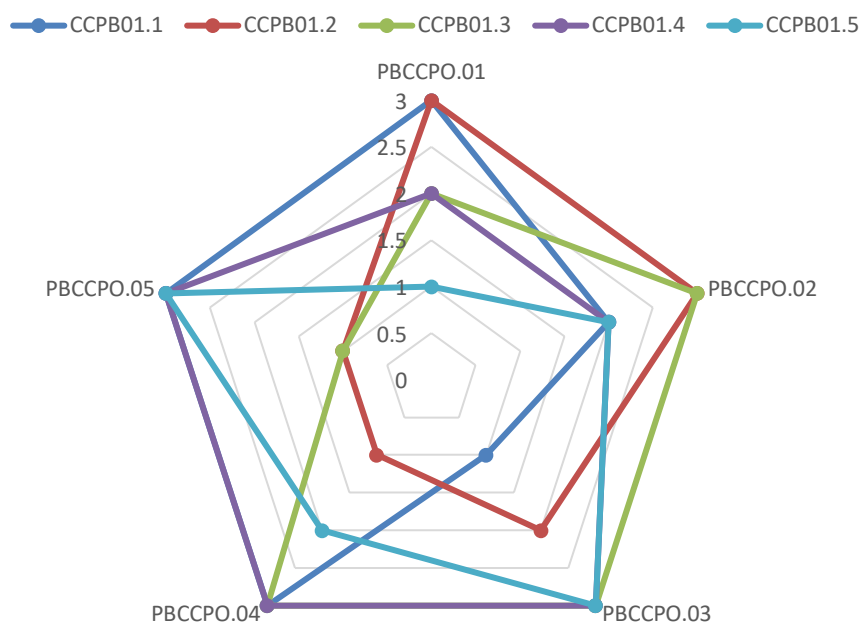
PBCC202202	PBCCPO.01	PBCCPO.02	PBCCPO.03	PBCCPO.04	PBCCPO.05
CCPB02.01	2	3	2	3	3
CCPB02.02	3	2	3	1	2
CCPB02.03	3	1	3	2	2
CCPB02.04	2	2	3	3	3
CCPB02.05	1	3	2	3	1

CO-PO Mapping for Certificate Course –(Module 3)

BCC03	PBCC202202	PBCCPO.01	PBCCPO.02	PBCCPO.03	PBCCPO.04
CCPB03.01	3	3	3	2	3
CCPB03.02	3	3	2	2	1
CCPB03.03	3	2	3	3	1
CCPB03.04	3	2	2	3	2
CCPB03.05	3	1	3	3	2

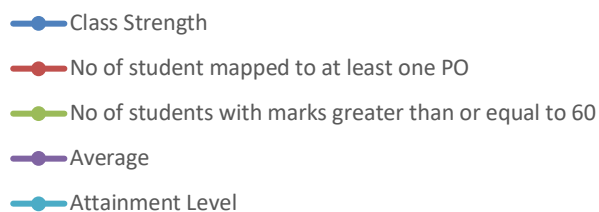
Learning Outcome for PBCC202201 (Module-1)

LEGEND 1: The Graph depicts the course outcome with the Percentage of Marks secured in the Examination of (Module 1). The data are represented in percentage and plotted using Excel software.



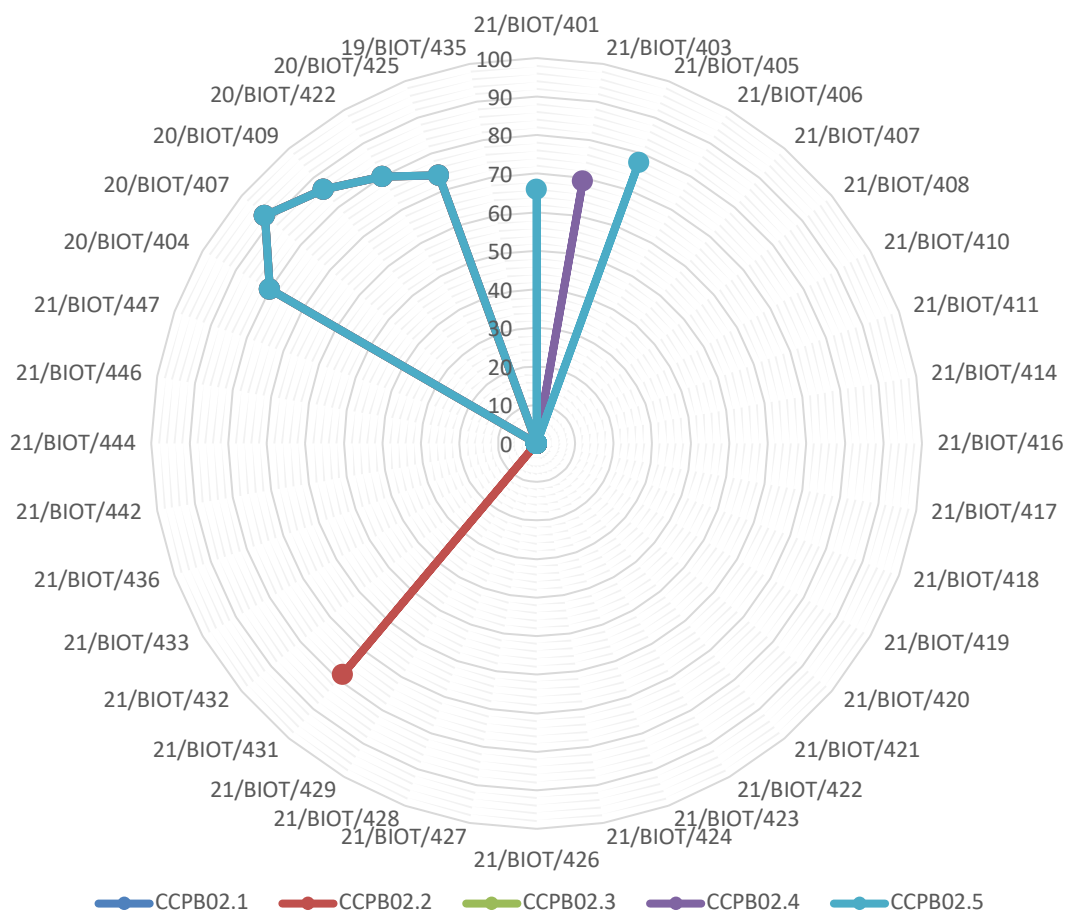
LEGEND 2:

Programme Outcome (PO) -Course Outcome (CO) mapping of the PBCC202201 module.

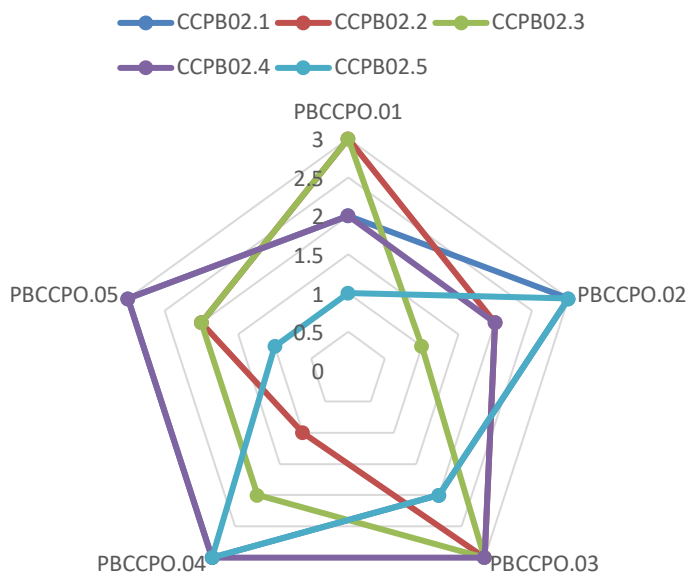


LEGEND 3:

Average Attainment Level of the students in PBCC202201 module.

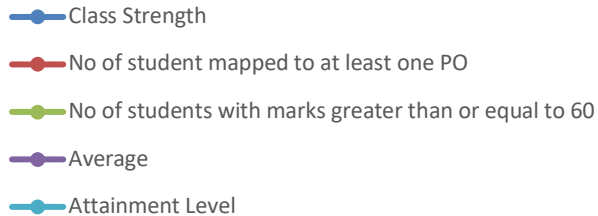
Learning Outcome for PBCC202202 (Module-2)

LEGEND 4: The Graph depicts the course outcome with the Percentage of Marks secured in the Examination of PBCC202202 (Module 2). The data are represented in percentage and plotted using Excel software.



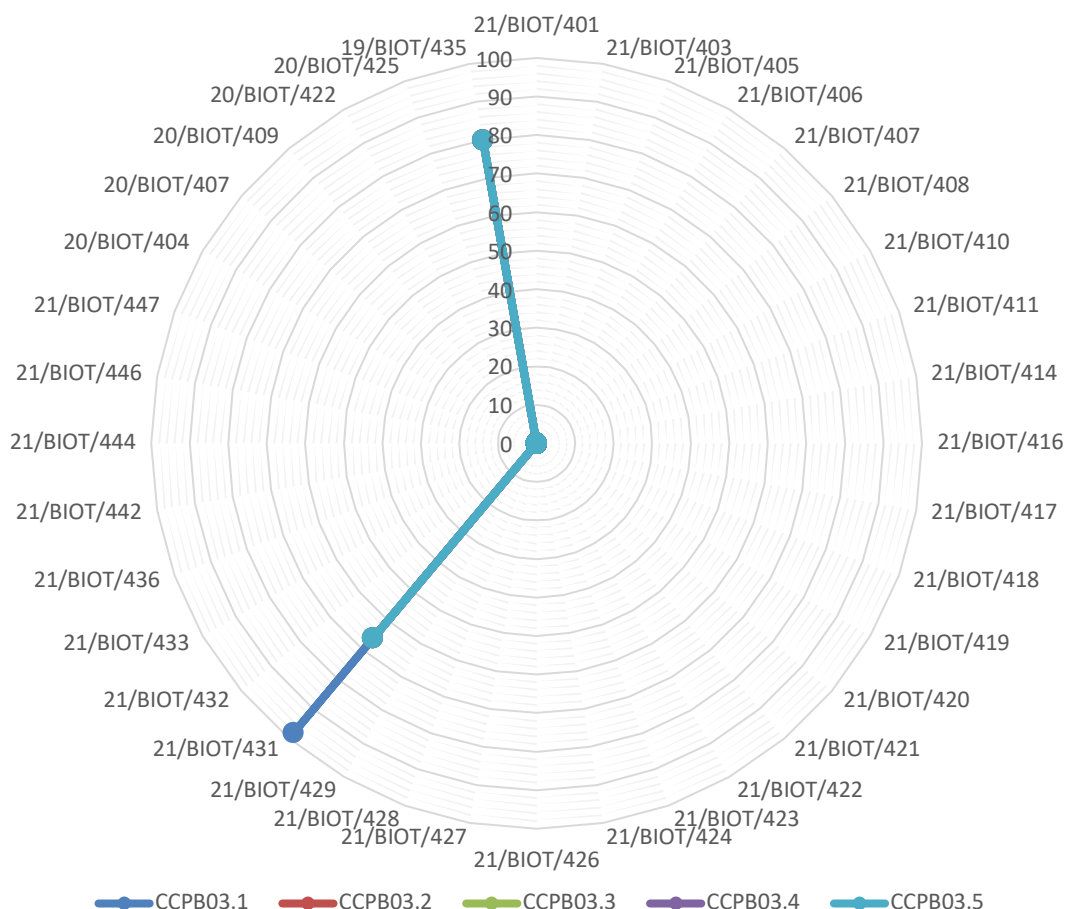
LEGEND 5:

Programme Outcome (PO) -Course Outcome (CO) mapping of the PBCC202202 module.

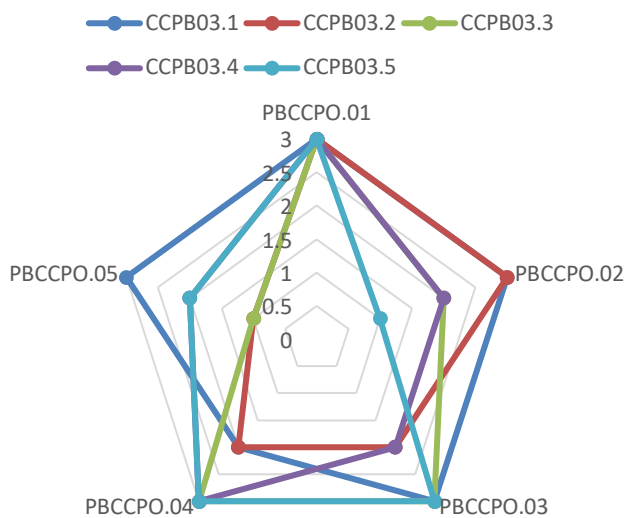


LEGEND 6:

Average Attainment Level of the students in PBCC202202 module.

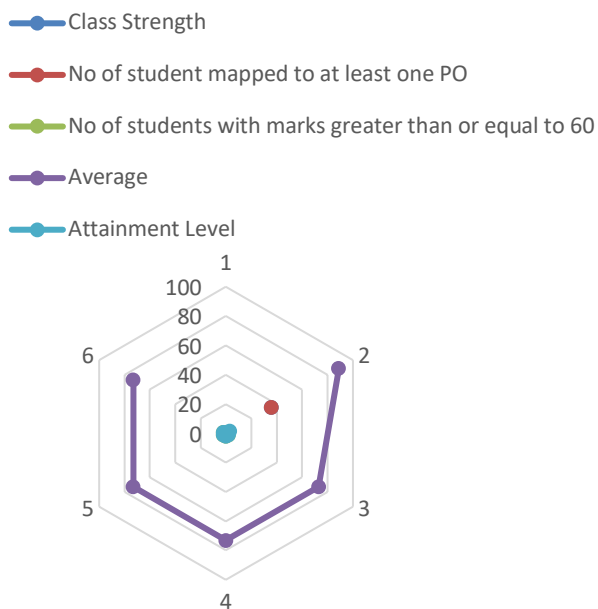
Learning Outcome for PBCC202203 (Module-3)

LEGEND 7: The Graph depicts the course outcome with the Percentage of Marks secured in the Examination of PBCC202203 (Module 3). The data are represented in percentage and plotted using Excel software.



LEGEND 8:

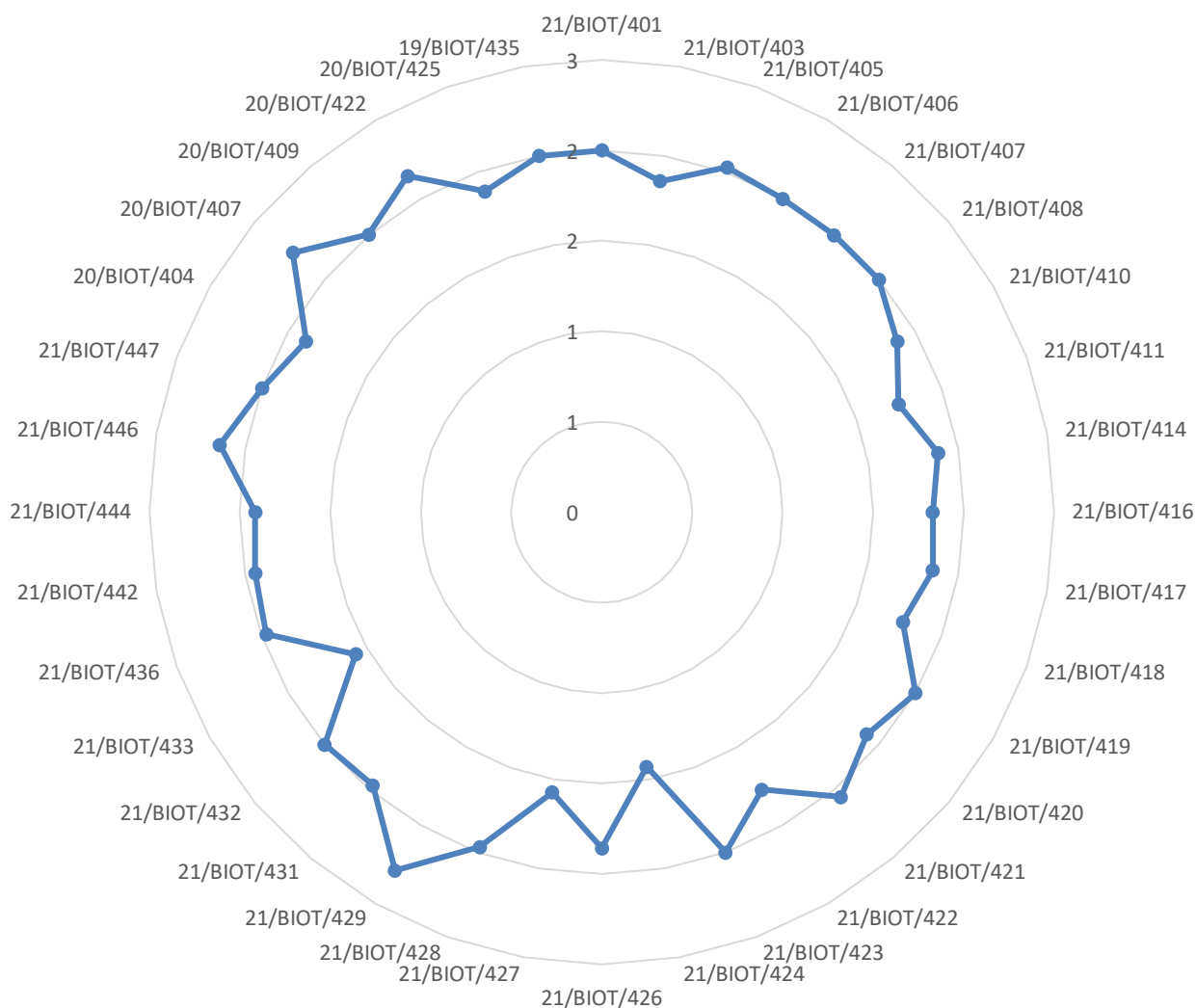
Programme Outcome (PO) -Course Outcome (CO) mapping of the PBCC202203 module.



LEGEND 9:

Average Attainment Level of the students in PBCC202203 module.

Average Attainment level of the 3 modules – PBCC202201, PBCC202202 & PBCC202203

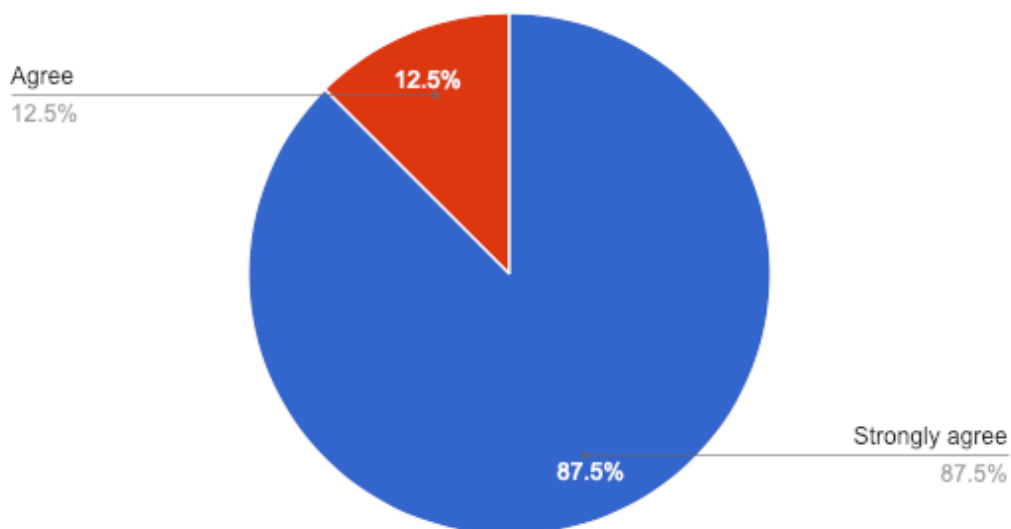


LEGEND 10: The Graph depicts the average attainment level of the 3 modules with the corresponding CO-PO mapping. The data are represented in percentage and plotted using Excel software.

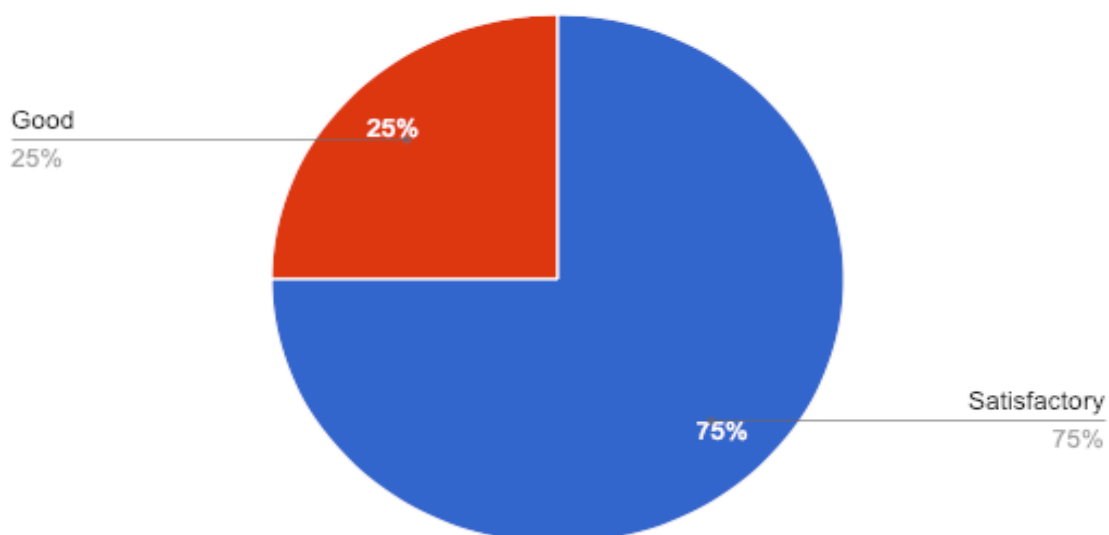
Feedback of Guest Faculty

The Feedback form for the guest faculty was designed with inputs from the IQAC cell for the participants using google (<https://forms.gle/xRvsRE5j7A38FbZa9>) and was responded by 9 teachers. The analysis is depicted below.

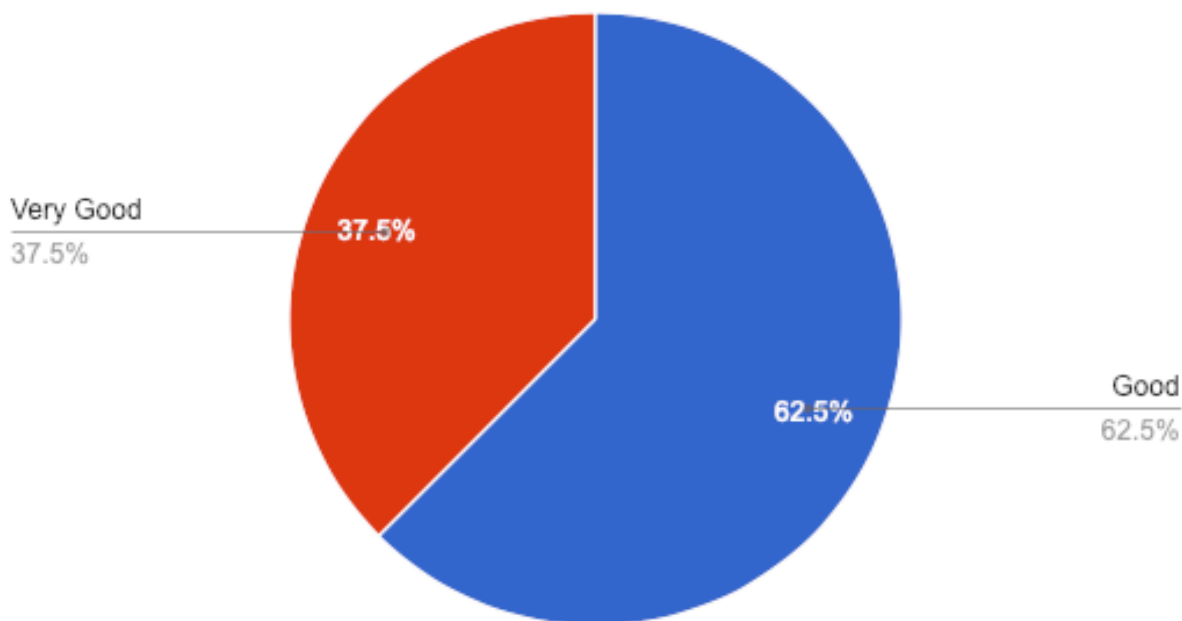
The time management to conduct the course was efficient



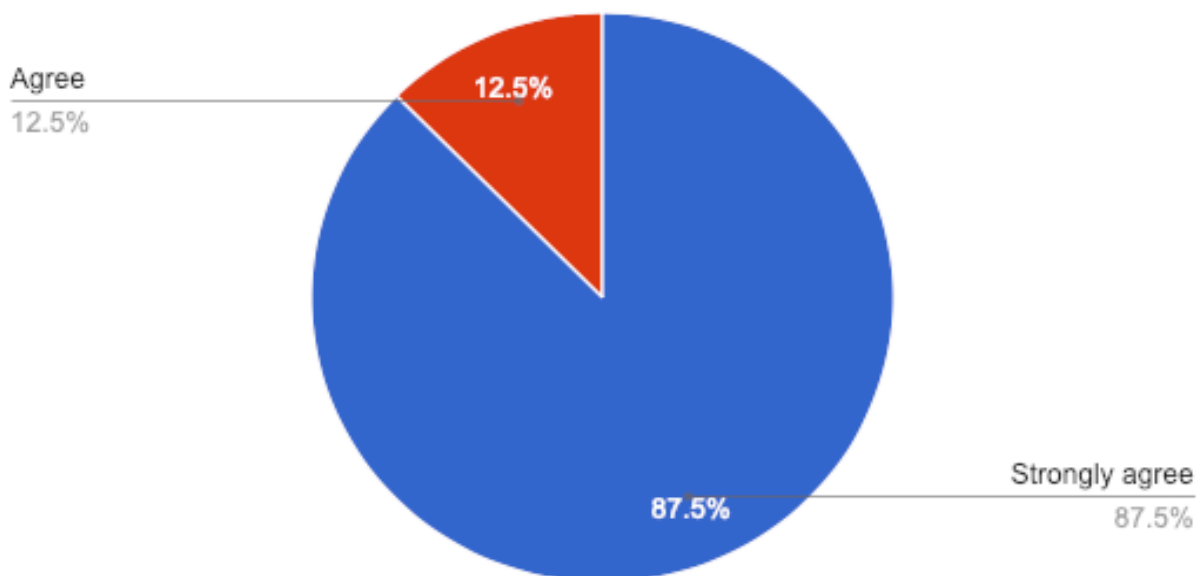
The content of the course was



The response from the Learners during lecture/interactive session were



The Learning Management System (LMS) software used for running the course is up to date



A pie chart illustrating the distribution of responses for the question 'Do you have a car?'. The chart is divided into two segments: a large blue segment representing 'Yes' at 87.5%, and a smaller red segment representing 'No' at 12.5%. The percentages are labeled directly on the chart segments.

Response	Percentage
Yes	87.5%
No	12.5%

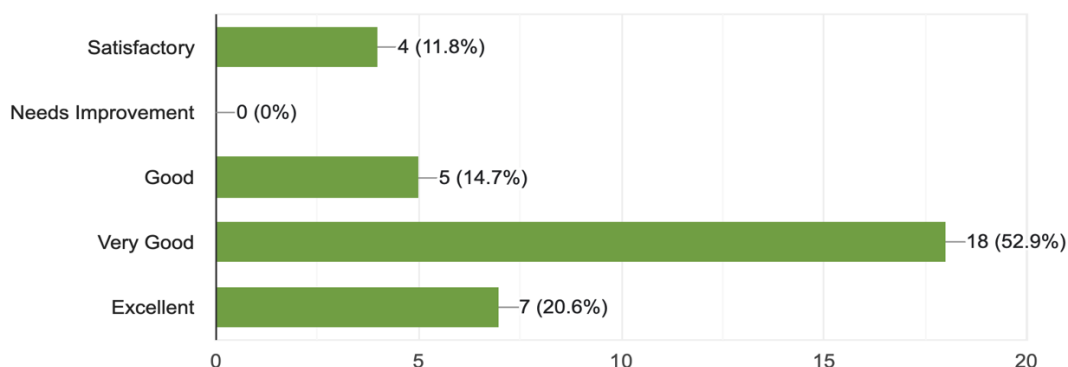
benefitted beautiful teaching exams congratulations
level everyone given learning applicable
initiative such students look good studying
help best hope well certificate life newer great biology
wish work next
biotech manner process science
college honestly many
nice keep very
offline conducted future organized
edmunds courses more perspective members inter
classes conducting paper even suggestions excellent

Feedback of Participants

The Feedback form was designed with inputs from the IQAC cell for the participants using google forms (<https://forms.gle/TR9af2hp9x7E7uEy7>) and was responded by 34 participants. The analysis is depicted below.

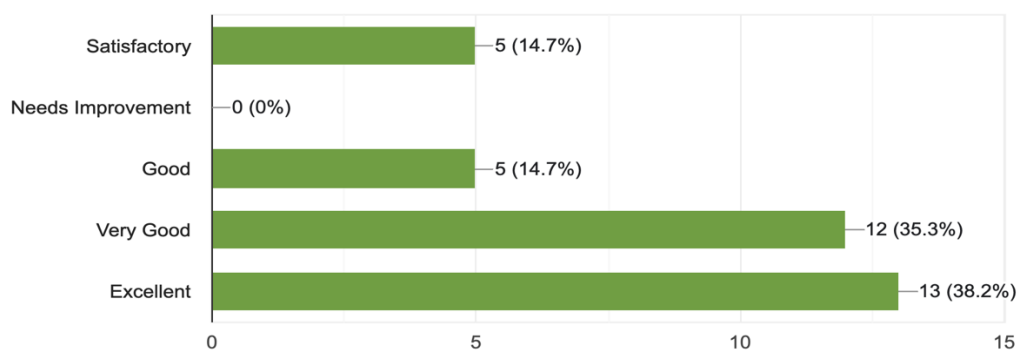
The objective of the course clear to me

34 responses



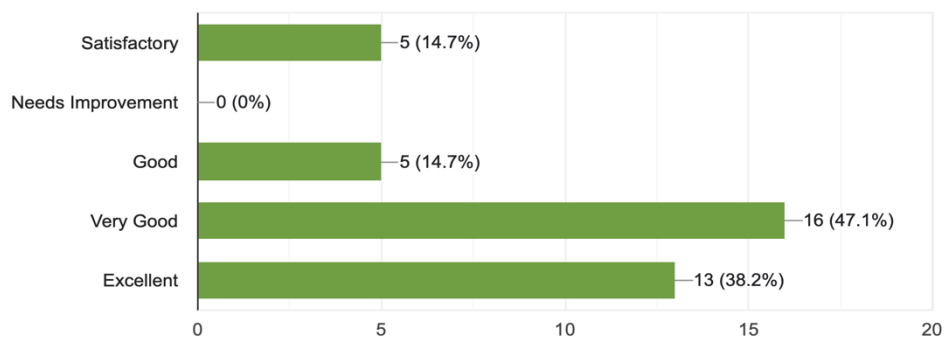
The course content met with my expectation

34 responses



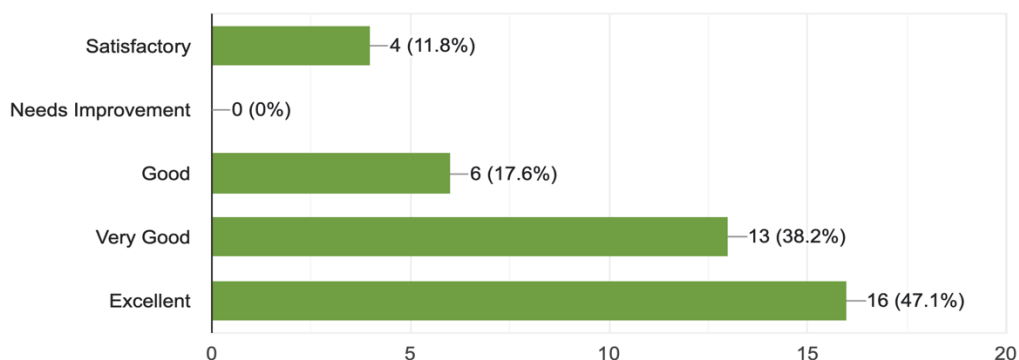
The lectures/videos were well planned

34 responses



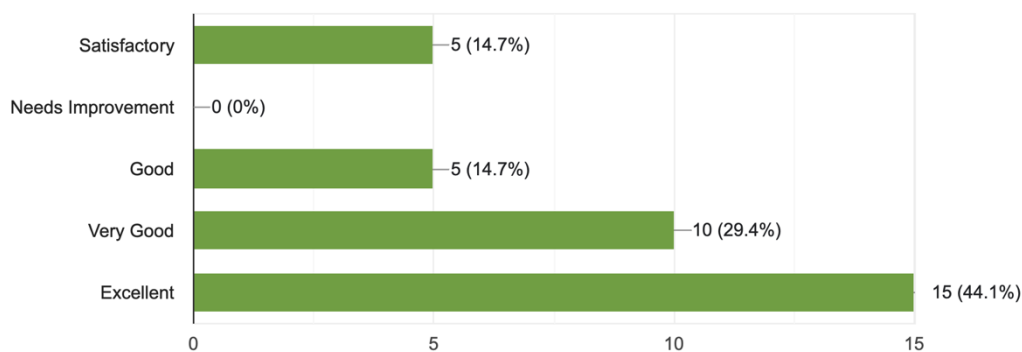
The course built on my knowledge & practices

34 responses



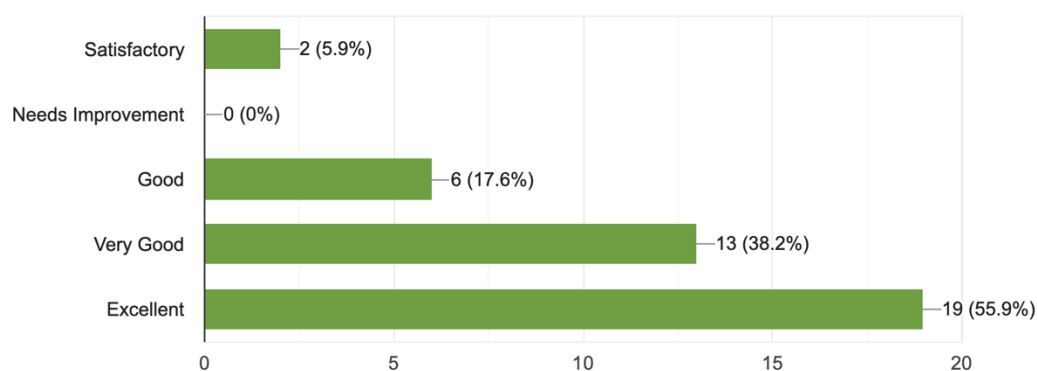
I would recommend the course to other colleagues

34 responses



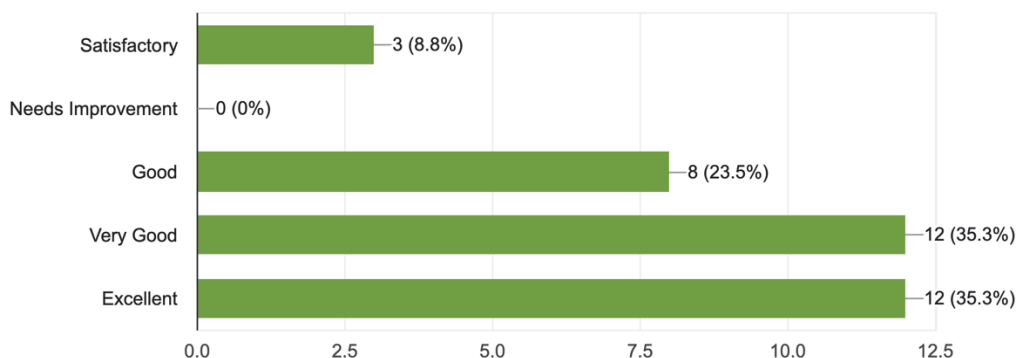
The practicals were well planned

34 responses



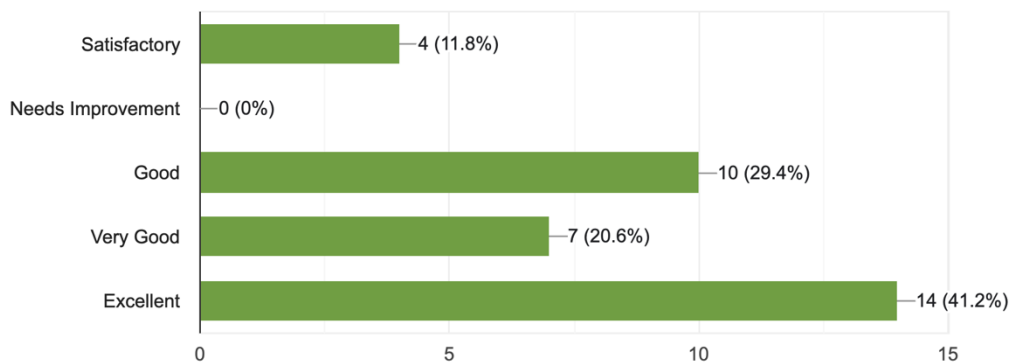
The lecture were clear and easy to understand

34 responses



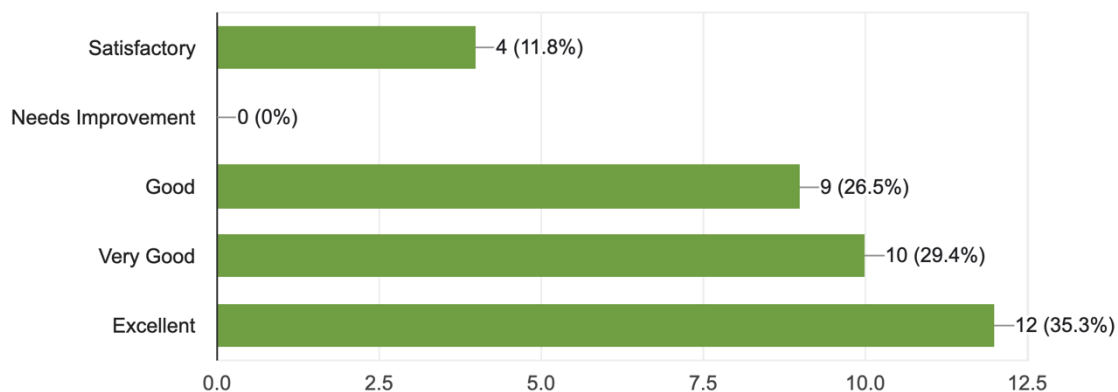
The online teaching aids were used effectively

34 responses



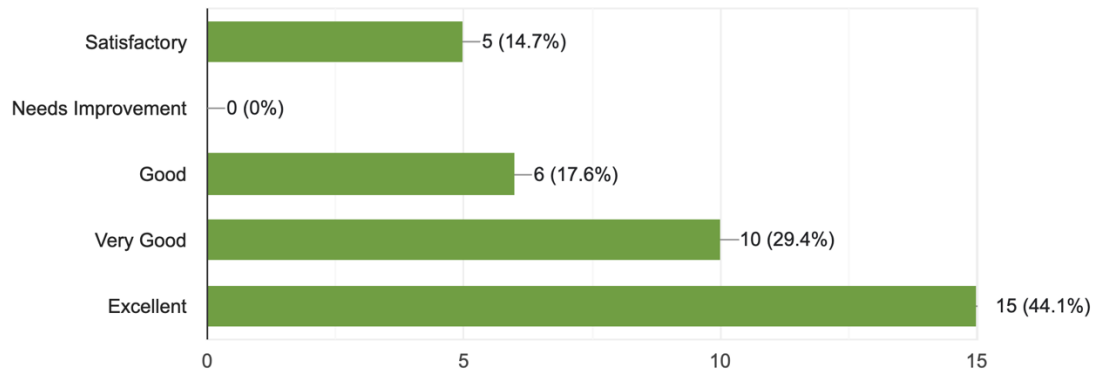
The Learning Management System (LMS) was easy to use

34 responses



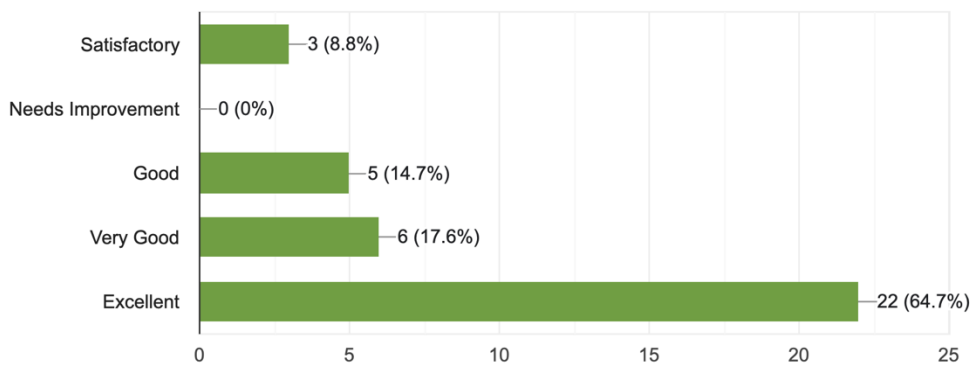
The instructor encouraged interaction and was helpful

34 responses



How was the exposure trip at Silviculture department

34 responses



New Concepts for me (50 words)

- ⇒ I was happy that i joined the course as I can learn many things from different teachers which will help me in further studies
- ⇒ I was able to gain a lot of practical knowledge like how to work in laminar flow, the overall practises of tissue culture with proper precautions. Overall I had a great experience through the certificate course and I am looking forward to attend such more courses.
- ⇒ DNA extraction projects
- ⇒ RAPD, RFLP, Concepts on practical hands-on like laminar flow hood, importance of sterile environment, PCR, Methods of gene identification and expression, etc.
- ⇒ Learned in depth about this topic
- ⇒ I came to learn many techniques about Plant biotechnology like PCR, AFLP, RFLP and many more. Also genetically produced crops/foods. I am glad that I joined this course.
- ⇒ Maybe I wanna learn more
- ⇒ As for me i have no new concept right now but whatever the new concept that maybe there i would like to learn more about them as the topic that i have heard so far is very interesting so I'm looking forward for more of it.
- ⇒ The certificate course added to my knowledge of many new and interesting topics. The lectures and practical's have improved my foundation and explained the basics of tissue culture of plants and genetic engineering of crops. The trip gave me ideas of what I may pursue later on in my career. It was not only educative but it was also a very nice and interesting experience. I will surely participate in more certificate courses like this one in the future and I would highly recommend it to my friends and dear ones.
- ⇒ It make's the doubt clarify to the student's..
There's a light way of studying about certificate course, there wasn't any problem handling about the course.I'm looking forward more on the course
- ⇒ Concepts of Molecular Biology
- ⇒ With the help of this certificate course i got a lots of new information on many new things and also got to know about new technology which we have used during this course.
- ⇒ Genetically modified plants, in vitro, types of plant tissue culture, techniques.
- ⇒ I enjoyed the course and learned from it.The content is well organised and focused on practicals....Thank you for organizing and a very special thanks to the great speakers...
- ⇒ Tissue culture though I have heard of it but in this course I learnt it in very details . Dna isolation was the best and the most interesting part of the course.
- ⇒ Most of the practical and classes were already covered in the class since I'm already in the last semester but the MCQ examination on each modules were very useful and knowledgeable
- ⇒ No new concept
- ⇒ This course was based in plant biotechnology. It helped us to learn about genetic engineering,

and tissue culture techniques. The trip to Upper Shillong increased our insights on tissue culture. We also learned how to extract DNA from leaves which was interesting.

- ⇒ This is a plant biotechnology course which helped us in knowing tissue culture and genetic engineering techniques. We also learned how to extract DNA from leaves and many more
- ⇒ The concept was clear and is useful for my further studies.
- ⇒ All the topics that were presented and explained were very insightful and I've learnt and understood the topics much better.
- ⇒ From this course I came to know more about plant tissue culture and I am encouraged and willing to participate in projects .
- ⇒ I got to know different aspects of plant tissue culture, the methods to prepare an explant, different applications of plant tissue culture, about the PCR, plant biotechnology and many more.
- ⇒ As this was a new concept of studies on biotechnology it was very nice.
- ⇒ Improve a lot
- ⇒ Certificate course on Tissue culture of animals
- ⇒ No concept
- ⇒ This course greatly broadened my point of view on PTC about how media for the culture is prepared and other interesting things like how all the cultures are well managed and kept in their optimum conditions. So far this course has been an interesting one.
- ⇒ Gene identification, Grafting, aesthetic value of plants' beauty in human life, plant tissue culture media and its purpose, composition. Linsmaier and Skoog medium and its different purpose, White's medium, Gellan gum, practical on plant DNA isolation
- ⇒ I learned a lot in the practical classes

Course Description/Overview

In the present scenario, the field of plant sciences now comprises numerous topics, that modern plant biologists are expected to have an extensive knowledge on such areas. The applied field of plant biotechnology includes areas such as plant tissue culture, plant molecular biology and gene manipulation. This course is aimed to focus on these aspects and the course content is designed to impart basic knowledge and information on the plant growth and requirements in vitro. The course is so designed with substantial number of practical/hands on sessions weaved into each module, that will help students to apply their theoretical knowledge in experimenting and exploring the subject. Each of these contact hours has course on fundamentals plant tissue culture, plant gene manipulation and plant molecular biology. Furthermore, each of the units will have assessment period of 1 hour and finally at the end there will be a presentation from the participants about the journey and appropriate feedback

- Fundamentals of computer basics.
- Database design and articulation with knowledge of KDD and various Data Mining tools.
- Fundamentals to MY SQL and Oracle with special emphasis on FOSS.
- Special file formats which are used in biotechnology & bioinformatics analysis.
- Introduction to NCBI databases and its potential for retrieval of various biological data for effective analysis.
- Some of the algorithms which are used in day to day activities by students, researchers for R & D activities.

Assessment & Examination.

Each students were assessed by the different module examination which comprise of 50 question with each carrying 2 mark. These question were designed based on the aptitude model with more reasoning ability thinking on key concepts and also their individual IQ levels. The questions were further formulated as key indicator of Bloom's taxonomy of various learning levels. The question were formulated based on the various course outcome (CO) with due weightage to each of the outcome.

The marks secured were then further evaluated and computed for the correlating with the Programme outcome (PO) which has further helped in the evaluation of individual attainment level.

Final Result:

The final result was computed with the average of the 3 module examination and appropriate grades were given to students.

REGISTRATION FORM

Certificate Course in Plant Biotechnology

4th - 26th May, 2022
Organised by Department of Biotechnology, St. Edmund's College, Shillong
Registration Closes at 6:00 PM 2nd May 2022

Email *

Valid email

This form is collecting emails. [Change settings](#)

Name of the Student *

Short answer text

Department *

Short answer text

University Roll No. *

Short answer text

College Roll No (To be provided in Linways format only) *

Short answer text

Mobile No. *

Short answer text

Reason for joining the Course *

Short answer text

I hereby declare that I will complete all the modules. *

☐ I agree

☐ I disagree

SAMPLE ONLY

FEEDBACK FORMS FOR TEACHERS

Section 1 of 2

FEEDBACK FORM (For Teachers)

Online Certificate Course in Bioinformatics (Level 0)

2nd March, - 21st March, 2021

Organised by Department of Biotechnology, St. Edmund's College, Shillong

Email address *

Valid email address

This form is collecting email addresses. [Change settings](#)

After section 1

Continue to next section

Section 2 of 2

Dear Teachers, Thank you very much for taking the trouble for delivering the lecture/practicals in the Certificate Course. . Your inputs/feedback on the overall conduct of the certificate course will help us to conduct better in the near future.

Description (optional)

Name *

Short answer text

SAMPLE ONLY

SAMPLE ONLY

Department *

Short answer text

The content of the course was *

☐ Satisfactory

☐ Needs Improvement

☐ Good

The time management to conduct the course was efficient *

☐ Strongly agree

☐ Agree

☐ Disagree

The response from the Learners during Lecture/interactive session were *

☐ Very Good

☐ Good

☐ Average

The Learning Management System (LMS) software used for running the course is up to date *

☐ Strongly agree

☐ Agree

☐ Disagree

Would you like to be a part of the next advanced level of the course *

☐ Yes

☐ No

Suggestion (if any) *

Long answer text

FEEDBACK FROM FOR STUDENTS

FEEDBACK FORM

Online Certificate Course in Bioinformatics (Level 0)

2nd March, - 21st March, 2021
Organised by Department of Biotechnology, St. Edmund's College, Shillong

Email address *

Valid email address

This form is collecting email addresses. [Change settings](#)

After section 1 Continue to next section

Section 2 of 2

Dear Participants, Thank you very much for joining the course. Your inputs/feedback on the overall conduct of the certificate course will help us to conduct better in the near future.

Description (optional)

The objective of the course clear to me *

☐ Satisfactory

☐ Needs Improvement

☐ Good

☐ Very Good

☐ Excellent

SAMPLE ONLY

3. The course content met with my expectation *

Check all that apply.

- ☐ Satisfactory
☐ Needs Improvement
☐ Good
☐ Very Good
☐ Excellent

9. The online teaching aids were used effectively *

Check all that apply.

- ☐ Satisfactory
☐ Needs Improvement
☐ Good
☐ Very Good
☐ Excellent

4. The lectures/videos were well planned *

Check all that apply.

- ☐ Satisfactory
☐ Needs Improvement
☐ Good
☐ Very Good
☐ Excellent

10. The Learning Management System (LMS) was easy to use *

Check all that apply.

- ☐ Satisfactory
☐ Needs Improvement
☐ Good
☐ Very Good
☐ Excellent

5. The course built on my knowledge & practices *

Check all that apply.

- ☐ Satisfactory
☐ Needs Improvement
☐ Good
☐ Very Good
☐ Excellent

11. The instructor encouraged interaction and was helpful *

Check all that apply.

- ☐ Satisfactory
☐ Needs Improvement
☐ Good
☐ Very Good
☐ Excellent

6. I would recommend the course to other colleagues *

Check all that apply.

- ☐ Satisfactory
☐ Needs Improvement
☐ Good
☐ Very Good
☐ Excellent

12. New Concepts for me (50 words) *

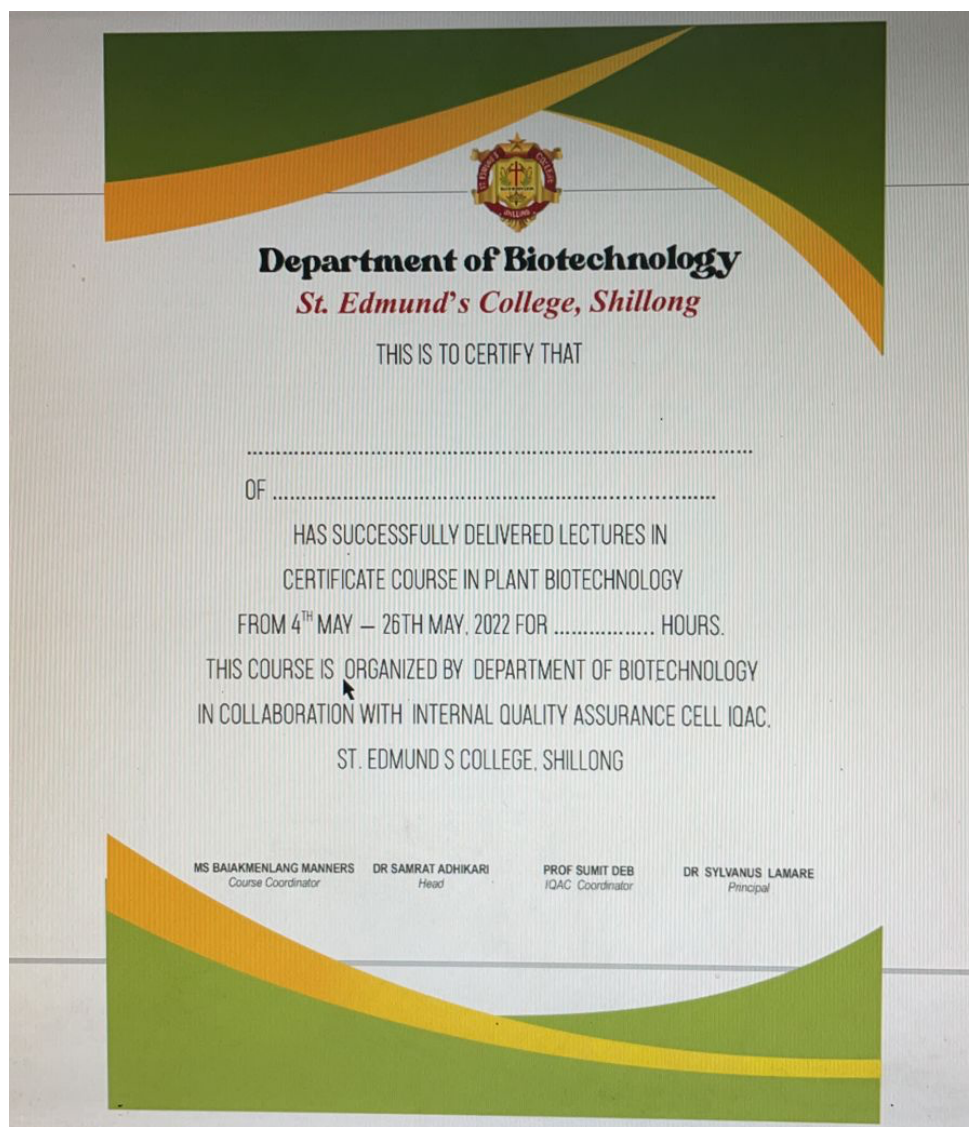
7. I would like to do the next level *

Check all that apply.

- ☐ Satisfactory
☐ Needs Improvement
☐ Good
☐ Very Good
☐ Excellent

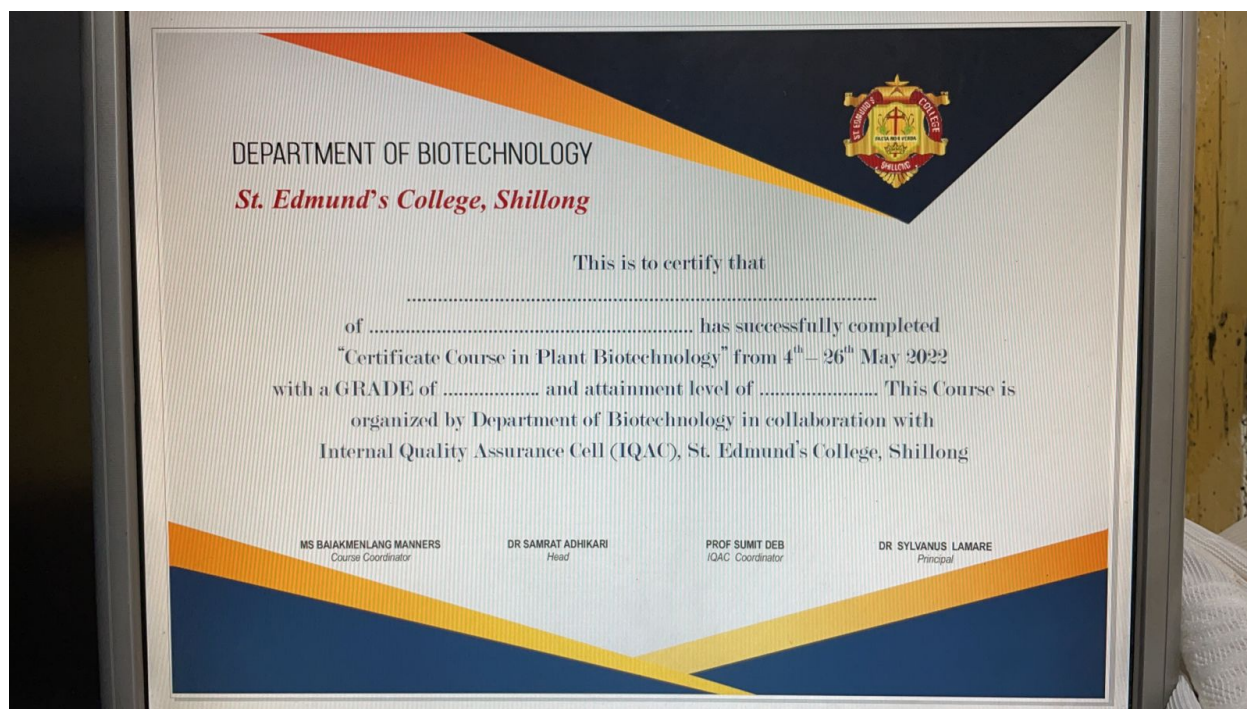
13. Suggestion (if any) *

CERTIFICATE FOR GUEST FACULTY



SAMPLE ONLY

CERTIFICATE FOR STUDENTS



SAMPLE ONLY







REPORT OF THE VALUE-ADDED COURSE ON

Academic Writing and Understanding the Ecosystem of Research

Conducted between 16-26 August 2022



ORGANISED BY

The Incubation Centre, St. Edmund's College, Shillong

In collaboration with

**The Internal Quality Assurance Cell (IQAC), St. Edmund's College,
Shillong, and the Department of Biotechnology, St. Edmund's
College, Shillong**

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ACKNOWLEDGEMENTS

This Value-Added Course — the first of its kind held in St. Edmund's College, Shillong — would not have come to fruition had it not been for the guidance and *enthusiasm* of **Dr. Samrat Adhikari**, Head, Department of Biotechnology, St. Edmund's College, Shillong.

I am also thankful for the support of **Br. (Dr.) Simon Coelho**, Secretary, Governing Body, St. Edmund's College, Shillong.

The two external speakers — **Lucas D'souza, Ph.D.** (Postdoctoral Research Associate I, Department of Immunology, University of Arizona) and **Ms. Suzanna Fonseca** (Senior Managing Editor, Cactus Communications) — delivered well-received talks, which accommodated the students' rudimentary understanding of *research* in the Life Sciences and motivated them to explore the realm of journal-based publishing.

Technical and logistical support, provided by **Ms. Priya Paul**, Technical Assistant, St. Edmund's College, Shillong, was invaluable.

The dedication of the **students** of the Department of Biotechnology, St. Edmund's College, Shillong, in attending a course which was external to their syllabus-regimented learning, is highly appreciated.

GENERAL INFORMATION

- a. **Title of the Course:** Academic Writing and Understanding the Ecosystem of Research
- b. **Total Contact Hours:** 28
- c. **Date of Approval:** 5 August 2022
- d. **Opening of registration process:** 8th August 2022
- e. **Closing of Registration Process:** 14th August 2022
- f. **Mode of Registration:** Online (Google Forms)
- g. **Date for Commencement of the Course:** 16 Aug 2022
- h. **Conclusion of the course:** 26th Aug 2022
- i. **Duration:** 36 hours
- j. **Total No of Students Enrolled:** 28
- k. **Registration Fees:** None
- l. **Course Coordinator:** Dr. Oliver Nelson Gonsalves, Research Facilitator, St. Edmund's College
- m. **External Speakers Involved:**

Dr. Lucas D'souza, Postdoctoral Research Associate I, Department of Immunobiology,
The University of Arizona College of Medicine

Ms. Suzana Fonseca, Senior Managing Editor, Cactus Communications

COURSE STRUCTURE

The subsequent sub-section will highlight various aspects of the course, such as Course Description, the Programme, and the profiles of the external speakers.

3.1 Course Description:

Research — especially at the undergraduate level — has become the focus of capability-enhancement activities within Indian universities. It is being promoted to enhance the skill sets of Indian graduates and prepare them for opportunities in higher education and industry. Such an initiative not only requires familiarity with contemporary research practices but also an understanding of the “ecosystem of research” (National Education Policy 2020, 45).

Conceptualised in July 2022, this five-module Value-Added Course (VAC) was designed to familiarise the students of the Department of Biotechnology, St. Edmund’s, Shillong, with elementary research etiquettes and enlighten them on the accepted process of publishing their research

3.2 Programme of the Course:

This course was divided into five modules. Two of these modules were managed by external subject-matter experts. The programme of the course is listed in the table below:

Module	Title	Presenter	Hours
I	<i>Basics of Academic/Research Writing</i>	Dr. Oliver Nelson Gonsalves	8
II	<i>What is Plagiarism?</i>	Dr. Oliver Nelson Gonsalves	8
III	<i>Grasping the Craft of Scientific Communication</i>	Dr. Oliver Nelson Gonsalves	8
IV	<i>Avoiding the Pitfalls of Research Misconduct</i>	Dr. Lucas D’souza	2
V	<i>Publishing the Right Way</i>	Ms. Suzana Fonseca	2

Apart from the five modules, eight hours were allotted for the assessment of the students’ assignments and their feedback on the conduct and *content* of the course. **All assignments received feedback** via the Learning Management System (Linways).

3.3 Mode of conduct of the Course:

The course was held online (on Zoom), over the period of ten working days. The duration of each module was five hours, with the total course comprising twenty-eight contact hours.

Online modules were preferred over offline classes for three reasons:

- a. Class schedules and practicals required that the conduct of this course be carried *after* regular working hours and, hence, the modules were conducted from 3 – 8 p.m.
- b. The festival of *Janmashtami* was observed on 18th August, 2022, which was also classified as a holiday in college. It was felt that students could join the module scheduled for that evening *after* engaging in festivities during the day.
- c. Weakness of the backups for the internet connection on the College premises. Backups, especially for the internet, take considerable time to kick in. Modules were hosted by the Research Facilitator (on Zoom) from his residence.

3.4 Grading Policy:

Students were assigned the following grades, based on the complete course assessments.

Marks	Final Grade
90-100	A+
80-90	A
70-80	B+
60-70	B
50-60	C+
40-50	C
Below 40	Needs improvement

3.5 Profiles of the External Subject-Matter Experts

Two out of the five modules had contributions from external subject-matter experts. These experts were personal connections of the Research Facilitator, who felt that the experience that each of these experts had gained in their own fields of expertise would bridge any gap in the subject-specific content of the course. Both experts have extensive experience in the field of Biotechnology; although this experience differed in terms of their professional goals.

The profiles of the two subject-matter experts are shown below:

1. **Dr. Lucas D'souza**, Postdoctoral Research Associate I, Department of Immunobiology, The University of Arizona College of Medicine



Lucas D'souza received his bachelor's and master's degrees from the University of Mumbai and went on to complete his Ph.D. from the National Institute of Immunology in New Delhi in 2016. He joined the lab in 2017 and since has been working to define why certain antibody specificities dominate an immune response to viral infections, and how the plasma cells that produce these antibodies persist.

2. **Ms. Suzana Fonseca**, Senior Managing Editor, Cactus Communications



Suzana Fonseca has a background in Biotechnology and has been with Editage for almost 7 years. She has extensive experience supporting ESL authors to help them make their research known to the world. She has rich experience in editing manuscripts from various fields such as molecular biology, pharmacology, toxicology, genetics, animal behavior, marine biology, and ecology. She has mentored and trained several senior editors and has played a significant role in setting up a team of managing editors, 70 in-house editors, and 800+ freelance editors and scientific reviewers, who have distinguished themselves in their respective fields of research in epidemiology, nursing, cardiology, plastic surgery, radiology, neuroscience, oncology, genetics, microbiology, taxonomy, pharmacokinetics, drug discovery, regulatory science, agricultural science, ecology, botany, and animal and marine science. She currently oversees delivery and quality for the Medicine, Life Sciences, and Earth and Environmental Science teams.

The two modules managed by the subject-matter experts were based on the two core components of this course — *research* and *publication*. Both presenters used PowerPoint presentations to communicate effectively with their audience.

LIST OF REGISTERED PARTICIPANTS

Serial Number	Student ID	Full Name	Semester
1	20/BIOT/402	Lavinia Warbah	V
2	20/BIOT/415	Fulbertstar Mawkhiew	V
3	20/BIOT/422	Cassiana Pohshna	V
4	20/BIOT/426	Phidarikynti Thangkhiew	V
5	20/BIOT/429	Suman Basumatary	V
6	20/BIOT/406	Mridushmita Das	V
7	20/BIOT/416	Markynti Wahlang	V
8	20/BIOT/424	Jasmine Jamatia	V
9	20/BIOT/427	Abantika Goswami	V
10	20/BIOT/439	Rohini Gautam	V
11	20/BIOT/409	Antarleena Bhattacharjee	V
12	20/BIOT/417	Pynbianglang Dkhar	V
13	20/BIOT/425	Rebecca Dolma L Marbaniang	V
14	20/BIOT/428	Barsha Rani Bora	V
15	21/BIOT/403	M Lhingneivah Haokip	III
16	21/BIOT/413	Lhingjoujam Misao	III
17	21/BIOT/420	Susmita Das	III
18	21/BIOT/428	Shimran Saigal	III
19	21/BIOT/444	Swagata Dutta	III
20	21/BIOT/404	Lisia Singpho	III
21	21/BIOT/414	Vanshika Jasrasaria	III
22	21/BIOT/421	Tapunishtha Borah	III
23	21/BIOT/429	Bhaswati Chakraborty	III
24	21/BIOT/402	Jiphila Roidill Shabong	III
25	21/BIOT/408	Ankita Hazarika	III
26	21/BIOT/416	Nairity Goswami	III
27	21/BIOT/422	Rajdeep Paul	III
28	21/BIOT/443	Arbanylla War	III

ATTENDANCE

Sr. No.	Student ID	Full Name	Semester	Attendance (%)
1	20/BIOT/402	Lavinia Warbah	V	80
2	20/BIOT/415	Fulbertstar Mawkhiew	V	40
3	20/BIOT/422	Cassiana Pohshna	V	40
4	20/BIOT/426	Phidarikynti Thangkhiew	V	80
5	20/BIOT/429	Suman Basumatary	V	80
6	20/BIOT/406	Mridushmita Das	V	80
7	20/BIOT/416	Markynti Wahlang	V	60
8	20/BIOT/424	Jasmine Jamatia	V	60
9	20/BIOT/427	Abantika Goswami	V	60
10	20/BIOT/439	Rohini Gautam	V	80
11	20/BIOT/409	Antarleena Bhattacharjee	V	40
12	20/BIOT/417	Pynbianglang Dkhar	V	80
13	20/BIOT/425	Rebecca Dolma L Marbaniang	V	80
14	20/BIOT/428	Barsha Rani Bora	V	40
15	21/BIOT/403	M Lhingneivah Haokip	III	100
16	21/BIOT/413	Lhingjoujam Misao	III	100
17	21/BIOT/420	Susmita Das	III	80
18	21/BIOT/428	Shimran Saigal	III	60
19	21/BIOT/444	Swagata Dutta	III	80
20	21/BIOT/404	Lisia Singpho	III	100
21	21/BIOT/414	Vanshika Jasrasaria	III	80
22	21/BIOT/421	Tapunishtha Borah	III	80
23	21/BIOT/429	Bhaswati Chakraborty	III	80
24	21/BIOT/402	Jiphila Roidill Shabong	III	80
25	21/BIOT/408	Ankita Hazarika	III	100
26	21/BIOT/416	Nairity Goswami	III	80
27	21/BIOT/422	Rajdeep Paul	III	80
28	21/BIOT/443	Arbanylla War	III	60

ASSIGNMENTS AND RESULTS

Assignments were disseminated after every module using the Learning Management System (LMS). These were designed by the Research Facilitator to test the students on their understanding of the topics discussed during the various modules. All assignments were based on the *practical aspects* of course.

6.1 Methodology of evaluation:

Each assignment carried five marks. In total, the four assignments were worth 20 marks. Marks from ALL FOUR assignments were used to obtain a final percentage score. Percentage of marks were converted to a grade. Refer to section 3.4 for this course's grading policy.

Thus, if a student scored 18/20, then the final percentage was calculated as 90% (18/20x100).

Only students who had scored a minimum of 40% and above are eligible for certificates (refer to Appendix B).

6.2 Composition of assignments:

Students were expected to upload on to the LMS their answers to FOUR assignments. Since the relevance of publications is far less at the undergraduate-level, assignments focused on testing research and analytical skills. They were given one week to submit (upload) their answer scripts, which were evaluated by the Research Facilitator. Difficulty levels of each assignment *decreased* over the duration of the course. Thus, Assignment 1 was the toughest, while Assignment 4 was the easiest.

6.3 Results:

The details of the marks scored and the final percentage attained is listed in the table below:

Sr. No.	Student ID	Full Name	A I	A II	A III	A IV	% of Marks	Grade
			5	5	5	5		
1	20/BIOT/402	Lavinia Warbah	1	5	3	5	70	B+
2	20/BIOT/415	Fulbertstar Mawkhiew	2	4	0	0	30	Needs improvement
3	20/BIOT/422	Cassiana Pohshna	3	3	1	4.5	57.5	C+
4	20/BIOT/426	Phidarikynti Thangkhiew	2	3	2	4.5	57.5	C+
5	20/BIOT/429	Suman Basumatary	2	4	2.5	5	67.5	B
6	20/BIOT/406	Mridushmita Das	2	3	4	5	70	B
7	20/BIOT/416	Markynti Wahlang	0	0	0	0	--	--
8	20/BIOT/424	Jasmine Jamatia	2	3	1	4.5	52.5	C+
9	20/BIOT/427	Abantika Goswami	2	3	0	5	50	C+
10	20/BIOT/439	Rohini Gautam	2	1	2.5	5	52.5	C+

11	20/BIOT/409	Antarleena Bhattacharjee	2	4	3.5	5	72.5	B+
12	20/BIOT/417	Pynbianglang Dkhar	2	3	0	5	50	C+
13	20/BIOT/425	Rebecca Dolma L Marbaniang	0	0	0	0	--	--
14	20/BIOT/428	Barsha Rani Bora	2	3	1	5	55	C+
15	21/BIOT/403	M Lhingneivah Haokip	3	3	3.5	5	72.5	B+
16	21/BIOT/413	Lhingjoujam Misao	3	3	0	5	55	C+
17	21/BIOT/420	Susmita Das	2	2	5	5	70	B+
18	21/BIOT/428	Shimran Saigal	2	2	5	5	70	B+
19	21/BIOT/444	Swagata Dutta	0	0	0	0	--	--
20	21/BIOT/404	Lisia Singpho	2	4	3.5	0	47.5	C
21	21/BIOT/414	Vanshika Jasrasaria	2	4.5	5	5	82.5	A
22	21/BIOT/421	Tapunishtha Borah	0	0	0	0	--	--
23	21/BIOT/429	Bhaswati Chakraborty	0	0	0	0	--	--
24	21/BIOT/402	Jiphila Roidill Shabong	4	4	5	5	90	A+
25	21/BIOT/408	Ankita Hazarika	3	3	4	0	50	C+
26	21/BIOT/416	Nairity Goswami	0	0	0	0	--	--
27	21/BIOT/422	Rajdeep Paul	1	4	0	0	25	Needs improvement
28	21/BIOT/443	Arbanylla War	2	3	5	0	50	C+

Out of 28 students who registered for the course, only 20 passed this course. Thus, **this course had a passing percentage of 71.42%**. Six students did not submit any assignments (listed in the table above as AI, A II, A III and A IV) and two students scored less than 40 per cent. **Figure 1** below is a graphical display of the percentage scores of all 28 students.

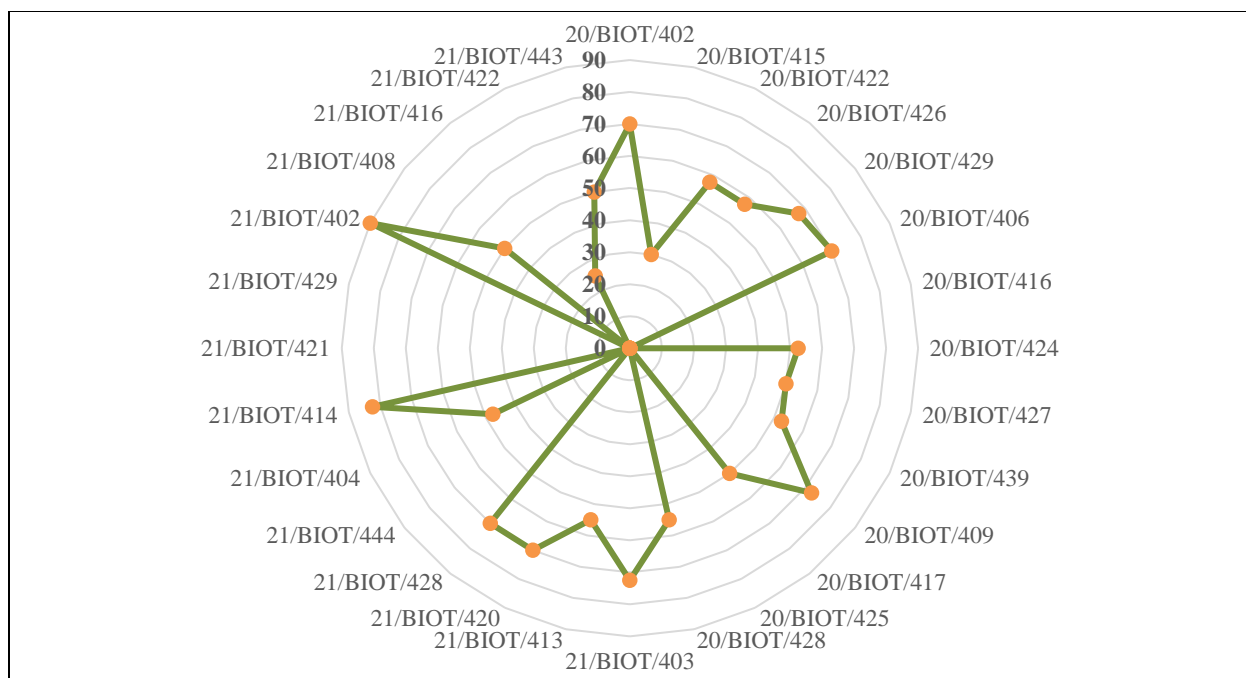


Figure 1: Percentage score of students

Note: This data was plotted using MS Excel.

The final result was computed with the average of the four assessments and appropriate grades were given to students. Refer to section 6.3 for more information.

6.4 Analysis:

Figure 2 (below) shows readers the marks attained by the students of this VAC across four assignments, which were designed by the Research Facilitator.

These assignments were also evaluated by the Research Facilitator. While figure 1 shows the overall performance of students at the end of the course, figure 2 gives readers a more detailed insight of their understanding of the contents and, ultimately, the objectives of this course, across the five modules.

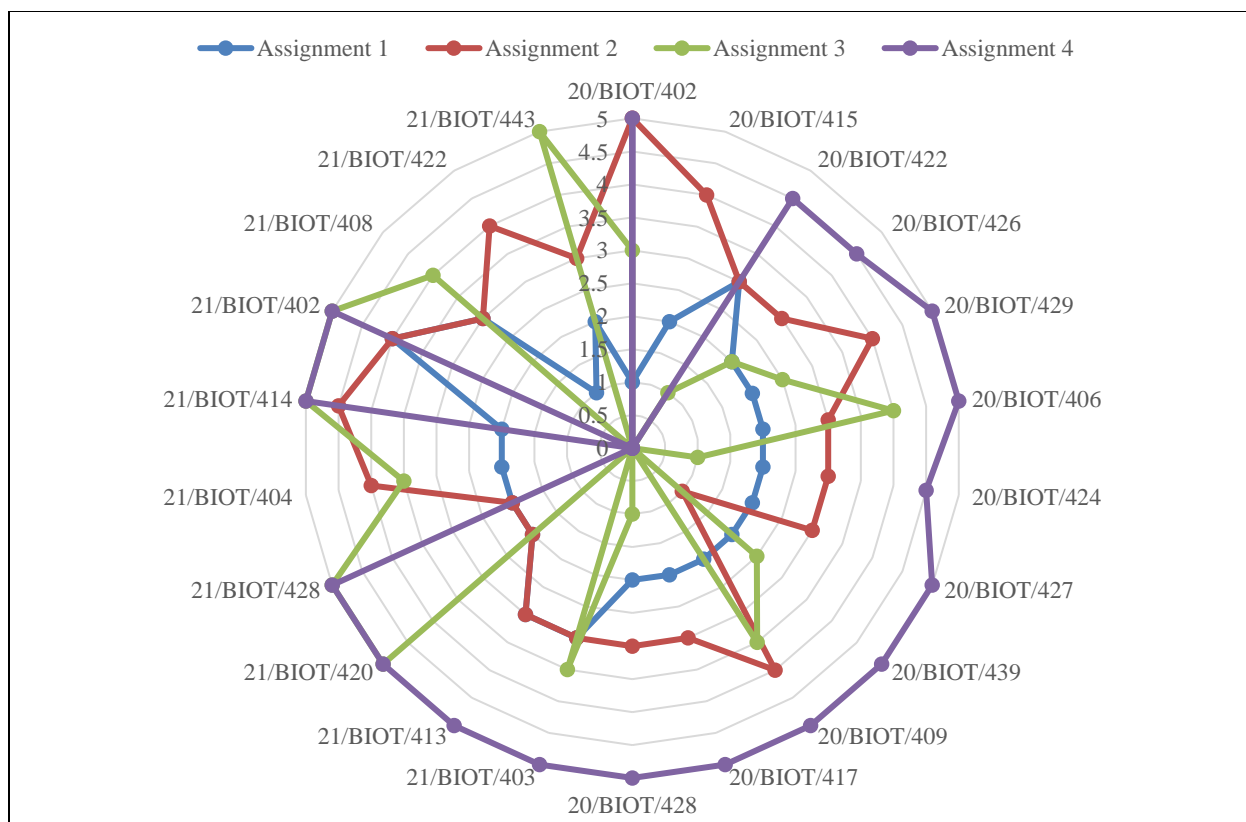


Figure 2: Spread of marks across four assignments

Note: The data is represented in marks (out of five) and plotted using MS Excel.

An assessment of the scoring pattern from figure 2 elicits relevant points of discussion. They are outlined below:

- As mentioned in **section 6.2**, “Difficulty levels of each assignment *decreased* over the duration of the course”. Figure 2 shows that most students attained their highest scores in Assignment IV. This was an expected outcome since Assignments I and II tested the language and comprehension skills of the students. Since these skills are not the primary focus of most undergraduate and graduate courses, much less a degree in Biotechnology, students may have found it difficult to tap into skills that they had *probably* ignored after completing their higher secondary studies.
- Herein, we arrive at the second observation: students are highly attuned to *descriptive* writing, instead of *analytical* writing (which will be discussed in greater detail in the following paragraphs). Take, for instance, Assignment I. Students were asked to “Rewrite and rephrase (using punctuations)” a paragraph. None of the approximately 22 students

who submitted their assignments rewrote the paragraph. Instead, students confined themselves to punctuation and a very limited use of the thesaurus.

- c. The progression from Assignments I to IV assumed that students would gradually develop *analytical* skills by way of *analytical writing*. Assignment III, which asked students to, “Write two simple and two complex sentences using data from the figure (Top FDI Sources in India)” saw some students giving descriptions of the figures themselves, while others made comparisons of two countries in two different time frames.

There is no doubt that the students could comprehend the assignment. Rather, it was observed that most of the students could not express their ideas on paper.

The above three points only identify *flaws*. The effort — and interest — of the students for a novel course, such as this, is palpable and, herein, lies the potential to achieve a unique outcome. Given the fact that this course does not carry any credit in their semester scores, a 78% attempt at submitting the various assignments demonstrates interest in developing a skill set that has huge impact in career development.

Moving forward, these perceivable flaws can be rectified by exposing the students to research papers. The Department of Biotechnology, which is one of the leading departments in the College that publishes regularly, could have a few sessions with their students to familiarise them with journal-based publication. The structured process of writing (for journals) will enhance the students’ ability to develop a logic-flow.

FEEDBACK FROM STUDENTS

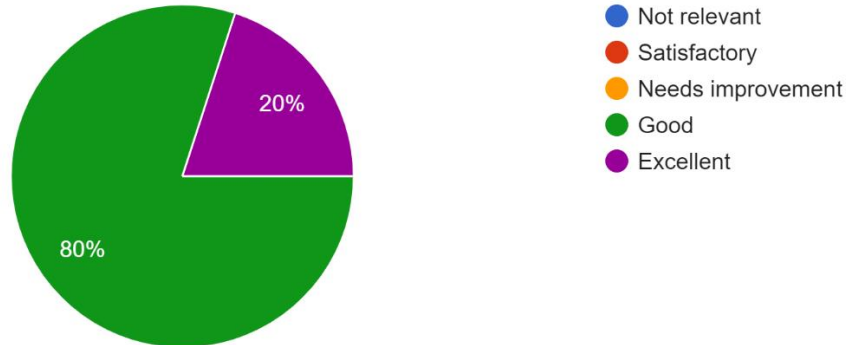
A Google Form was designed to assess feedback from the students. The link (URL) of this form is:

https://docs.google.com/forms/d/e/1FAIpQLSeR3a1MODwGDXOW_RbBsvJ5-HrdTy2pgqbtrSGDm3cAGie9cA/viewform?usp=sf_link

Out of the 28 students who registered for this course, only 10 responded to the Research Facilitator's request for feedback. The analysis is depicted below.

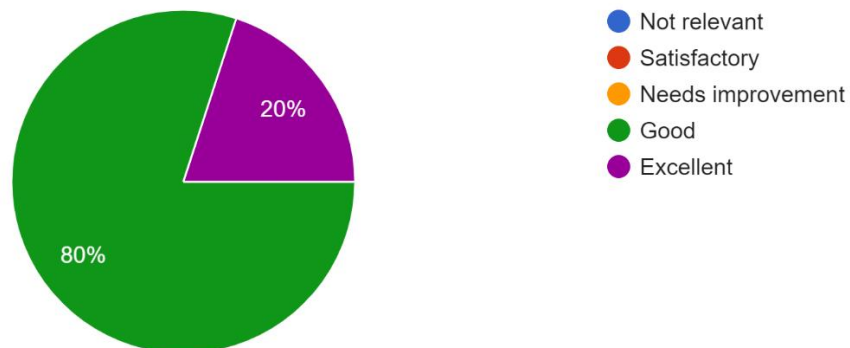
Were the objectives of the course clear to you?

10 responses



How relevant was the content of the course?

10 responses



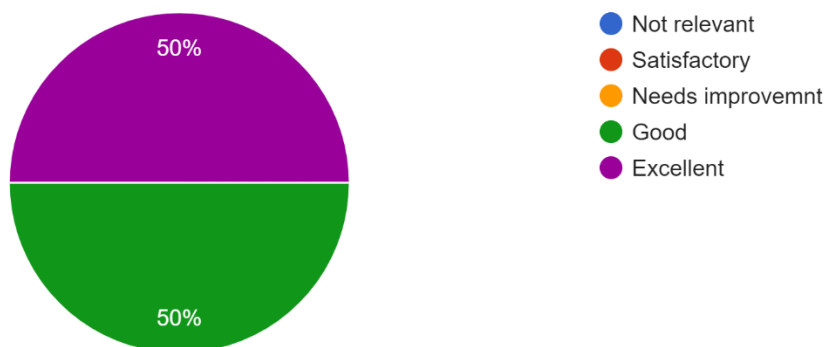
How was the structure (organisation/planning) of the course?

10 responses



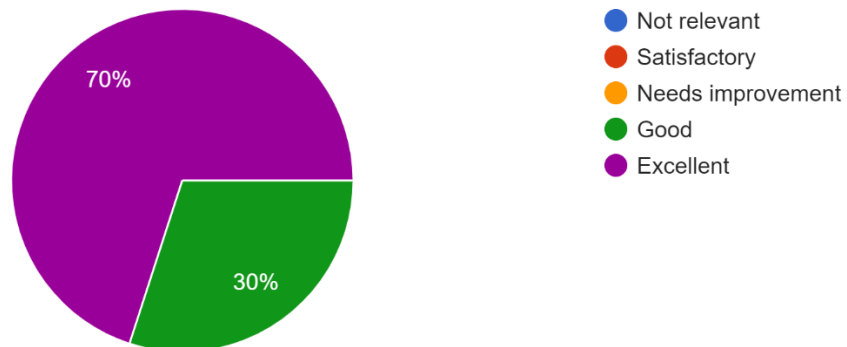
Did the content of the course enhance your understanding of research in the Life Sciences?

10 responses



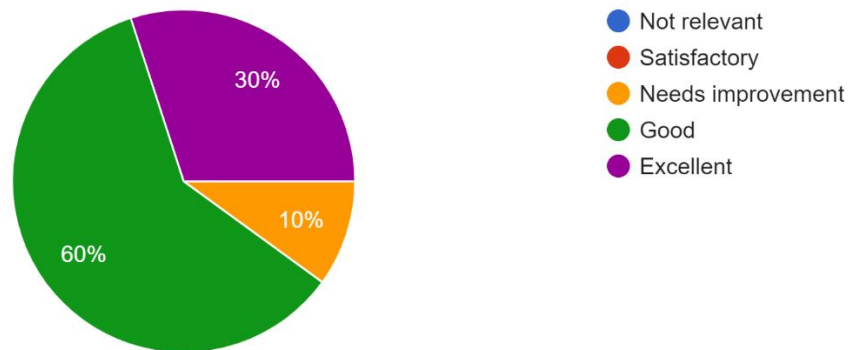
Did the course content familiarise you with the ecosystem (process) of publishing your work in academic journals?

10 responses



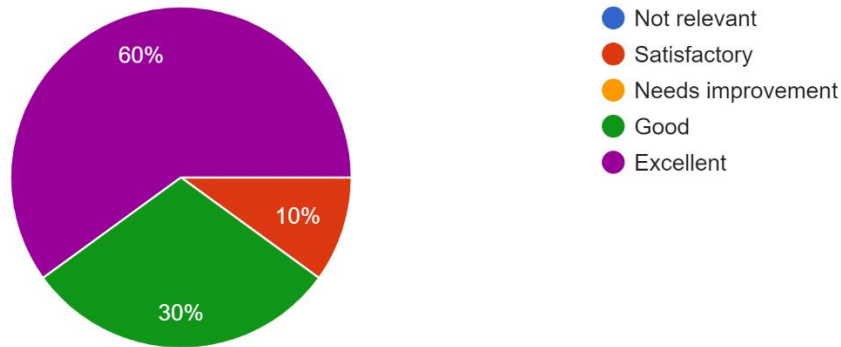
How relevant did you find the assignments?

10 responses



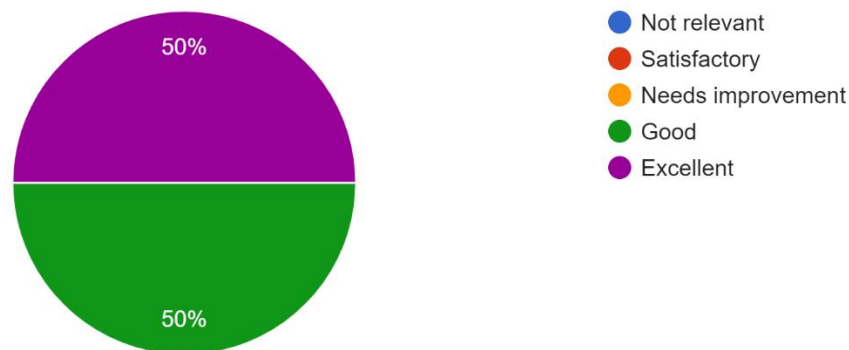
Were the sessions interactive enough?

10 responses



How would you describe this course to your friends?

10 responses



Do you have any **SUGGESTIONS** for the Research Facilitator on how to improve this course?*

- It was a really informative course. Would like to have such similar courses more often. Facilitators were really interactive and helpful. Overall, it was a good experience.
- It was quite interesting & good. No need of improvement.
- Taking up more modules

* The most significant suggestions are included here. The remaining seven students responded that there further improvements required.

FINANCIAL STATEMENT

There were no financial implications on the College.

APPENDICES

The following materials were used as supplementary material to enhance the merit of this course:

9.1 Appendix A (Brochure)



Value Added Course - Academic Writing and Understanding the Ecosystem of Research

Organised by the Incubation Centre,
in collaboration with the Internal Quality Assurance Cell (IQAC), St. Edmund's College, Shillong

Introduction

Research – especially at the undergraduate level – has become the focus of capability-enhancement activities within Indian universities. It is being promoted to enhance the skill sets of Indian graduates and prepare them for opportunities in higher education and industry. Such an initiative not only requires familiarity with contemporary research practices but also an understanding of the “ecosystem of research” (National Education Policy 2020, 45).

Objectives

This five-module Value-Added Course is designed to familiarise the students of the Department of Biotechnology, St. Edmund's, Shillong, with elementary research etiquettes and enlighten them on the accepted process of publishing their research.

Course Content

Content	Hours
Module I: Basics of Academic/Research Writing	8
Module II: What is Plagiarism?	8
Module III: Grasping the craft of scientific communication	8
Module IV: Avoiding the Pitfalls of Research Misconduct – Talk by external presenter	2
Module V: Publishing the Right Way – Talk by external presenter	2

Target Participants

The course is only open for the Biotechnology students of St. Edmund's College.

Course Fees

No Course Fee

Presenter(s)

- ☐ Oliver Nelson Gonsalves, PhD, Research Facilitator, St. Edmund's College, Shillong
- ☐ Lucas D'souza, PhD, Postdoctoral Research Associate, Department of Immunobiology, The University of Arizona
- ☐ Sezzana Fonseca, Senior Managing Editor, Cactus Communications

Assessments*

Upon completion of each module (Contact hours of 28) participants will have to respond to an online questionnaire series. Each module will also have short assignments based on the practical knowledge disseminated during the class. The results shall be graded accordingly with analysis of the feedback.

Mode

This course will be conducted online (Zoom)

How to Apply

REGISTER HERE

For queries, please contact**

Oliver N Gonsalves, PhD
Research Facilitator
Incubation Centre
St. Edmund's College, Shillong
Email id:
olivenelsongonsalves@gmail.com

Important Dates

Registration Opens	8 th Aug 2022
Registration Closes	14 th Aug 2022
Commencement of the Course	16 th Aug 2022
Timings	3:00 p.m. – 8:00 p.m.
Module I	16-19 th Aug 2022
Module II	20-22 nd Aug 2022
Module III	23-24 th Aug 2022
Module IV	25 th Aug 2022
Module V	26 th Aug 2022

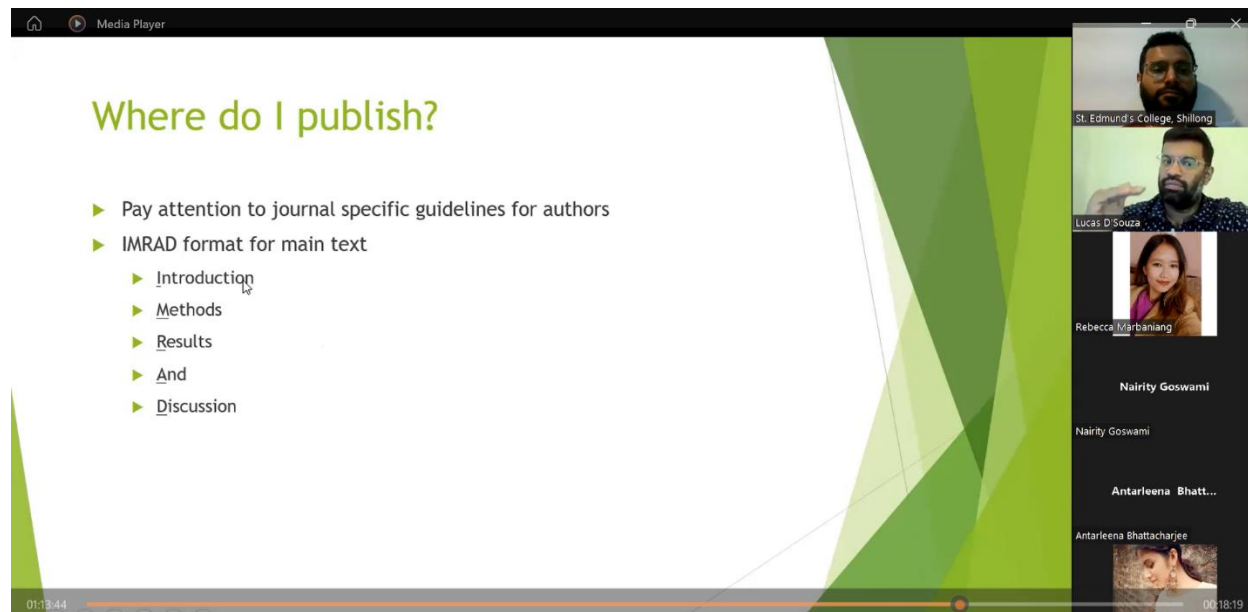
***Participants who have completed ALL modules of the 36-hour course will be provided with certificates**

****Kindly note all correspondence will be through e-mail only**

9.2 Appendix B (Template of the Certificate)



9.3 Appendix B (Screenshots of the online sessions by the external resource persons)



Media Player

DO's

- Provide sufficient details to replicate the study
- Structure with informative subheadings.
 - **Materials:** Drugs, buffers, chemicals, gases, reagents, cell lines, etc.
 - **Participants/subjects:** Animals (include approvals from relevant ethic's committee)/Humans (include approvals and informed consent details) Experimental protocol/study design
 - **Measurements** (dependent and independent variables)
 - **Instruments** (microscope, questionnaire, etc.)
 - **Analyses**
- Cite references for commonly used methods/protocols

Vascular permeability assays.
Vascular permeability was induced using a modified Miles assay ^{[14], [15]}

DON'T's

- Reserve experimental information to be introduced in the Results/Figure legends
- Provide incomplete information about the equipment and reagents.

The first time each manufacturer/vendor is mentioned in the Materials and Methods section, please also list the city, state (US-based companies only), and country of origin. Thereafter, it is sufficient to simply provide the company's name.

Product name (Company name, City, State abbreviation, Country)

Note that the country name for vendors in the U.S. is not required, but is often provided.

- Use the term " at room temperature"
- Hesitate to use jargon and the passive voice more liberally

St Edmund's College, Shillong

Suzana Fonseca

Antarleena Bhatt...

Antarleena Bhattacharjee

Jasmine

Jasmine

Grace Lhingneiva...

Grace Lhingneivah HAOKIP

01:06:02

00:53:55



Research Facilitator
St. Edmund's College
Shillong - 793003

REPORT OF THE VALUE-ADDED COURSE ON

Academic Writing and Understanding the Ecosystem of Research

Conducted between 17-27 October 2022



ORGANISED BY

The Incubation Centre, St. Edmund's College, Shillong

In collaboration with

**The Internal Quality Assurance Cell (IQAC), St. Edmund's College,
Shillong**

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ACKNOWLEDGEMENTS

The Incubation Centre of St. Edmund's College, Shillong, has notched another achievement in its belt. And yet, there is so much more to achieve.

This course followed the first Value-Added Course (VAC), which was held in August 2022, and incorporated a few critical lessons to elicit outcomes in the form of written work by the students as well as promote analytical writing within their coursework. In attempting this tall, but achievable objective, the support of **Dr. Samrat Adhikari**, Head, Department of Biotechnology, St. Edmund's College, Shillong, is always palpable.

Br. (Dr.) Simon Coelho, Secretary, Governing Body, St. Edmund's College, Shillong, insisted that the lessons learned from the first course (with the students from the Department of Biotechnology) be applied to improve the appeal of the second. His enthusiasm to expose students to new developments in academia is very encouraging.

In delivering a brief opening address to the students on Day 1 of the course, by **Dr. (Capt). K. P. Pallavi Malhan**, Vice Principal (Academics), St. Edmund's College, Shillong, highlighted the College's vision to improve the skill-sets of students and endorsed a result-oriented approach for future courses to be held by the Incubation Centre.

I am grateful for the presence of the two external subject-matter experts. **Dr. Alwin D'souza** and **Dr. Ektaa Jain** were generous with their time and accommodated my requests by adjusting their schedules. Their online interaction with the undergraduate students was based on their personal experiences; it showed them how to make their research projects productive.

As always, **Ms. Priya Paul**, Technical Assistant, St. Edmund's College, Shillong, was on the ball. Her confidence in tackling technical hurdles is infectious and the Incubation Centre is grateful for her support.

Finally, the **students from the Departments of Economics, Political Science and Sociology**, St. Edmund's College, Shillong, were inquisitive about the skills that they could develop from this course. Their impending end-semester exams did not dilute their interest in patiently listening to the various modules and actively engaging in the discussions that followed.

GENERAL INFORMATION

- a. **Title of the Course:** Academic Writing and Understanding the Ecosystem of Research
- b. **Total Contact Hours:** 28
- c. **Date of Approval:** 13 October 2022
- d. **Opening of registration process:** 14 October 2022
- e. **Closing of Registration Process:** 17 October 2022
- f. **Mode of Registration:** [Online \(Google Forms\)](#)
- g. **Date for Commencement of the Course:** 17 October 2022
- h. **Conclusion of the course:** 27 October 2022
- i. **Duration:** 36 hours
- j. **Total No of Students Enrolled:** 61
- k. **Registration Fees:** None
- l. **Course Coordinator:** Dr. Oliver Nelson Gonsalves, Research Facilitator, St. Edmund's College
- m. **External Speakers Involved:**

Dr. Alwin D'souza, Assistant Professor of Agribusiness in the Department of Agricultural Economics and Agribusiness at New Mexico State University

Dr. Ektaa Jain, ICE-CCE Certified Life Coach | Career Transition Coach

COURSE STRUCTURE

The subsequent sub-section will highlight various aspects of the course, such as Course Description, the Programme, and the profiles of the external speakers.

3.1 Course Description:

This five-module Value-Added Course was designed to familiarise the students of the Departments of Political Science, Economics, and Sociology with elementary research etiquettes and enlighten them on the accepted process of publishing their research. Students who are interested in pursuing degrees in higher education *will* encounter terms like “publications”, “working papers”, “original research articles”, “review articles” etc. Further — and more critical to the discussion — they will be expected to *analyse* articles (from course-specified reading lists) and have discussions with their instructors. Students who are dependent on classroom notes and text books will find themselves in unfamiliar waters. Familiarity with the research process will help them cope with the rigours of higher education (for instance, what constitutes plagiarism) and what will soon become a permanent requirement of the academic environment — publications.

A secondary — albeit equally vital objective — is the development of *logic-flow* among students. This is applicable to even those students who may not be interested in pursuing higher education. At the undergraduate-level, students are encouraged to present descriptive responses to test their knowledge of basic concepts. Analytical arguments or critical analysis of subject-specific problems are disseminated at higher levels of education. Model IV of this course will introduce the importance of including critical analysis within their answers; the idea, here, is to help them develop this core competency by learning how to vet information.

Some of the exercises pertinent to the secondary objective will include:

- Creation of organograms and flow charts
- Arguments made from observing tables, graphs, figures

3.2 Programme of the Course:

This course was initially scheduled to include only four modules, over ten days. The fifth module on, *how to write book reviews*, was a continuation of a discussion which the students had broached during the previous modules — the students were interested in improving their writing skills. Book reviews were suggested as a medium for their writing as these are not as time-intensive as research articles, and could be pursued by under-graduate students over the Winter vacations.

Moving on, the presentations by the external subject-matter experts covered the module on, *Publishing the Right Way – Avenues for publishing your work*. The programme of the course is listed in the table below:

Module	Title	Presenter	Hours
I	<i>Basics of Academic/Research Writing</i>	Dr. Oliver Nelson Gonsalves	8
II	<i>What is Plagiarism?</i>	Dr. Oliver Nelson Gonsalves and Dr. Ektaa Jain	8
III	<i>Grasping the Craft of Scientific Communication</i>	Dr. Oliver Nelson Gonsalves	2
IV	<i>Publishing the Right Way – Avenues for publishing your work</i>	Dr. Oliver Nelson Gonsalves and Dr. Alwin D'souza	8
V	Additional sessions on, <i>How to write book reviews</i>	Dr. Oliver Nelson Gonsalves	2

Apart from the five modules, eight hours were allotted for the assessment of the students' assignments and their feedback on the conduct and *content* of the course. **All assignments received feedback** via the Learning Management System (Linways).

3.3 Mode of conduct of the Course:

Based on the suggestion of the Vice Principal (Academics), this course was held in hybrid mode (comprising online and offline sessions). In this case, only the first module was held offline, the venue being the college auditorium. Sessions on the remaining days were held online (on Zoom). The duration of each module was five hours, with the total course comprising twenty-eight contact hours.

A hybrid mode was preferred for three reasons:

- Class schedules and practicals required that the conduct of this course be carried *after* regular working hours and, hence, the modules were conducted from 3 – 5 p.m.
- An offline session — even for one module — would be easier to convey the objectives of this course and a personal touch would enhance student-teacher interaction after the conclusion of the course.
- Weakness of the backups for the internet connection on the College premises. Backups, especially for the internet, take considerable time to kick in. Modules were hosted by the Research Facilitator (on Zoom) from his residence.
- Internet connectivity was prioritised since the Course Coordinator demonstrated the utility of Google Scholar, the UGC-CARE database and various other online platforms.

- e. The external subject-matter experts were based out of Shillong.

3.4 Grading Policy:

Students were assigned the following grades, based on the complete course assessments.

Marks	Final Grade
90-100	A+
80-90	A
70-80	B+
60-70	B
50-60	C+
40-50	C
Below 40	Needs improvement

3.5 Profiles of the External Subject-Matter Experts

Two out of the five modules were managed by external subject-matter experts. These experts were personal connections of the Research Facilitator, who felt that the experience that each of these experts had gained in their own fields of expertise would bridge any gap in the subject-specific content of the course. External subject-matter experts were invited to deliver a two-hour PowerPoint presentation over Zoom followed by a discussion.

The profiles of the two subject-matter experts are shown below:

1. **Dr. Alwin D'souza**, Assistant Professor of Agribusiness in the Department of Agricultural Economics and Agribusiness at New Mexico State University



Dr. D'souza has a Ph.D. in Business Administration (Agribusiness) from the Morrison School of Agribusiness at Arizona State University. His research interests primarily lie in identifying mechanisms that lead to efficient production of agricultural commodities and marketing perishable foods in the supply chain. His research focuses on (i) Production Economics, (ii) Risk Management, (iii) Contract Farming, (iv) Food Security, (v) Supply Chain Management, and (vi) Food Loss and Waste.

He has published in peer-reviewed journals such as Applied Economic Perspectives and Policy, Food Policy, Agricultural Economics, Agribusiness, Food Security, The Australian Journal of Agricultural and Resource Economics, and Land Use Policy.

2. Dr. Ektaa Jain, ICE-CCE Certified Life Coach | Career Transition Coach



Dr. Jain takes pride in calling herself an educationist and art connoisseur. Having completed her B.A Hons. Sociology from Lady Shri Ram College for Women & M.A, M.Phil, Ph.D from Jawaharlal Nehru University, she pursued her research work in the field of crafts, education; development. Her doctoral thesis is titled “Craft & Fashion: A Sociological Analysis of Chippa community in Bagru in Rajasthan”. She has been actively involved in Multi-volume Documentation Project of Rashtrapati Bhavan with IGNCA & President’s Secretariat. This included Flora & Fauna of Rashtrapati Bhavan, Life at President Estate, Work on Presidential Bodyguards etc. She has worked as a Guest Faculty at prestigious colleges like LSR, New Delhi. She has also been part of Intl. Conferences and workshops like IIAS Shimla. Her literary contributions have also been published by Routledge, Orient Blackswan and other prominent journals.

Along with the field of academics & writing, she has ventured into the domain of seeking goodness in life through Professional Life Coaching. She is a certified Coach & Trainer with specialisation in student training, confidence & personality building, image consultancy.

The module managed by the subject-matter experts were based on the two core components of this course — *research and publication*. They have extensive publishing experience; Dr. D’souza, in fact, had published an article which is included in the list of suggested readings for Paper III (Indian Economy) of the undergraduate Economics course.¹

¹ D’souza, A. and A.S. Ray (2014), “Structural Transformation in the North-Eastern Region of India: Charting out an agriculture-based development policy” Discussion Paper, Centre for International Trade & Development, JNU. http://www.jnu.ac.in/SIS/CITD/DiscussionPapers/DP04_2014.pdf

LIST OF REGISTERED PARTICIPANTS

Serial No.	Enrollment No.	Full Name	Department	Semester
1	20/ECON/060	Philasara Nongkhlaw	Economics	V
2	20/ECON/063	Ronald K Suting	Economics	V
3	20/ECON/074	Sdangminaka Suja	Economics	V
4	20/ECON/077	Rihokiaki Suja	Economics	V
5	20/ECON/255	Shidariti Kharkongor	Economics	V
6	20/ECON/259	George Fernando Sun	Economics	V
7	20/ECON/262	Droma Tsering Murphew	Economics	V
8	20/ECON/055	Debopriya Bhattacharjee	Economics	V
9	20/ECON/061	Saphi Bapynkmen Lyngwa	Economics	V
10	20/ECON/064	Fedalick Syngkon	Economics	V
11	20/ECON/069	Simran Khatun	Economics	V
12	20/ECON/076	Judi Lalumpui	Economics	V
13	20/ECON/254	Aibanshai Pyngrope	Economics	V
14	20/ECON/266	Krishna Kumari Thapa	Economics	V
15	20/ECON/078	Madhurjya Pratim Das	Economics	V
16	20/ECON/258	Ngayur Mungrei	Economics	V
17	20/POLS/391	Jangminlun Haokip	Political Science	V
18	20/SOCI/206	Muskan Ahmed	Sociology	V
19	20/SOCI/207	Dikshita Phukan	Sociology	V
20	20/SOCI/411	Dragila Molshoy	Sociology	V
21	20/SOCI/416	Indrani Baishya	Sociology	V
22	20/SOCI/211	Imjungrenla Longchar	Sociology	V
23	20/SOCI/230	Daisy Kakati	Sociology	V
24	20/SOCI/403	Sareo Zasoon	Sociology	V
25	20/SOCI/418	Hathoithiem Gangte	Sociology	V
26	20/SOCI/424	Ayushmi Kashyap	Sociology	V
27	20/ECON/269	Da E Kynsai Mitre Pyrngap	Economics	V
28	20/POLS/392	Lalfamkima	Political Science	V
29	21/ECON/068	Krishna Sharma	Economics	III
30	21/ECON/075	Ngamminhao Lhungdim	Economics	III
31	21/ECON/079	Zebeen Riwanmika Pakyntein	Economics	III
32	21/ECON/080	Minggamchi G Momin	Economics	III
33	21/ECON/093	Sharmynrap Biam	Economics	III
34	21/ECON/099	Linda Hidam	Economics	III
35	21/ECON/116	Moromi Barman	Economics	III
36	21/ECON/117	Jitender Singh	Economics	III
37	21/ECON/120	Gugun	Economics	III

38	21/ECON/108	Tage Mammu	Economics	III
39	21/ECON/069	Kashyapi Bezbaruah	Economics	III
40	21/POLS/310	Priya Moshahary	Political Science	III
41	21/POLS/350	Dikshita Das	Political Science	III
42	21/SOCI/373	Ashruta Dutta	Sociology	III
43	22/ECON/003	Vedika Das	Economics	I
44	22/ECON/004	Hracho Hlychho	Economics	I
45	22/ECON/010	Lalhmingchhuanga	Economics	I
46	22/ECON/019	Naphisabetbha Syiemlieh	Economics	I
47	22/ECON/033	Aibaphylla Basaiawmoit	Economics	I
48	22/ECON/038	Thomas Malsawma	Economics	I
49	22/ECON/056	Vikash Kumar Ray	Economics	I
50	22/ECON/058	Yash Kumar Singh	Economics	I
51	22/ECON/063	Gopal Yudik	Economics	I
52	22/ECON/009	Benjamin Vanlalthlanga	Economics	I
53	22/ECON/026	Lungoulen Chongloi	Economics	I
54	22/ECON/039	Laishram Kangleinganba Singh	Economics	I
55	22/ECON/050	Indaker Kharbangar	Economics	I
56	22/ECON/061	Alex Reang	Economics	I
57	22/ECON/052	Gracy Thabah	Economics	I
58	22/POLS/001	Elena Phebe Awungshi	Political Science	I
59	22/POLS/063	Dasanibha Kharbangar	Political Science	I
60	22/SOCI/052	Sukanya Deka	Sociology	I
61	22/SOCI/058	M Jessica Kom	Sociology	I

Figure 1 (below) is a graphical representation of the list of registered participants:

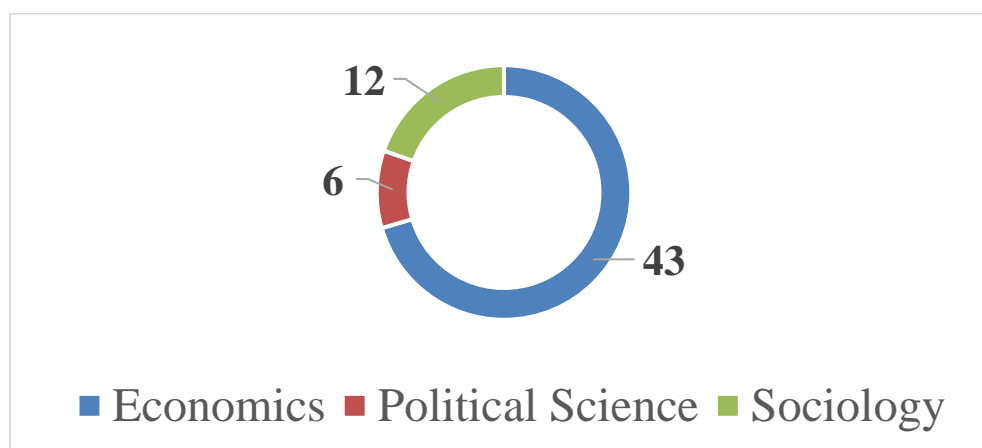


Figure 1: Subject-wise breakup of participants

ATTENDANCE

Sr. No.	Enrollment No.	Full Name	Semester	Attendance (%)
1	20/ECON/060	Philasara Nongkhlaw	V	80
2	20/ECON/063	Ronald K Suting	V	40
3	20/ECON/074	Sdangminaka Suja	V	40
4	20/ECON/077	Rihokiaki Suja	V	80
5	20/ECON/255	Shidariti Kharkongor	V	80
6	20/ECON/259	George Fernando Sun	V	100
7	20/ECON/262	Droma Tsering Murpew	V	60
8	20/ECON/055	Debopriya Bhattacharjee	V	60
9	20/ECON/061	Saphi Bapynkmen Lyngwa	V	60
10	20/ECON/064	Fedalick Syngkon	V	80
11	20/ECON/069	Simran Khatun	V	100
12	20/ECON/076	Judi Lalumpui	V	80
13	20/ECON/254	Aibanshai Pyngrope	V	80
14	20/ECON/266	Krishna Kumari Thapa	V	40
15	20/ECON/078	Madhurjya Pratim Das	V	N.A.
16	20/ECON/258	Ngayur Mungrei	V	N.A.
17	20/POLS/391	Jangminlun Haokip	V	80
18	20/SOCI/206	Muskan Ahmed	V	100
19	20/SOCI/207	Dikshita Phukan	V	100
20	20/SOCI/411	Dragila Molshoy	V	N.A.
21	20/SOCI/416	Indrani Baishya	V	100
22	20/SOCI/211	Imjungrenla Longchar	V	100
23	20/SOCI/230	Daisy Kakati	V	100
24	20/SOCI/403	Sareo Zasoon	V	100
25	20/SOCI/418	Hathoithiem Gangte	V	N.A.
26	20/SOCI/424	Ayushmi Kashyap	V	100
27	20/ECON/269	Da E Kynsai Mitre Pyrngap	V	80
28	20/POLS/392	Lalfamkima	V	N.A.
29	21/ECON/068	Krishna Sharma	III	100
30	21/ECON/075	Ngamminhao Lungdim	III	40
31	21/ECON/079	Zebeen Riwanmika Pakyntein	III	20
32	21/ECON/080	Minggamchi G Momin	III	100
33	21/ECON/093	Sharmynrap Biam	III	20

34	21/ECON/099	Linda Hidam	III	100
35	21/ECON/116	Moromi Barman	III	20
36	21/ECON/117	Jitender Singh	III	40
37	21/ECON/120	Gugun	III	N.A.
38	21/ECON/108	Tage Mammu	III	20
39	21/ECON/069	Kashyapi Bezbaruah	III	100
40	21/POLS/310	Priya Moshahary	III	100
41	21/POLS/350	Dikshita Das	III	100
42	21/SOCI/373	Ashruta Dutta	III	N.A.
43	22/ECON/003	Vedika Das	I	100
44	22/ECON/004	Hracho Hlychho	I	20
45	22/ECON/010	Lalhmingchhuanga	I	N.A.
46	22/ECON/019	Naphisabetbha Syiemlieh	I	100
47	22/ECON/033	Aibaphylla Basaiawmoit	I	100
48	22/ECON/038	Thomas Malsawma	I	20
49	22/ECON/056	Vikash Kumar Ray	I	20
50	22/ECON/058	Yash Kumar Singh	I	20
51	22/ECON/063	Gopal Yudik	I	20
52	22/ECON/009	Benjamin Vanlalhlanga	I	20
53	22/ECON/026	Lungoulen Chongloi	I	100
54	22/ECON/039	Laishram Kangleinganba Singh	I	40
55	22/ECON/050	Indaker Kharbangar	I	20
56	22/ECON/061	Alex Reang	I	20
57	22/ECON/052	Gracy Thabah	I	100
58	22/POLS/001	Elena Phebe Awungshi	I	80
59	22/POLS/063	Dasanibha Kharbangar	I	20
60	22/SOCI/052	Sukanya Deka	I	100
61	22/SOCI/058	M Jessica Kom	I	100

ASSIGNMENTS AND RESULTS

Assignments were disseminated after every module using the Learning Management System (LMS). These were designed by the Research Facilitator to test the students on their understanding of the topics discussed during the various modules. All assignments were based on the *practical aspects* of course.

6.1 Methodology of evaluation:

Each assignment carried ten marks. In total, the four assignments were worth 40 marks. Marks from ALL FOUR assignments were used to obtain a final percentage score.

Thus, if a student scored 38/40, then the final percentage was calculated as 95% (38/40 x100).

Only students who had scored a minimum of 40% and above are eligible for certificates (refer to Appendix B).

6.2 Composition of assignments:

Students were expected to upload on to the LMS their answers to FOUR assignments. Since the relevance of publications is far less at the undergraduate-level, assignments focused on testing research and analytical skills. They were given one week to submit (upload) their answer scripts, which were evaluated by the Research Facilitator. Difficulty levels of each assignment *increased* over the duration of the course. Thus, Assignment 1 was the easiest, while Assignment 4 was the toughest.

6.3 Results:

The details of the marks scored and the final percentage attained is listed in the table below:

Sr. No.	Student ID	Full Name	A I	A II	A III	A IV	% of Marks	Grade
			10	10	10	10		
1	20/ECON/060	Philasara Nongkhlaw	0	0	0	0	--	--
2	20/ECON/063	Ronald K Suting	0	0	0	0	--	--
3	20/ECON/074	Sdangminaka Suja	0	0	0	0	--	--
4	20/ECON/077	Rihokiaki Suja	0	0	0	0	--	--
5	20/ECON/255	Shidariti Kharkongor	0	0	0	0	--	--
6	20/ECON/259	George Fernando Sun	5.5	6	7	9.5	70	B+
7	20/ECON/262	Droma Tsering Murphew	0	0	0	0	--	--
8	20/ECON/055	Debopriya Bhattacharjee	0	0	0	0	--	--
9	20/ECON/061	Saphi Bapynkmen Lyngwa	0	0	0	0	--	--
10	20/ECON/064	Fedalick Syngkon	0	0	0	0	--	--

11	20/ECON/069	Simran Khatun	0	0	0	0	--	--
12	20/ECON/076	Judi Lalumpui	0	0	0	0	--	--
13	20/ECON/254	Aibanshai Pyngrope	0	0	0	0	--	--
14	20/ECON/266	Krishna Kumari Thapa	0	0	0	0	--	--
15	20/ECON/078	Madhurjya Pratim Das	0	0	0	0	--	--
16	20/ECON/258	Ngayur Mungrei	0	0	0	0	--	--
17	20/POLS/391	Jangminlun Haokip	6.5	6	6	0	46.25	C
18	20/SOCI/206	Muskan Ahmed	4	7	5	6.5	56.25	C+
19	20/SOCI/207	Dikshita Phukan	4	6	7	6.5	58.75	C+
20	20/SOCI/411	Dragila Molshoy	0	0	0	0	--	--
21	20/SOCI/416	Indrani Baishya	7.5	5	6.5	6.5	63.75	B
22	20/SOCI/211	Imjungrenla Longchar	3	5	8	0	40	C
23	20/SOCI/230	Daisy Kakati	8	5	6.5	6.5	65	B
24	20/SOCI/403	Sareo Zasoon	7.5	5.5	6.5	6.5	65	B
25	20/SOCI/418	Hathoithiem Gangte	0	0	0	0	--	--
26	20/SOCI/424	Ayushmi Kashyap	7.5	5	6.5	6.5	63.75	B
27	20/ECON/269	Da E Kynsai Mitre Pyrngap	0	0	0	0	--	--
28	20/POLS/392	Lalfamkima	0	0	0	0	--	--
29	21/ECON/068	Krishna Sharma	10	10	9.5	9.5	97.5	A+
30	21/ECON/075	Ngamminhao Lhungdim	0	0	0	0	--	--
31	21/ECON/079	Zebeen Riwanmika Pakyntein	0	0	0	0	--	--
32	21/ECON/080	Minggamchi G Momin	9.5	5.5	8.5	10	83.75	A
33	21/ECON/093	Sharmynrap Biam	0	0	0	0	--	--
34	21/ECON/099	Linda Hidam	9	7	7	10	82.5	A
35	21/ECON/116	Moromi Barman	0	0	0	0	--	--
36	21/ECON/117	Jitender Singh	0	0	0	0	--	--
37	21/ECON/120	Gugun	0	0	0	0	--	--
38	21/ECON/108	Tage Mammu	0	0	0	0	--	--
39	21/ECON/069	Kashyapi Bezbaruah	5	3.5	7.5	10	65	B
40	21/POLS/310	Priya Moshahary	10	7.5	7.5	6.5	78.75	B+
41	21/POLS/350	Dikshita Das	4	4.5	5	7.5	52.5	C+
42	21/SOCI/373	Ashruta Dutta	0	0	0	0	--	--
43	22/ECON/003	Vedika Das	1	6	9.5	5.5	55	C+
44	22/ECON/004	Hracho Hlychho	0	0	0	0	--	--
45	22/ECON/010	Lalhmingchhuanga	0	0	0	0	--	--
46	22/ECON/019	Naphisabetbha Syiemlieh	9.5	7	9.5	2	70	B+
47	22/ECON/033	Aibaphylla Basaiawmoit	0	5	0	0	12.5	Needs improvement
48	22/ECON/038	Thomas Malsawma	0	0	0	0	--	--

49	22/ECON/056	Vikash Kumar Ray	0	0	0	0	--	--
50	22/ECON/058	Yash Kumar Singh	0	0	0	0	--	--
51	22/ECON/063	Gopal Yudik	0	0	0	0	--	--
52	22/ECON/009	Benjamin Vanlalhlanga	0	0	0	0	--	--
53	22/ECON/026	Lungoulen Chongloi	4	4.5	6	0	36.25	Needs improvement
54	22/ECON/039	Laishram Kangleinganba Singh	0	0	0	0	--	--
55	22/ECON/050	Indaker Kharbangar	0	0	0	0	--	--
56	22/ECON/061	Alex Reang	0	0	0	0	--	--
57	22/ECON/052	Gracy Thabah	9	7.5	8	10	86.25	A
58	22/POLS/001	Elena Phebe Awungshi	9	6	9	8	80	A
59	22/POLS/063	Dasanibha Kharbangar	0	0	0	0	--	--
60	22/SOCI/052	Sukanya Deka	5.5	6.5	8.5	6	66.25	B
61	22/SOCI/058	M Jessica Kom	5	5	9	4.5	58.75	C+

Out of the 61 students who registered for the course, only 21 passed this course. Thus, **this course had a passing percentage of 34.42%**. Forty students did not submit any assignments (listed in the table above as AI, A II, A III and A IV) and two students scored less than 40 per cent. **Figure 2** below is a graphical display of the percentage scores of the 21 students who passed this course.

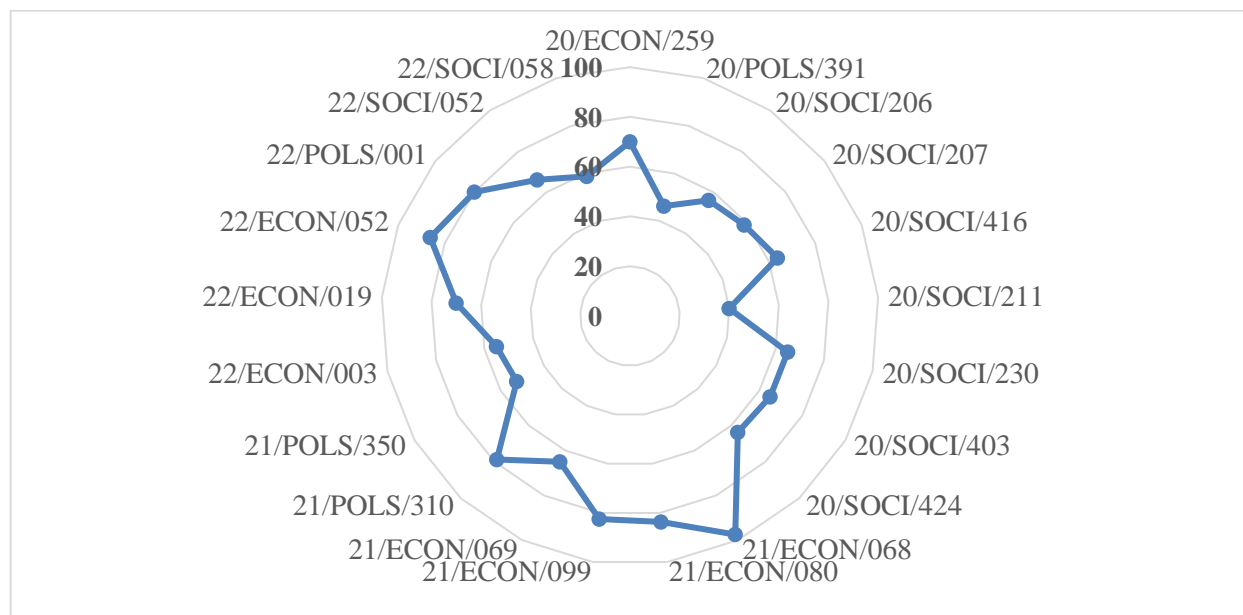


Figure 2: Percentage score of successful students

Note: This data was plotted using MS Excel.

The final result was computed with the average of the four assessments and appropriate grades were assigned to the students. While the scores (marks) were awarded on Linways, the grades were only included in the certificates. The subject-wise breakup of successful students is depicted in Figure 3.

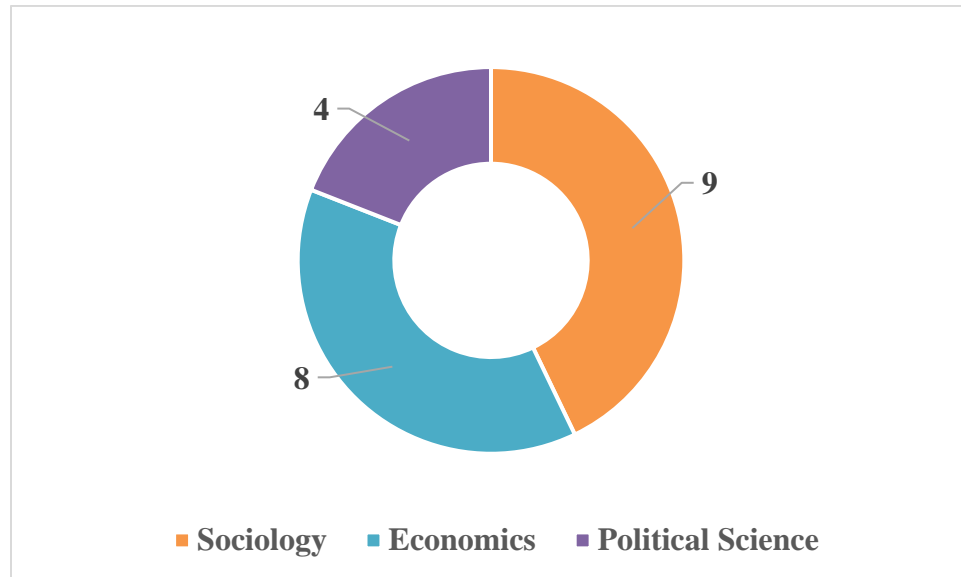


Figure 3: Subject-wise breakup of successful students

Note: This data was plotted using MS Excel.

6.4 Analysis:

Figure 4 (below) shows readers the marks attained by the students of this VAC across four assignments, which were designed by the Research Facilitator.

These assignments were also evaluated by the Research Facilitator. While figure 1 shows the overall performance of students at the end of the course, figure 2 gives readers a more detailed insight of their understanding of the contents and, ultimately, the objectives of this course, across the five modules. Observations and inferences (based on figure 4) are outlined below the figure.

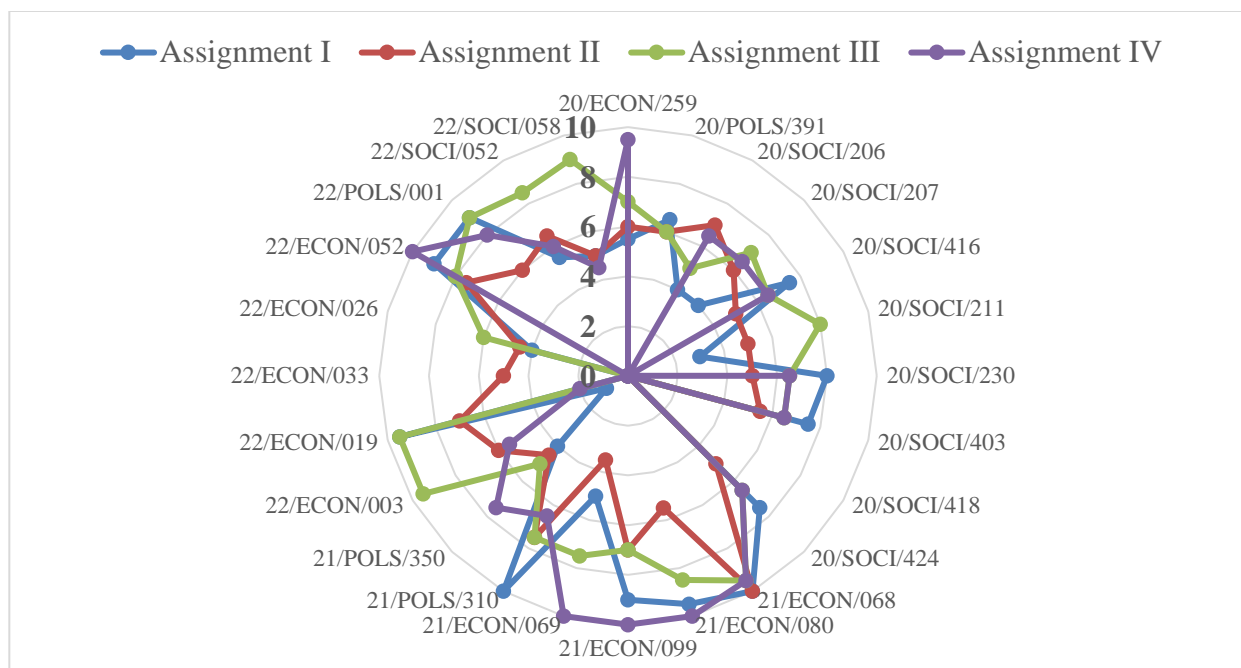


Figure 4: Spread of marks across four assignments*

Note: The data is represented in marks (out of ten) and plotted using MS Excel.

**This figure considers only those students who submitted assignments*

- As mentioned in **section 6.2**, “Difficulty levels of each assignment *increased* over the duration of the course”. Figure 3 shows that most students attained their highest scores in Assignment IV. Assignment IV, which was a data-interpretation exercise, saw most — but not all — students of Economics perform well. It also saw a majority of the Sociology and Political Science students score poorly since quantitative studies (modules) are not included in their courses (particularly Political Science).
- Herein, we arrive at the second observation: students are highly attuned to *descriptive* writing, instead of *analytical* writing (which will be discussed in greater detail in the following paragraphs). Take, for instance, Assignment I. Students were asked to “Rewrite and rephrase (using punctuations)” a paragraph. None of the 23 students who submitted their assignments rewrote the paragraph. Instead, students confined themselves to punctuation and a very limited use of the thesaurus.
- A significant amount of ‘copying’ explains similar scores for some students. The Research Facilitator noticed that several assignments were verbatim copies of others.
- Scores for assignments II and III show that the students — across all three subjects — have poor writing and comprehension skills. Among other shortcomings, the Research

Facilitator noticed that students have poor punctuation. Moreover, word order, determiners and connectors were also noticeably absent from their assignments.

- e. With regard to Assignment I (find as many readings as possible by showing the weblinks to these readings from your syllabus), the students of Political Science and Sociology were unable to source more than five readings. This indicates that the suggested readings are unavailable in the public domain and, thereby, compel students and teachers to rely on ‘textbooks’ and ‘guides’.

6.5 Recommendations:

Based on the observations and inferences from section 6.4, this report submits the following recommendations:

- a. **Presentation skills:** During the five modules, none of the students participated in active discussions or volunteered to answer a question. At present, and *probably* due to the large student-teacher ratio in the college, students have few opportunities to present their assignments or projects in class. As a result, students are reticent and uncommunicative and impedes student-teacher interaction. It is recommended that any extra classes which are scheduled for Honours students include classroom presentations and discussions.
- b. **Plagiarism:** Fears of plagiarism have compelled teachers to rely on submissions of written assignments. However, an unintended consequence of such processes has led to unfamiliarity with basic software, such as Microsoft Office suite. Additional classes which instruct students on the uses of softwares like Microsoft Word and Microsoft PowerPoint, as well as familiarity with e-mail etiquette, will equip students with a basic and necessary skillset to navigate modern workplaces.
- c. **Quantitative knowledge:** Students from Political Science and Sociology require additional classes on data-collection and data-interpretation. For instance, the students from Political Science were unaware of the branch of ‘psephology’ (the statistical study of elections and trends in voting)². Moreover, they were not aware of the official source for data on elections in India. While the prescribed syllabus by North-Eastern Hill University (NEHU), Shillong, does not cover data-interpretation, students who pursue a Master’s degree will be expected to study reports that contain data in tabular or graphical formats.

² Oxford English Dictionary: Indian Edition, tenth edition.

FEEDBACK FROM STUDENTS

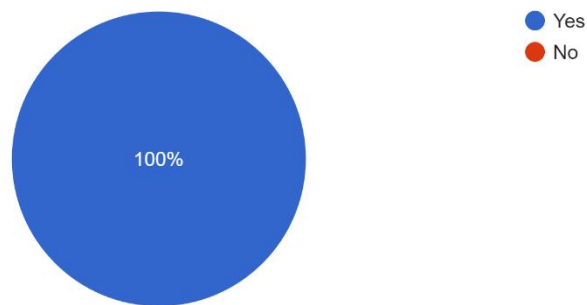
A Google Form was designed to assess feedback from the students. The link (URL) of this form is:

https://docs.google.com/forms/d/e/1FAIpQLSf_RWRdrl19fZOvPTPpIFo6uGJH5gRviOEJlwtZJLgbe-XISg/viewform?usp=pp_url

Out of the 61 students who registered for this course, only 13 responded to the Research Facilitator's request for feedback. The analysis is depicted below.

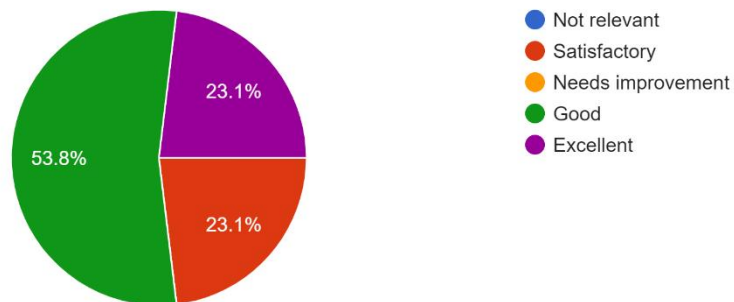
Were the objectives of the course clear to you?

13 responses



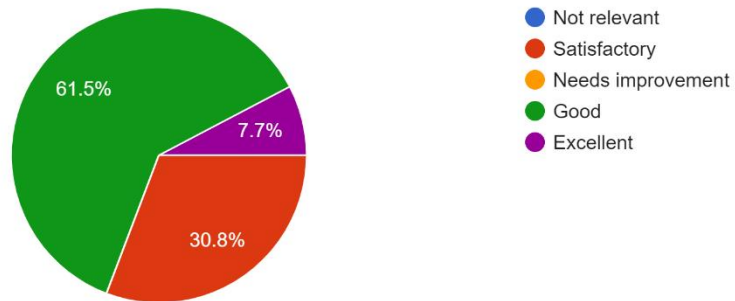
How relevant was the content of the course?

13 responses



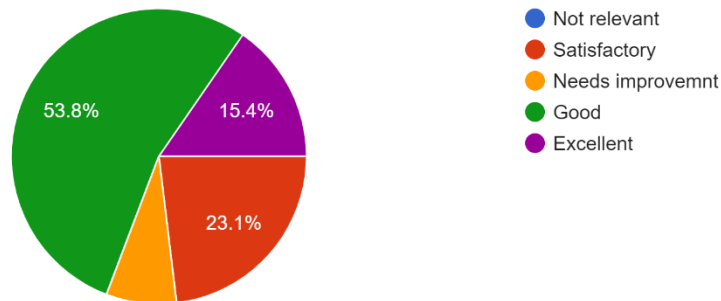
How was the structure (organisation/planning) of the course?

13 responses



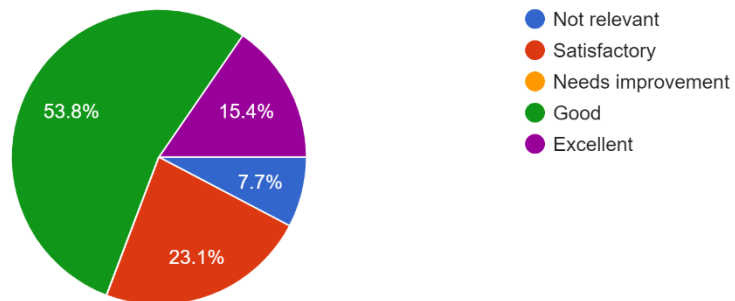
Did the content of the course enhance your understanding of research in your subject?

13 responses



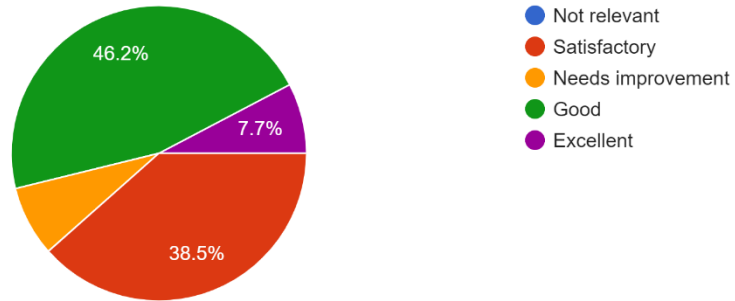
Did the course content familiarise you with the ecosystem (process) of publishing your work in academic journals?

13 responses



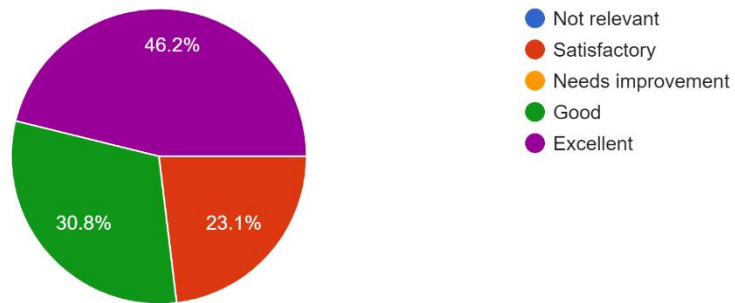
How relevant did you find the assignments?

13 responses



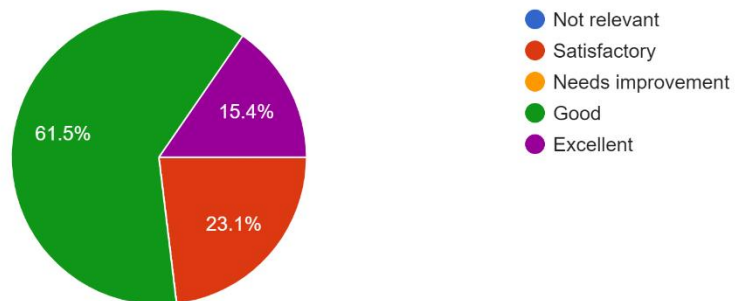
Were the sessions interactive enough?

13 responses



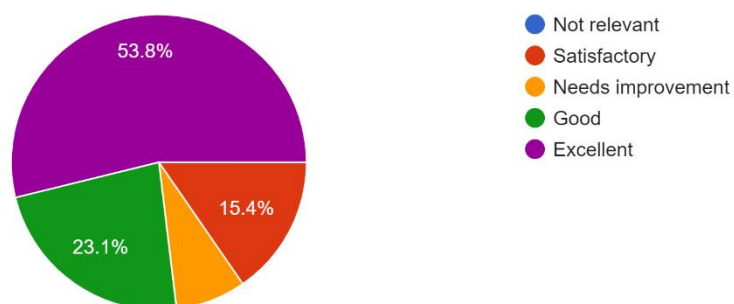
How would you describe this course to your friends?

13 responses



Were the sessions by the external speakers relevant?

13 responses



Do you have any **SUGGESTIONS** for the Research Facilitator on how to improve this course?[‡]

- Give more assignments.
- The course was great, however, if the entire course session were in an offline mode, then personally, the learning and understanding would have been even better.
- We got to learn many more things.
- I would recommend that the course be taken offline rather than online, in college itself, because as for me while the course was taking place, I had a really tough time trying to join the classes due to the timings since I live far and the classes would start even before I reach home. However, the fact that I was given the chance to attend one of the most desired and intellectual courses makes me feel really grateful to have been a part of it.
- Whatever has been taught to us is more than enough in this short span of time and it was very well instructed.
- This course was really useful but the fact that it was done online made it a little difficult to understand.
- It was a unique opportunity to be able to join this course. I learned how to link my subject with other disciplines. I wish to have a longer duration for the course to familiarize with the topic and system of functioning more importantly put it into practice. I do hope that the forthcoming sessions would focus not only on the general ideas and approaches towards research but also provide a space to focus on our subject of interest especially pertaining to our majors.

[‡] The most significant suggestions are included here. The remaining five students responded that there were no further improvements required.


FINANCIAL STATEMENT

There were no financial implications on the College.

APPENDICES

The following materials were used as supplementary material to enhance the merit of this course:

9.1 Appendix A (Brochure)



Value-Added Course - Academic Writing and Understanding the Ecosystem of Research
Organised by the Incubation Centre,
in collaboration with the Internal Quality Assurance Cell (IQAC), St. Edmund's College, Shillong

Introduction
 Research – especially at the undergraduate level – has become the focus of capability-enhancement activities within Indian universities. It is being promoted to enhance the skill-sets of Indian graduates and prepare them for opportunities in higher education and in industry. Such an initiative not only requires familiarity with contemporary research practices but also an understanding of the “ecosystem of research” (National Education Policy 2020, 45) i.e. the publication process

Objectives
 This five-module Value-Added Course is designed to familiarise the students of the Departments of Political Science, Economics, and Sociology (ALL semesters) with elementary research etiquettes and enlighten them on the accepted process of publishing their research. A secondary – albeit equally vital objective – is the development of *logic-flow* among students.

Course Content

Content	Hours
Module I: Basics of Academic/Research Writing	8
Module II: What is Plagiarism?	8
Module III: Grasping the craft of scientific communication	4
Module IV: Publishing the Right Way – Avenues for publishing your work (distributed across three days)	8

Target Participants
 The course is only open for the students and faculty of the Departments of Political Science, Economics, and Sociology, St. Edmund's College (ALL semesters).

Course Fee
 No Course Fee

Presenters
☐ Dr. Oliver N. Gonsalves, Research Facilitator
☐ Subject-specific external speakers; one for each subject

Assessments*
 At the end of every module, students will be sent assignments (via Linways' student portal). These assignments will focus on the practical aspects of research, based on the knowledge disseminated during the module that was covered on that particular day. Aside from assignments, students will also be graded according to their level of involvement in the class discussions.

Mode
 This course will follow a Hybrid (Blended) format.

How to Apply?
[REGISTER HERE](#)

For queries, please contact**
 Dr. Oliver N. Gonsalves
 Research Facilitator
 E-mail id:
olivernelsongonsalves@gmail.com

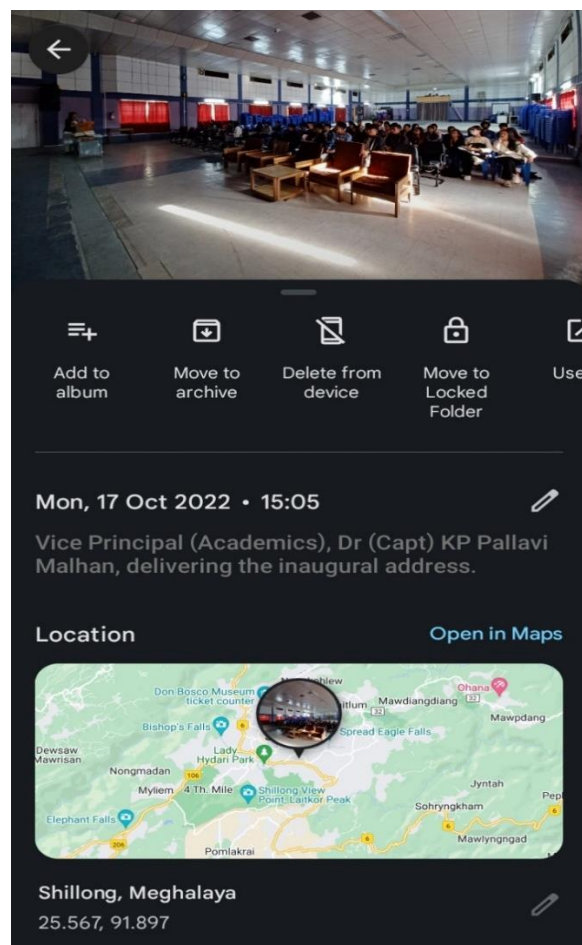
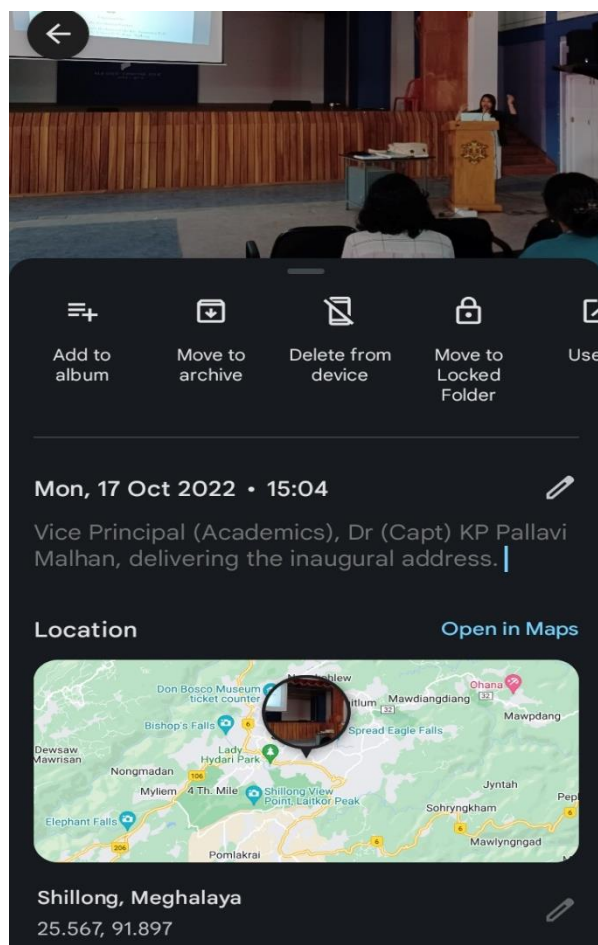
Important Dates

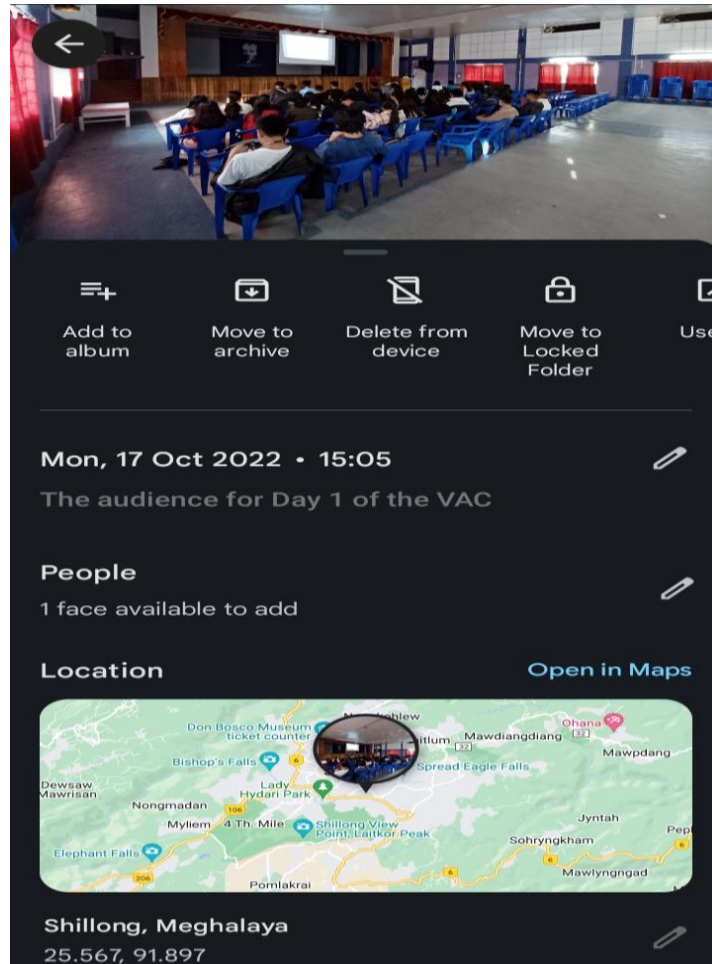
Registration Opens	14 th Oct 2022
Registration Closes	17 th Oct 2022 (1 p.m.)
Course starts	17 th Oct 2022
Timings	3:00 p.m. – 8:00 p.m.
Module I	17-19 th Oct 2022 (offline)
Module II	20 th -21 st Oct 2022 (online)
Module III	22-24 th Oct 2022 (online)
Module IV	25-27 th Oct 2022 (online)

***Participants who have completed ALL modules of the 36-hour course (including the evaluation of assignments) will be provided with certificates.**

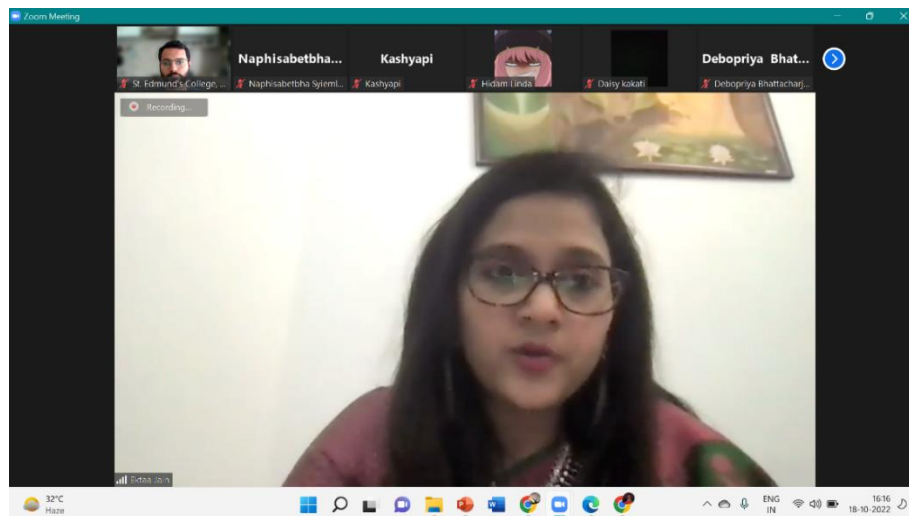
****All correspondence will be through e-mail only**

9.2 Appendix B (Geo-tagged photographs of the offline session and screenshots of the online sessions {by the external resource persons})





Online talk by Dr. Ekta Jain (below), ICE-CCE Certified Life Coach | Career Transition Coach



Online talk by Dr. Alwin D'souza (below), Assistant Professor of Agribusiness, Department of Agricultural Economics and Agribusiness, New Mexico State University

Recording...

The importance of writing/referring to academic papers

- Research uses published papers. You can use google scholar to get these papers.
- Published papers are reliable and can be used as evidence to support your argument.
- Published papers use well-established methods to do research
- Use google scholar to search for published papers.
- Always cite the papers you use in your research. If you don't, that's plagiarism or cheating.
- List your references in the last section of your paper.

NM STATE BE BOLD. Shape the Future.®

Alwin D'souza (he/him)

Dr. Edmund's College, Shillong

Hidam Linda

Vedika Das ,Eco...

Naphisabetbha...

9.4 Appendix D (Template of the Certificate)



St. Edmund's College

Shillong

CERTIFICATE OF MERIT

Awarded to
XXXX

For completing the ten-day Value-Added Course on
Academic Writing and Understanding the Ecosystem of Research
with **GRADE A**

This course was organised by the Incubation Centre,
in collaboration with the Internal Quality Assurance Cell (IQAC), St. Edmund's College, Shillong
from 17 to 27 October 2022

Certificate ID: SECICVAC022022008



Dr. Oliver Nelson Gonsalves
Research Facilitator

Rajesh Dutta
Head, Department of Economics

Prof. Sumit Deb
IQAC Coordinator

Br. (Dr) Simon Coelho
Principal-in-charge

Grade	A+	A	B+	B	C+	C
Marks	90-100%	80-90%	70-80%	60-70%	50-60%	40-50%



Research Facilitator
St. Edmund's College
Shillong - 793003

REPORT ON THE SIX-DAY VALUE-ADDED COURSE ON

Developing Soft Skills: Communication and Critical Thinking

Conducted between 23-29 March 2023



ORGANISED BY

The Incubation Centre, St. Edmund's College, Shillong

In collaboration with

**The Department of Commerce and the Counselling and Placement
Cell, St. Edmund's College, Shillong**

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ACKNOWLEDGEMENTS

Planning for this course began in November 2022 — a whole semester before the event — and the idea was the brainchild of **Prof. Goutam Deb**, Head, Department of Commerce, and Coordinator, Counselling and Placement Cell, St. Edmund's College, Shillong. His zeal to give students a glimpse of life *after* college led to the present avatar of this course. We both hope that this course will be a permanent fixture in the activities of the college's even semester (February-June).

Dr. (Capt). K. P. Pallavi Malhan, Vice Principal (Academics) dedicated several hours from her schedule to prepare for her activity-filled module on 'People skills'. I thank her for accepting the invitation to teach this module.

Dr. Samrat Adhikari, Head, Department of Biotechnology, **Br. (Dr.) Simon Coelho**, Principal-in-charge, St. Edmund's College, Shillong, **Prof. Sumit Deb**, Coordinator, Internal Quality Assurance Cell (IQAC) and **Ms. Priya Paul**, Technical Assistant never failed to provide the Incubation Centre with their best. I thank them for their efforts.

GENERAL INFORMATION

- a. **Title of the Course:** Developing Soft Skills: Communication and Critical Thinking
- b. **Total Contact Hours:** 9
- c. **Date of Approval:** 10 March 2023
- d. **Opening of registration process:** 15 March 2023
- e. **Closing of Registration Process:** 22 March 2023
- f. **Mode of Registration:** Online ([Google Forms](#))
- g. **Date for Commencement of the Course:** 23 March 2023
- h. **Conclusion of the course:** 29 March 2023
- i. **Duration:** 16 hours; including 5 hours for preparations and assessments
- j. **Total No of Students Enrolled:** 42
- k. **Registration Fee:** None

Course Coordinators: Dr. Oliver Nelson Gonsalves, Research Facilitator, St. Edmund's College, Shillong

Prof. Goutam Deb, Head, Department of Commerce, and Coordinator, Counselling and Placement Cell, St. Edmund's College, Shillong

COURSE STRUCTURE

The subsequent sub-section will highlight various aspects of the course, such as Course Description, the Programme, the Mode of the conduct of this course and the grading policy.

3.1 Course Description:

This six-module Value-Added Course will help students navigate the intricacies of modern workplaces by imparting ‘functional’ knowledge of prevailing practices in most organizations – private as well as government.

3.2 Programme of the Course:

This course was divided into six modules. The modules were shared between the Research Facilitator and two in-house resource persons, with the focus on gradually introducing the participants to the idea of the modern office environment. The programme of the course is listed in the table below:

Date	Time	Module	Resource Person
Thursday, 23 March 2023	1:30-3:00	Inaugural Session (Workplace expectations)	Prof. Goutam Deb , Head, Department of Commerce
Friday, 24 March	1:30-3:00	How to prepare your résumé and write cover letters	Dr. Oliver N. Gonsalves , Research Facilitator, Incubation Centre
Saturday, 25 March	1:30-3:00	E-mail etiquette	Dr. Oliver N. Gonsalves , Research Facilitator, Incubation Centre
Monday, 27 March	1:30-3:00	Basic computer skills (MS Word and more)	Dr. Oliver N. Gonsalves , Research Facilitator, Incubation Centre
Tuesday, 28 March	1:30-3:00	People skills	Dr. K.P. Pallavi Malhan , Vice Principal (Academics), St. Edmund’s College
Wednesday, 29 March	1:30-3:00	How to prepare reports	Dr. Oliver N. Gonsalves , Research Facilitator, Incubation Centre

Apart from the six one-and-a-half-hour modules, six hours were allotted for the assessment of the students’ assignments and their feedback on the conduct and *content* of the course. **All assignments received feedback** via personal e-mails from the Research Facilitator.

3.3 Mode of conduct of the Course:

An offline (physical) mode was followed for this course. The six modules were held in Room Number 105, in the Commerce Block of St. Edmund’s College, Shillong.

3.4 Grading Policy:

Students were assigned the following grades, based on the complete course assessments.

Marks	Final Grade
90-100	A+
80-90	A
70-80	B+
60-70	B
50-60	C+
40-50	C
Below 40	Needs improvement

LIST OF REGISTERED PARTICIPANTS

Serial No.	Enrollment No.	Name	Department	Semester
1	20/BCOM/001	Loyumba Moirangthem	Commerce	VI
2	20/BCOM/043	Larisha Iawphniaw	Commerce	VI
3	20/BCOM/049	Deepak Kumar Sharma	Commerce	VI
4	20/BCOM/079	Pooja Das	Commerce	VI
5	20/BCOM/081	Ritik Upadhiyay	Commerce	VI
6	20/BCOM/085	Jeena Daimari	Commerce	VI
7	20/BCOM/091	Kawinaki Pariat	Commerce	VI
8	20/BCOM/103	Sunita Chettri	Commerce	VI
9	20/BCOM/111	Debanjan Tarafdar	Commerce	VI
10	20/BCOM/115	Nakisabiang Lyngdoh	Commerce	VI
11	20/BCOM/117	Amrita kumari	Commerce	VI
12	20/BCOM/125	Subhash Kumar Rai	Commerce	VI
13	20/BCOM/135	Manav hajong	Commerce	VI
14	20/BCOM/139	Naaz Parveen	Commerce	VI
15	20/BCOM/141	Aman Rai	Commerce	VI
16	20/BCOM/004	Lalsungmoi	Commerce	VI
17	20/BCOM/006	Khushbu Sharma	Commerce	VI
18	20/BCOM/016	Tarime K. Sangma	Commerce	VI
19	20/BCOM/018	Rohit Singh	Commerce	VI
20	20/BCOM/020	Ibakmen Marbaniang	Commerce	VI
21	20/BCOM/026	Savita Kumari	Commerce	VI
22	20/BCOM/028	Shivam Sah	Commerce	VI
23	20/BCOM/034	Richard Jyrwa	Commerce	VI
24	20/BCOM/036	Sarah Bose	Commerce	VI
25	20/BCOM/042	Ruokuolhounuo Khromia	Commerce	VI
26	20/BCOM/046	Ribhamika Manner	Commerce	VI
27	20/BCOM/062	Anjali Kumari Shah	Commerce	VI
28	20/BCOM/072	Ritilin Nongrum	Commerce	VI
29	20/BCOM/076	Mavelisha Mary Pyngrope	Commerce	VI
30	20/BCOM/080	Reetika Prasad	Commerce	VI
31	20/BCOM/082	Preety Thakuri	Commerce	VI
32	20/BCOM/084	Parvash Sharma	Commerce	VI
33	20/BCOM/126	Vivek Kumar Roy	Commerce	VI
34	20/BCOM/130	Karnika Rabha	Commerce	VI
35	20/BCOM/132	Esther Khongsai	Commerce	VI
36	20/BSWS/005	Clarinda Barisuk Lyndem	Commerce	VI

37	20/BSWS/022	Mavariene R Kharlyngdoh	Commerce	VI
38	20/BSWS/028	Esther Banshimti Rynjah	Commerce	VI
39	21/BCOM/011	Namelasiewdor Masharing	Commerce	IV
40	21/BCOM/189	Deep Kr Yadav	Commerce	IV
41	21/BCOM/026	Afridi Laskar Lyngdoh	Commerce	IV
42	21/BIOT/406	Chanshim Kashung	Biotechnology	IV
43	21/BIOT/445	Sushang Tamang	Biotechnology	IV

Figure 1 (below) is a graphical representation of the list of registered participants:

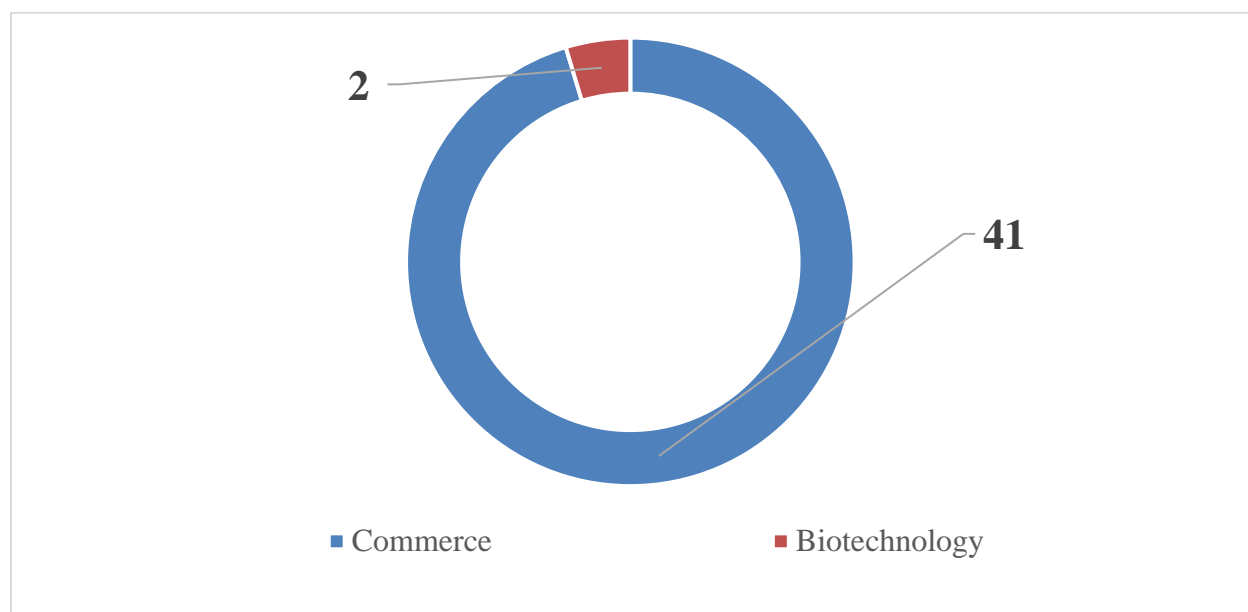


Figure 1: Subject-wise breakup of participants

ATTENDANCE

Sr. No.	Enrollment No.	Name	Semester	Total Hours	Attended (Hours)	Attendance (%)
1	20/BCOM/001	Loyumba Moirangthem	VI	09	0	--
2	20/BCOM/043	Larisha Iawphniaw	VI	09	0	--
3	20/BCOM/049	Deepak Kumar Sharma	VI	09	09	100
4	20/BCOM/079	Pooja Das	VI	09	09	100
5	20/BCOM/081	Ritik Upadhiyay	VI	09	0	--
6	20/BCOM/085	Jeena Daimari	VI	09	1.5	16.66
7	20/BCOM/091	Kawinaki Pariat	VI	09	7.5	83.33
8	20/BCOM/103	Sunita Chettri	VI	09	7.5	83.33
9	20/BCOM/111	Debanjan Tarafdar	VI	09	7.5	83.33
10	20/BCOM/115	Nakisabiang Lyngdoh	VI	09	03	33.33
11	20/BCOM/117	Amrita kumari	VI	09	09	100
12	20/BCOM/125	Subhash Kumar Rai	VI	09	09	100
13	20/BCOM/135	Manav hajong	VI	09	09	100
14	20/BCOM/139	Naaz Parveen	VI	09	03	33.33
15	20/BCOM/141	Aman Rai	VI	09	09	100
16	20/BCOM/004	Lalsungmoi	VI	09	4.5	50
17	20/BCOM/006	Khushbu Sharma	VI	09	09	100
18	20/BCOM/016	Tarime K. Sangma	VI	09	4.5	50
19	20/BCOM/018	Rohit Singh	VI	09	7.5	83.33
20	20/BCOM/020	Ibakmen Marbanianang	VI	09	03	33.33
21	20/BCOM/026	Savita Kumari	VI	09	09	100
22	20/BCOM/028	Shivam Sah	VI	09	7.5	83.33
23	20/BCOM/034	Richard Jyrwa	VI	09	4.5	50
24	20/BCOM/036	Sarah Bose	VI	09	09	100
25	20/BCOM/042	Ruokuolhounuo Khromia	VI	09	7.5	83.33
26	20/BCOM/046	Ribhamika Manner	VI	09	0	--
27	20/BCOM/062	Anjali Kumari Shah	VI	09	09	100
28	20/BCOM/072	Ritilin Nongrum	VI	09	09	100
29	20/BCOM/076	Mavelisha Mary Pyngrope	VI	09	03	33.33
30	20/BCOM/080	Reetika Prasad	VI	09	0	--
31	20/BCOM/082	Preety Thakuri	VI	09	7.5	83.33
32	20/BCOM/084	Parvash Sharma	VI	09	7.5	83.33
33	20/BCOM/126	Vivek Kumar Roy	VI	09	0	--
34	20/BCOM/130	Karnika Rabha	VI	09	6	66.66
35	20/BCOM/132	Esther Khongsai	VI	09	0	--

36	20/BSWS/005	Clarinda Barisuk Lyndem	VI	09	0	--
37	20/BSWS/022	Mavariene R Kharlyngdoh	VI	09	0	--
38	20/BSWS/028	Esther Banshimti Rynjah	VI	09	0	--
39	21/BCOM/011	Namelasiewdor Masharing	IV	09	0	--
40	21/BCOM/189	Deep Kr Yadav	IV	09	0	--
41	21/BCOM/026	Afridi Laskar Lyngdoh	IV	09	0	--
42	21/BIOT/406	Chanshim Kashung	IV	09	7.5	83.33
43	21/BIOT/445	Sushang Tamang	IV	09	7.5	83.33

ASSIGNMENTS AND RESULTS

Since the mid-semester exams of the college were near, only one assignment was given to the students. This assignment was disseminated during the course using the Learning Management System (LMS). It was designed by the course coordinator to test the students on their understanding of the topics discussed during the various modules while also giving an opportunity to apply the teachings logically in a pre-determined space for their creativity. The assignment was based on the *practical aspects* of the course.

6.1 Methodology of evaluation:

The assignment carried ten marks. Marks from the assignment were used to obtain a final percentage score.

Thus, if a student scored 8/10, then the final percentage was calculated as 80 (8/10 x100).

Only students who had scored a minimum of 40% and above are eligible for certificates (refer to Appendix C).

6.2 Composition of the assignment:

Students were expected to upload their submission on to the LMS. They had the option to prepare a one-page *curriculum vitae* (CV) or prepare a two-page report on the course. Additionally, they were also informed that the latter carried two extra marks. However, given the benefits of preparing a CV and having it graded, all the students chose to submit a CV. They were given two weeks to submit (upload) their assignments, which the Research Facilitator evaluated.

6.3 Results:

The details of the marks scored and the final percentage attained is listed in the table below:

Sr. No.	Enrollment No.	Name	A I	% of Marks	Grade
			10		
1	20/BCOM/001	Loyumba Moirangthem	--	--	--
2	20/BCOM/043	Larisha Iawphniaw	--	--	--
3	20/BCOM/049	Deepak Kumar Sharma	8	80	A
4	20/BCOM/079	Pooja Das	5.5	55	C+
5	20/BCOM/081	Ritik Upadhiyay	--	--	--
6	20/BCOM/085	Jeena Daimari	--	--	--
7	20/BCOM/091	Kawinaki Pariat	6.5	65	B
8	20/BCOM/103	Sunita Chettri	--	--	--
9	20/BCOM/111	Debanjan Tarafdar	--	--	--
10	20/BCOM/115	Nakisabiang Lyngdoh	--	--	--

11	20/BCOM/117	Amrita Kumari	9	90	A+
12	20/BCOM/125	Subhash Kumar Rai	9	90	A+
13	20/BCOM/135	Manav hajong	6.5	65	B
14	20/BCOM/139	Naaz Parveen	--	--	--
15	20/BCOM/141	Aman Rai	--	--	--
16	20/BCOM/004	Lalsungmoi	--	--	--
17	20/BCOM/006	Khushbu Sharma	8	80	A
18	20/BCOM/016	Tarime K. Sangma	--	--	--
19	20/BCOM/018	Rohit Singh	7	70	B+
20	20/BCOM/020	Ibakmen Marbaniang	--	--	--
21	20/BCOM/026	Savita Kumari	--	--	--
22	20/BCOM/028	Shivam Sah	9.5	95	A+
23	20/BCOM/034	Richard Jyrwa	--	--	--
24	20/BCOM/036	Sarah Bose	--	--	--
25	20/BCOM/042	Ruokuolhounuo Khromia	9.5	95	A+
26	20/BCOM/046	Ribhamika Manner	--	--	--
27	20/BCOM/062	Anjali Kumari Shah	9	90	A+
28	20/BCOM/072	Ritilin Nongrum	--	--	--
29	20/BCOM/076	Mavelisha Mary Pyngrope	--	--	--
30	20/BCOM/080	Reetika Prasad	--	--	--
31	20/BCOM/082	Preety Thakuri	6.5	65	B
32	20/BCOM/084	Parvash Sharma	9	90	A+
33	20/BCOM/126	Vivek Kumar Roy	--	--	--
34	20/BCOM/130	Karnika Rabha	--	--	--
35	20/BCOM/132	Esther Khongsai	--	--	--
36	20/BSWS/005	Clarinda Barisuk Lyndem	--	--	--
37	20/BSWS/022	Mavariene R Kharlyngdoh	--	--	--
38	20/BSWS/028	Esther Banshimti Rynjah	--	--	--
39	21/BCOM/011	Namelasiewdor Masharing	--	--	--
40	21/BCOM/189	Deep Kr Yadav	--	--	--
41	21/BCOM/026	Afridi Laskar Lyngdoh	--	--	--
42	21/BIOT/406	Chanshim Kashung	--	--	--
43	21/BIOT/445	Sushang Tamang	--	--	--

Out of the 43 students who registered for the course, only 13 passed this course. Thus, **this course had a passing percentage of 30.23%**. Thirty students did not submit any assignments (listed in the table above as AI). **Figure 2** below is a graphical display of the percentage scores of the 13 students who passed this course.

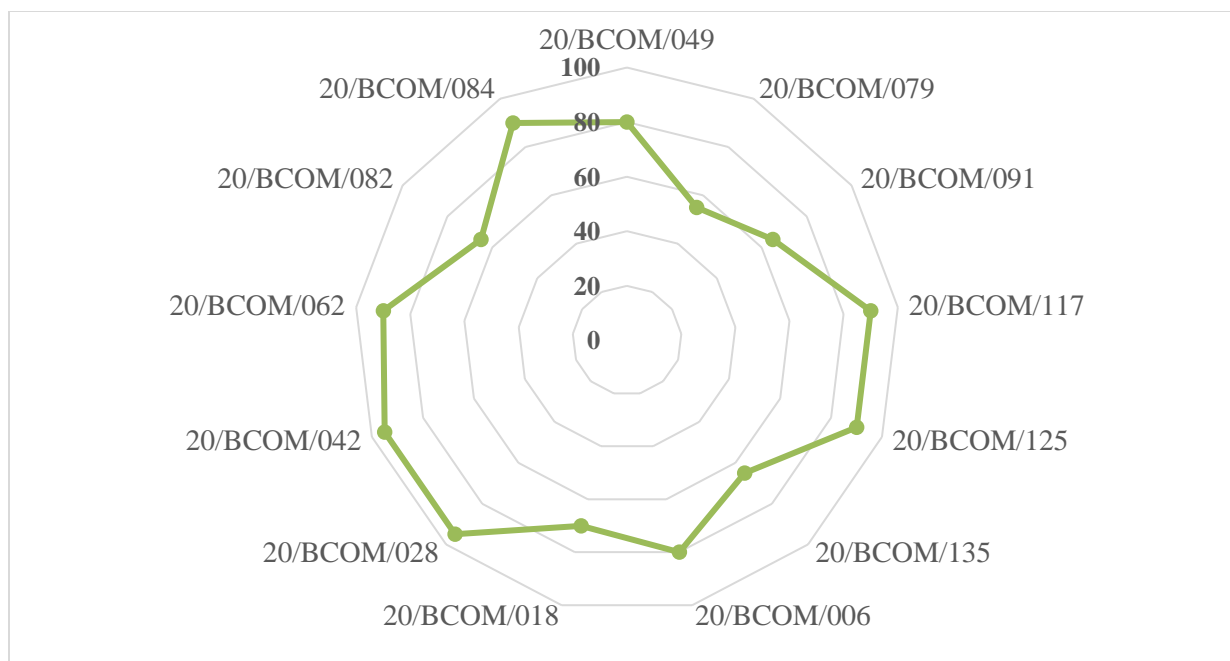


Figure 2: Percentage score of successful students

Note: This data was plotted using MS Excel.

Based on the assessment of the assignment, appropriate grades were awarded to the student. While the scores (marks) for the assignments were awarded on Linways, the grades were only included in the certificates.

6.4 Analysis:

Based on students' assignments and classroom interactions, this report has noted the following:

- Students are unaware of readymade CV templates provided by Microsoft Word. Instead, they relied on templates available on the internet. Most of these templates are US-centric and use terms unfamiliar to Indian students. Further, they could not choose a template which fit well with their academic discipline (Commerce).
- Students need to be sensitised about protecting *some* private details. For instance, most students included their mobile numbers and complete residential addresses in their CVs.
- Career objectives — if included in the CV — were very broad. Students need to be more specific about their goals. Future courses must stress the need for CVs that are *tailored* to the job description.
- Some students had listed-out skills such as “fast learner”, “good listener”, “orderly”,

“optimistic” etc. and ignored the requirement to have references to prove their statements.

- e. None of the students had a professional photograph affixed in their CV.

FEEDBACK FROM STUDENTS

A Google Form was designed to assess feedback from the students. The link (URL) of this form is:

https://docs.google.com/forms/d/e/1FAIpQLSeWEau6x_C8ZzSnOQs_VWo0od9juCHlp3tStmD7Pq7WJ3IMVg/viewform?usp=sf_link

Out of the 43 students who registered for this course, only eight students responded to the Research Facilitator's request for feedback. Their responses are depicted below.

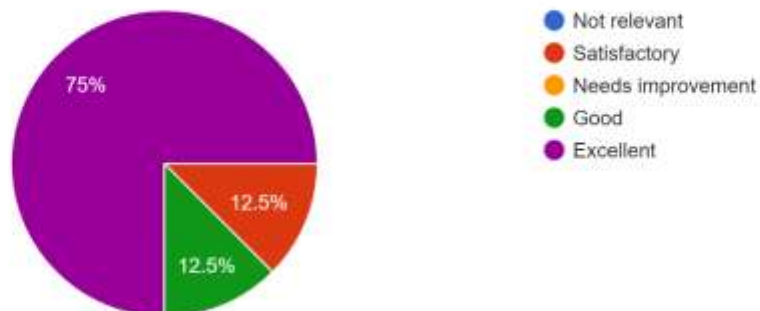
The Research Facilitator taught you using screenshots and printouts of real e-mail exchanges and templates of résumés and cover letters. How satisfied were you with this kind of teaching?

8 responses



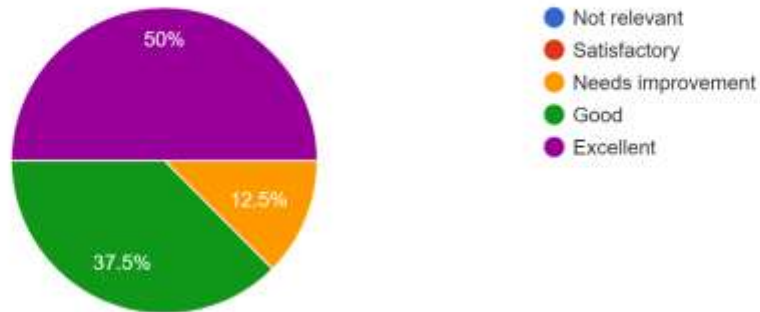
Were the objectives of the course clear to you?

8 responses



How relevant was the content of the course?

8 responses



How was the structure (organisation/planning) of the course?

8 responses



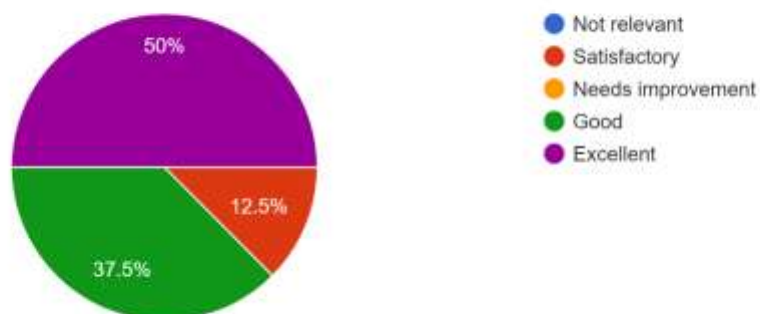
Did the content of the course enhance your understanding of contemporary professional etiquette?

8 responses



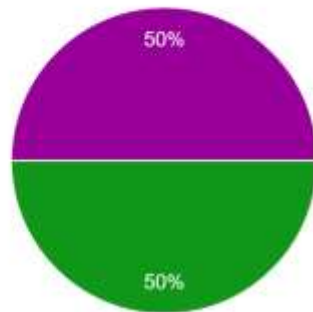
Did the course content familiarise you with the navigating workplace expectations?

8 responses



How relevant did you find the assignments?

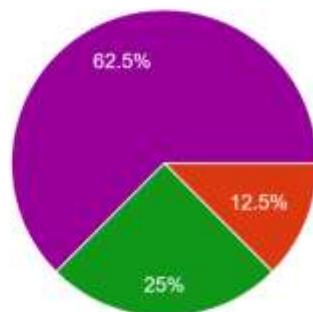
8 responses



- Not relevant
- Satisfactory
- Needs improvement
- Good
- Excellent

Were the sessions interactive enough?

8 responses



- Not relevant
- Satisfactory
- Needs improvement
- Good
- Excellent

How would you describe this course to your friends?

8 responses



Do you have any **SUGGESTIONS** for the Research Facilitator on how to improve this course?

- a. Including practical assessments would be more helpful.

FINANCIAL STATEMENT

There were no financial implications of the college.

APPENDICES

The following materials were used as supplementary material to enhance the merit of this course:

9.1 Appendix A (Brochure)



Value Added Course on Developing Soft Skills: Communication and Critical Thinking
 Organised by the Incubation Centre, St. Edmund's College, Shillong
 in collaboration with the Department of Commerce and the Placement Cell, St. Edmund's College, Shillong

Introduction
 Professional capabilities in the ongoing Fourth Industrial Revolution have evolved to be dominated by the possession of 'skills'. Organisations now expect freshers to possess certain skills BEFORE joining their ranks. Besides an understanding of their core subjects, graduates are now expected to be familiar with contemporary professional etiquettes. In this context, the National Education Policy 2020 encourages the development of 'soft skills' to equip 21st century graduates from Indian universities (pg. 36-37).

Objective of this course
 This six-module Value-Added Course will help students navigate the intricacies of modern workplaces by imparting 'functional' knowledge of prevailing practices in most organizations – private as well as government.

Target Participants
 The course is only open for 6th semester students of the Department of Commerce, St. Edmund's College.

Course Fees
 No Course Fee

Presenters

- Dr. Oliver Nelson Gonsalves, Research Facilitator, St. Edmund's College, Shillong
- Dr. KP Pallavi Malhan, Vice Principal (Academics), St. Edmund's College, Shillong
- Goutam Deb, Head, Department of Commerce, St. Edmund's College, Shillong

Course Content

Contents	Hours
Module I: Introduction – Workplace expectations	1.5
Module II: How to prepare your résumé and write cover letters	1.5
Module III: E-mail etiquettes	1.5
Module IV: Basic computer skills (MS Word and more)	1.5
Module V: People skills	1.5
Module VI: How to prepare reports	1.5

Assessments*
 Each module will have short assignments based on the practical knowledge disseminated during the class. The results shall be graded accordingly with analysis of the feedback.

NOTE FOR THOSE INTERESTED IN REGISTERING FOR THIS COURSE: THIS COURSE WILL BE SCENARIO-BASED, USING REAL-LIFE EXAMPLES

Mode
 This course will be conducted OFFLINE

*Participants who have completed ALL modules of the 16-hour (including assignments) course will be provided with certificates
 **Kindly note, all correspondence will be through e-mail only

How to Apply
REGISTER HERE

For queries, please contact**
 Dr. Oliver N Gonsalves
 Research Facilitator
 Incubation Centre
 St. Edmund's College, Shillong
 Email id: secincubationcentre@gmail.com

Important Dates

Registration Opens	15 Mar 2023
Registration Closes	19 Mar 2023
Commencement of the Course	23 Mar 2023
Timings	1:30 – 3:00 p.m.
Module I	23 Mar 2023
Module II	24 Mar 2023
Module III	25 Mar 2023
Module IV	27 Mar 2023
Module V	28 Mar 2023
Module VI	29 Mar 2023

9.2 Appendix B (Geo-tagged photographs of the sessions taken during the course)



Image 1: Group photograph of the participants and the faculty of the Department of Commerce at the Inaugural Session.



Image 2: Dr. (Capt.) K. P. Pallavi Malhan, Vice Principal (Academics), St. Edmund's College, Shillong, teaches the Module on *People Skills*.



Image 3: Dr. B. W. Nongbri, Dean, St. Edmund's College, Shillong, delivering her remarks on the Value-Added Course during the Inaugural Session.



Image 4: Prof. Goutam Deb, Head, Department of Commerce, St. Edmund's College, Shillong, delivers the Introductory Talk on *Workplace Expectations*

9.3 Appendix C (Template of the Certificate)



9.4 Appendix D (Programme for the Inaugural Session on 23 March 2023)



VALUE-ADDED COURSE ON

“DEVELOPING SOFT SKILLS: COMMUNICATION AND CRITICAL THINKING”

Venue: Room number 106, Commerce Block
Date: 23-29 March 2023

FINAL PROGRAMME

Day One: Thursday, 23 Mar 2023		
INAUGURAL SESSION (1:30-3:10 P.M.)		
1:30-2:00 (30 min)	Remarks by dignitaries	
2:00-2:05 (05 min)	BREAK	
2:05-2:40 (35 min)	Talk on 'Workplace expectations'	Goutam Deb , Head, Department of Commerce
2:40-3:00 (20 min)	Administrative remarks for the remainder of the course	Dr. Oliver N. Gonsalves , Research Facilitator, Incubation Centre

REPORT ON THE VALUE-ADDED COURSE ON

Academic Writing and Understanding the Ecosystem of Research

Conducted between 01-08 April 2023



ORGANISED BY

The Incubation Centre, St. Edmund's College, Shillong

In collaboration with

**The Department of Political Science and the Internal Quality
Assurance Cell (IQAC), St. Edmund's College, Shillong**

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ACKNOWLEDGEMENTS

The Incubation Centre is thankful for the enthusiasm shown by **Syrpailin Lyngdoh**, Head, Department of Political Science, St. Edmund's College, Shillong. His suggestion for a collaborative effort led to the organisation of this course – the first with a department from the Faculty of Arts of St. Edmund's College.

C. Zonunmawia, Assistant Professor, Department of Political Science, efficiently coordinated this effort and shared his knowledge with the participants during one module. Although he left the employ of the college in August 2023, his contribution to the success of this course (and the college's larger initiative to expand research output) will be missed.

Dr. (Capt). K. P. Pallavi Malhan, Vice Principal (Academics), **Dr. Samrat Adhikari**, Head, Department of Biotechnology, **Br. (Dr.) Simon Coelho**, Principal-in-charge, St. Edmund's College, Shillong, **Prof. Sumit Deb**, Coordinator, Internal Quality Assurance Cell (IQAC) and **Ms. Priya Paul**, Technical Assistant, were steadfast in their support for this course.

GENERAL INFORMATION

- a. **Title of the Course:** Academic Writing and Understanding the Ecosystem of Research
- b. **Total Contact Hours:** 28
- c. **Date of Approval:** 09 March 2023
- d. **Opening of registration process:** 16 March 2023
- e. **Closing of Registration Process:** 30 March 2023
- f. **Mode of Registration:** Online ([Google Forms](#))
- g. **Date for Commencement of the Course:** 01 April 2023
- h. **Conclusion of the course:** 08 April 2023
- i. **Duration:** 36 hours; including 12 hours for preparations and assessments
- j. **Total No of Students Enrolled:** 27
- k. **Registration Fee:** None
- l. **Course Coordinators:** Dr. Oliver Nelson Gonsalves, Research Facilitator, St. Edmund's College, Shillong

C. Zonunmawia, Assistant Professor, Department of Political Science, St. Edmund's College, Shillong

COURSE STRUCTURE

The subsequent sub-section will highlight various aspects of the course, such as Course Description, the Programme, the Mode of the conduct of this course and the grading policy.

3.1 Course Description:

This five-module Value-Added Course is designed to familiarise students with elementary research etiquettes and enlighten them on acceptable and ethical practices in the field of research. To improve familiarity with the course content, the Course Coordinators referred to the recommended list of readings (specifically articles) based on the North-Eastern Hill University (NEHU) syllabus.

3.2 Programme of the Course:

This course was divided into five modules. The modules were shared between the Research Facilitator and C. Zonunmawia, with the focus on gradually introducing the students to the significance of research and its benefits in their present academic pursuits. The programme of the course is listed in the table below:

Date	Time	Module	Resource Person
Saturday, 01 April 2023	2:00-6:00	Basics of Academic/Research Writing	Dr. Oliver N. Gonsalves , Research Facilitator, Incubation Centre
Monday, 03 April 2023	2:00-6:00	Critical Inquiry in Social Sciences	C. Zonunmawia , Assistant Professor, Department of Political Science
Tuesday, 04 April 2023	2:00-6:00	Plagiarism	Dr. Oliver N. Gonsalves , Research Facilitator, Incubation Centre
Wednesday, 05 April 2023	2:00-6:00	Plagiarism	Dr. Oliver N. Gonsalves , Research Facilitator, Incubation Centre
Thursday, 06 April 2023	2:00-6:00	Publishing the Right Way – Avenues for publishing your work	Dr. Oliver N. Gonsalves , Research Facilitator, Incubation Centre
Friday, 07 April 2023	2:00-6:00	How to write a book review	Dr. Oliver N. Gonsalves , Research Facilitator, Incubation Centre
Saturday, 08 April 2023	2:00-6:00	How to write a book review	Dr. Oliver N. Gonsalves , Research Facilitator, Incubation Centre

Apart from the five modules, twelve hours were allotted for the assessment of the

students' assignments and their feedback on the conduct and *content* of the course. **All assignments received feedback** via personal e-mails from the Research Facilitator.

3.3 Mode of conduct of the Course:

An offline (physical) mode was followed for this course. The five modules were held in Room Number 18, in the Main Block of St. Edmund's College, Shillong.

3.4 Reference Materials:

The PowerPoint presentations from each module were shared with the students on Linways Learning Management System (LMS), after the conclusion of the day's proceedings. Moreover, additional readings which were relevant to Paper 07 (Government and Politics in North-east India) were discussed with the students during the first-four modules.

Slides discussing the ideal method to review a book were also circulated with the students.

3.5 Grading Policy:

Students were assigned the following grades, based on the complete course assessments.

Marks	Final Grade
90-100	A+
80-90	A
70-80	B+
60-70	B
50-60	C+
40-50	C
Below 40	Needs improvement

LIST OF REGISTERED PARTICIPANTS

Serial No.	Enrollment No.	Name	Department	Semester
1	20/POLS/171	Nengjoukim Kipgen	Political Science	VI
2	20/POLS/181	Nirvaan Teiborlang Pariat	Political Science	VI
3	20/POLS/184	Manhakani Passah	Political Science	VI
4	20/POLS/187	Lalawmpuii	Political Science	VI
5	20/POLS/192	Ochwaki M Siangbood	Political Science	VI
6	20/POLS/195	Anindita dev	Political Science	VI
7	20/POLS/376	Eric Adiel Yatbon	Political Science	VI
8	20/POLS/377	Memory Mukhim	Political Science	VI
9	20/POLS/390	Khrutshulu V Khamo	Political Science	VI
10	20/POLS/196	Celestin Tynsong	Political Science	VI
11	20/POLS/396	Tiasunep Jamir	Political Science	VI
12	20/POLS/189	Comefast Ryntathiang	Political Science	VI
13	20/POLS/199	Bob Nangthianchinkhup	Political Science	VI
14	20/POLS/383	Atiya Parveen	Political Science	VI
15	20/POLS/392	Lalfamkima	Political Science	VI
16	21/POLS/317	Clare Chinneilam Haokip	Political Science	IV
17	21/POLS/332	Balaniewkor Thangkhiew	Political Science	IV
18	21/POLS/355	Rachel Allen Nikhla	Political Science	IV
19	22/POLS/041	Fastarwell Nongrum	Political Science	II
20	22/POLS/043	Mewanshwa Nongbri	Political Science	II
21	22/POLS/049	Fenderson Bamon	Political Science	II
22	22/POLS/032	Soferoiki Bang	Political Science	II
23	22/POLS/051	Dutre Maia Dkhar	Political Science	II
24	22/POLS/033	Sanaphi Samati	Political Science	II
25	22/POLS/054	Saphibanroi Shisha Susngi	Political Science	II
26	22/POLS/055	Nilisa Tariang	Political Science	II
27	22/POLS/079	James Dhar	Political Science	II

Figure 1 (below) is a graphical (semester-wise) representation of the list of registered participants:

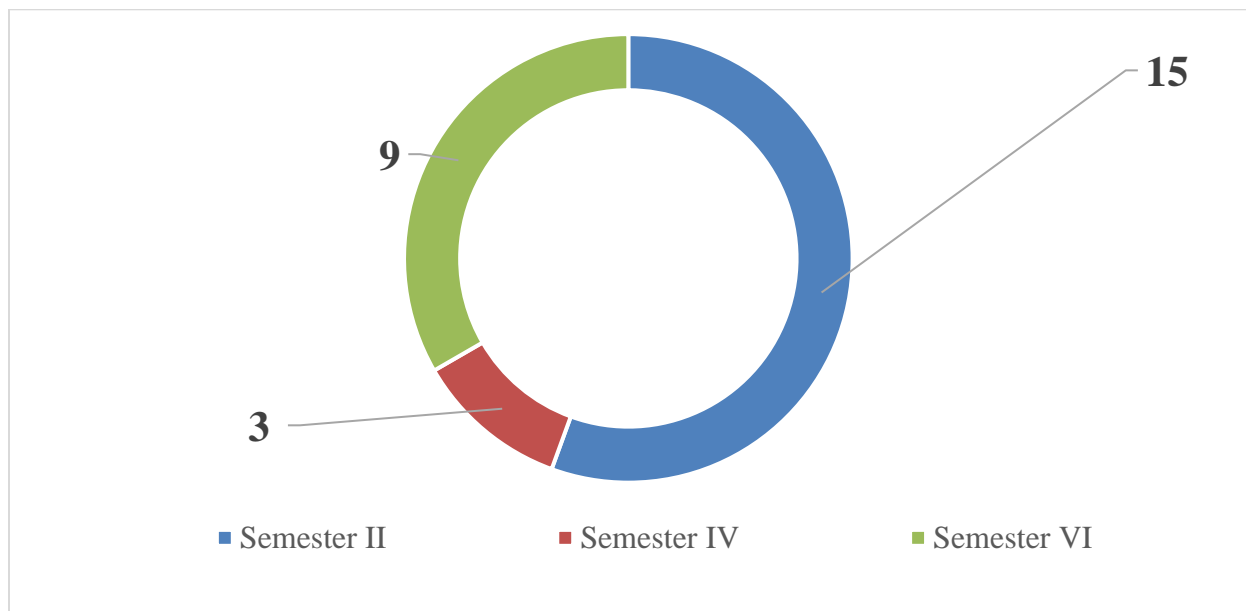


Figure 1: Semester-wise breakup of participants

ATTENDANCE

Sr. No.	Enrollment No.	Name	Semester	Attendance (%)
1	20/POLS/171	Nengjoukim Kipgen	VI	20
2	20/POLS/181	Nirvaan Teiborlang Pariat	VI	--
3	20/POLS/184	Manhakani Passah	VI	100
4	20/POLS/187	Lalawmpuii	VI	100
5	20/POLS/192	Ochwaki M Siangbood	VI	20
6	20/POLS/195	Anindita dev	VI	20
7	20/POLS/376	Eric Adiel Yatbon	VI	20
8	20/POLS/377	Memory Mukhim	VI	100
9	20/POLS/390	Khrutshulu V Khamo	VI	80
10	20/POLS/196	Celestin Tynsong	VI	--
11	20/POLS/396	Tiasunep Jamir	VI	20
12	20/POLS/189	Comefast Ryntathiang	VI	80
13	20/POLS/199	Bob Nangthianchinkhup	VI	20
14	20/POLS/383	Atiya Parveen	VI	20
15	20/POLS/392	Lalfamkima	VI	100
16	21/POLS/317	Clare Chinneilam Haokip	IV	60
17	21/POLS/332	Balaniewkor Thangkhiew	IV	100
18	21/POLS/355	Rachel Allen Nikhla	IV	100
19	22/POLS/041	Fastarwell Nongrum	II	100
20	22/POLS/043	Mewanshwa Nongbri	II	100
21	22/POLS/049	Fenderson Bamon	II	80
22	22/POLS/032	Soferoiki Bang	II	60
23	22/POLS/051	Dutre Maia Dkhar	II	100
24	22/POLS/033	Sanaphi Samati	II	100
25	22/POLS/054	Saphibanroi Shisha Susngi	II	100
26	22/POLS/055	Nilisa Tariang	II	100
27	22/POLS/079	James Dhar	II	100

ASSIGNMENTS AND RESULTS

During the modules, the Course Coordinators referred to the recommended list of readings (specifically articles) based on the North-Eastern Hill University (NEHU) syllabus. For instance, the Research Facilitator referred to the readings from Paper 07 (Government and Politics in North-east India). This would develop some familiarity with the content of the modules. Based on the modules taught during the course, two assignments were given to the students. These assignments followed a similar pattern as those given for VAC 03 (*Research Methodology*), which was conducted in March 2023.

6.1 Methodology of evaluation:

The assignments carried ten marks each. Marks from the assignment were used to obtain a final percentage score.

Thus, if a student scored 8/10, then the final percentage was calculated as 80 ($8/10 \times 100$).

Only students who had scored a minimum of 40% and above are eligible for certificates (refer to Appendix C).

6.2 Composition of the assignment:

Students were expected to upload their submission on to the LMS. These assignments were designed to test rudimentary (online) research skills. They were given two weeks to submit (upload) their assignments, which the Research Facilitator evaluated.

6.3 Results:

The details of the marks scored and the final percentage attained is listed in the table below:

Sr. No.	Enrollment No.	Name	A I	A II	% of Marks	Grade
			10	10		
1	20/POLS/171	Nengjoukim Kipgen	--	--	--	--
2	20/POLS/181	Nirvaan Teiborlang Pariat	--	--	--	--
3	20/POLS/184	Manhakani Passah	10	5.5	77.5	B+
4	20/POLS/187	Lalawmpuii	10	10	100	A+
5	20/POLS/192	Ochwaki M Siangbood	--	--	--	--
6	20/POLS/195	Anindita dev	--	--	--	--
7	20/POLS/376	Eric Adiel Yatbon	--	--	--	--
8	20/POLS/377	Memory Mukhim	10	9.5	97.5	A+
9	20/POLS/390	Khrutshulu V Khamo	10	0	50	C+
10	20/POLS/196	Celestin Tynsong	--	--	--	--
11	20/POLS/396	Tiasunep Jamir	--	--	--	--

12	20/POLS/189	Comefast Ryntathiang	4	9	65	B
13	20/POLS/199	Bob Nangthianchinkhup	--	--	--	--
14	20/POLS/383	Atiya Parveen	--	--	--	--
15	20/POLS/392	Lalfamkima	9	10	95	A+
16	21/POLS/317	Clare Chinneilam Haokip	--	--	--	--
17	21/POLS/332	Balaniewkor Thangkhiew	--	--	--	--
18	21/POLS/355	Rachel Allen Nikhla	--	--	--	--
19	22/POLS/041	Fastarwell Nongrum	--	--	--	--
20	22/POLS/043	Mewanshwa Nongbri	10	9	95	A+
21	22/POLS/049	Fenderson Bamon	--	--	--	--
22	22/POLS/032	Soferoiki Bang	--	--	--	--
23	22/POLS/051	Dutre Maia Dkhar	10	8	90	A+
24	22/POLS/033	Sanaphi Samati	10	10	100	A+
25	22/POLS/054	Saphibanroi Shisha Susngi	10	5.5	77.5	B+
26	22/POLS/055	Nilisa Tariang	9	5.5	72.5	B+
27	22/POLS/079	James Dhar	10	10	100	A+

Out of the 27 students who registered for the course, only 12 passed this course. Thus, **this course had a passing percentage of 44.44%**. Fifteen students did not submit any assignments (listed in the table above as AI and AII). **Figure 2** below is a graphical display of the percentage scores of the 12 students who passed this course.

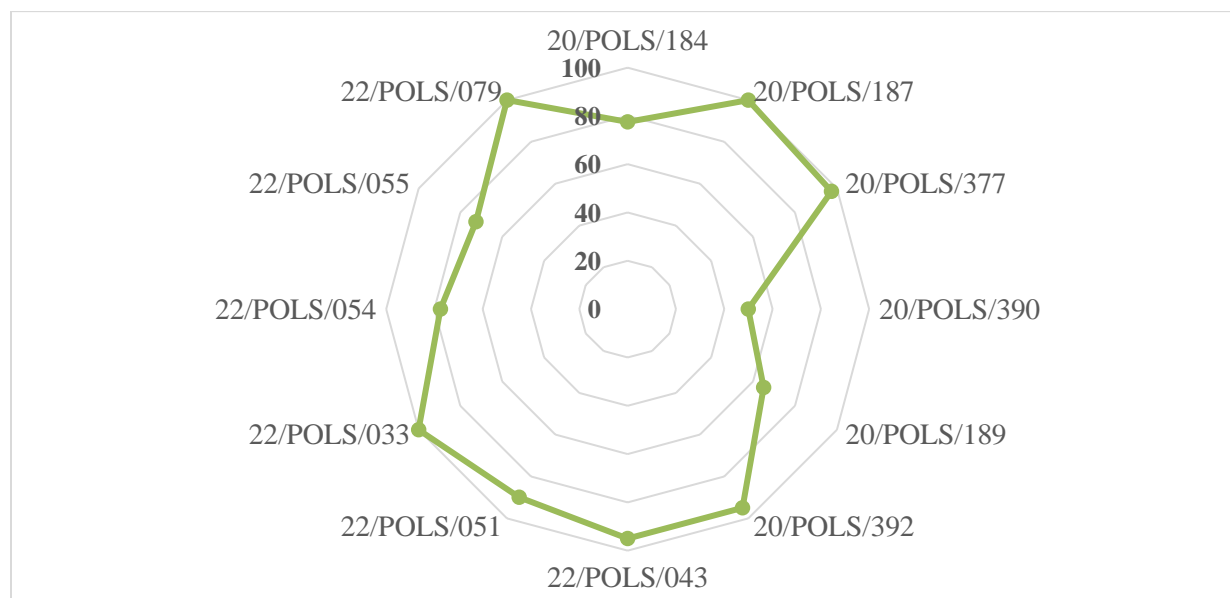


Figure 2: Percentage score of successful students

Note: This data was plotted using MS Excel.

Based on the assessment of the assignment, appropriate grades were awarded to the student. While the scores (marks) for the assignments were awarded on Linways, the grades were only included in the certificates.

6.4 Analysis:

Based on students' assignments and classroom interactions, this report has noted the following:

- a. Assignment I required students to find ten journals which were relevant to their field. Some students were unable to distinguish subject-specific journals.
- b. Despite the creation of a sample template for the submission of assignments, some students were unable to conform. For instance, students were not familiar with the method to hyperlink words. Short courses on the operation of the Microsoft Office suite could remedy this weakness.
- c. A widespread failure to distinguish journals from books was observed. Emphasis on studying from the recommended list of readings (specifically articles) based on the North-Eastern Hill University (NEHU) syllabus.

FEEDBACK FROM STUDENTS

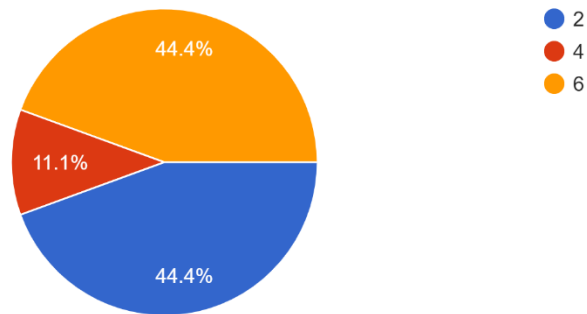
A Google Form was designed to assess feedback from the students. The link (URL) of this form is:

https://docs.google.com/forms/d/e/1FAIpQLSfSXZgEVUjVOD1haZtcC-gvWt-Vpt93IV0YXBVhEvW8AdAEMA/viewform?usp=sf_link

Out of the 27 students who registered for this course, only nine students responded to the Research Facilitator's request for feedback. Their responses are depicted below.

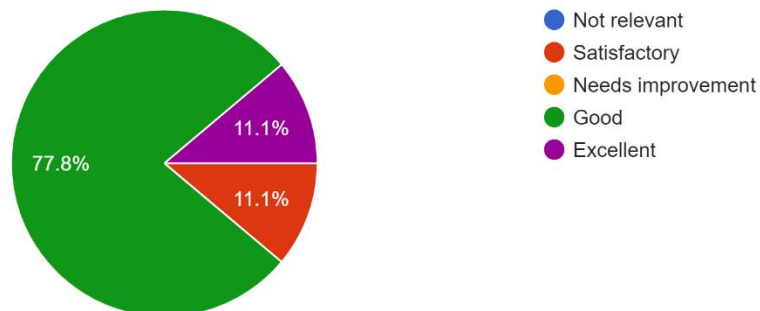
Semester

9 responses



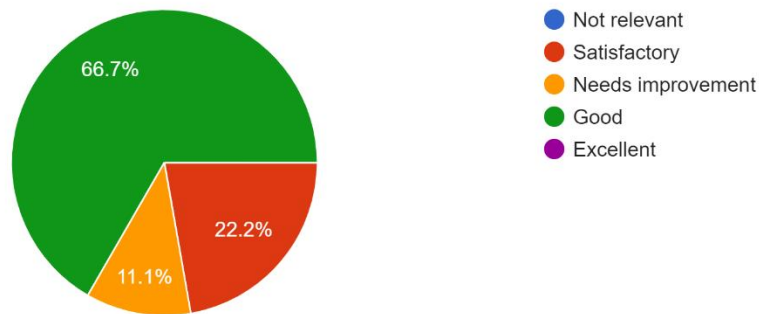
Were the objectives of the course clear to you?

9 responses



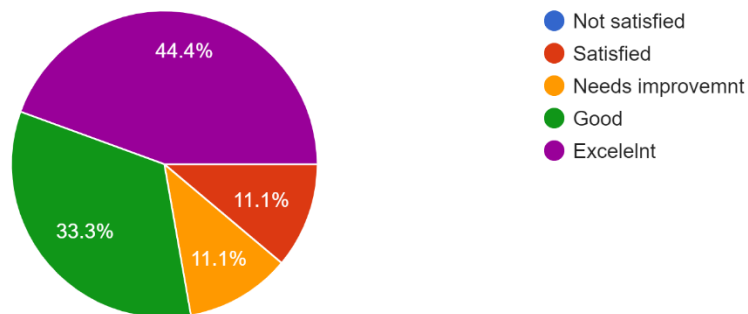
How was the structure (organisation/planning) of the course?

9 responses



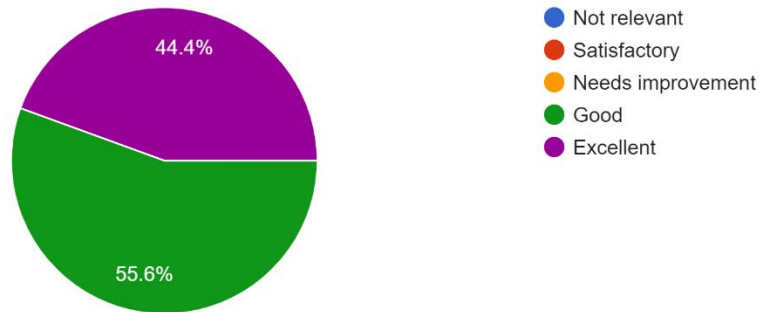
The Research Facilitator taught you using screenshots and printouts of real e-mail exchanges and templates of articles. He also did not circulate cla... How satisfied were you with this kind of teaching?

9 responses



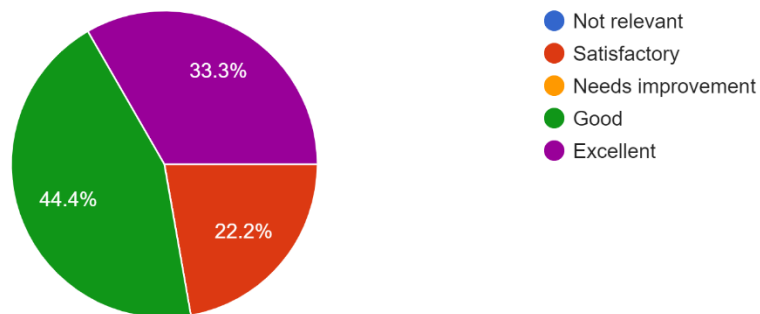
Did the content of the course enhance your understanding of 'research' in your subject?

9 responses



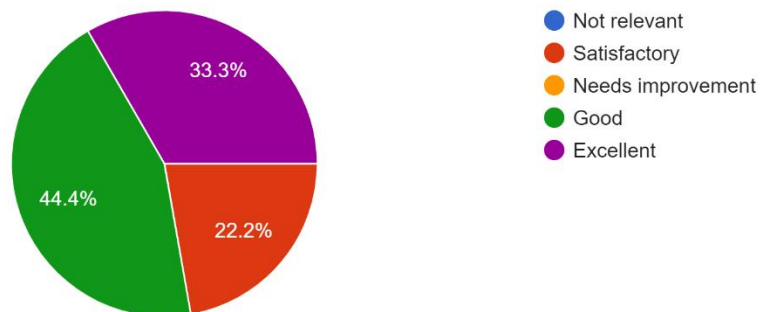
Did the course content familiarise you with the ecosystem (process) of publishing your work in academic journals?

9 responses



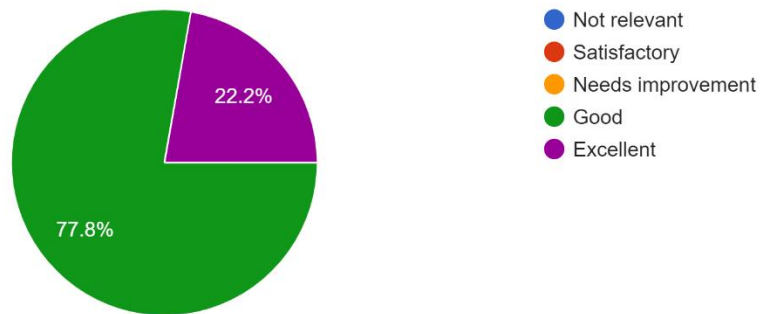
How relevant did you find the assignments?

9 responses



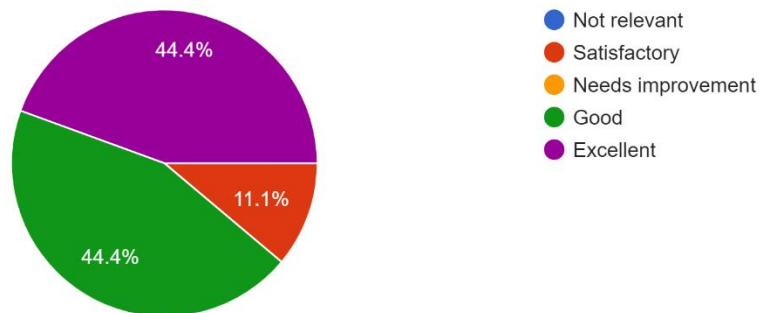
Were the sessions interactive enough?

9 responses



How would you describe this course to your friends?

9 responses



Do you have any **SUGGESTIONS** for the Research Facilitator on how to improve this course?

- Including practical assessments would be more helpful.
- Sending the PPT first and asking the students to do some homework before joining the course. In this way they'll be familiar with the content.
- Good work, keep it up.


FINANCIAL STATEMENT

There were no financial implications on the college.

APPENDICES

The following materials were used as supplementary material to enhance the merit of this course:

9.1 Appendix A (Brochure)



Value-Added Course - Academic Writing and Understanding the Ecosystem of Research
 Organised by the Incubation Centre, in collaboration with the
 Department of Political Science, St. Edmund's College, Shillong.

Introduction
 As higher education in India gradually moves towards a more holistic and interdisciplinary model, research – especially at the undergraduate level – has become the focus of capability-enhancement activities within Indian universities. It is being promoted to enhance the skill sets of Indian graduates and prepare them for opportunities in higher education and industry. Such an initiative not only requires familiarity with contemporary research practices but also an understanding of the “ecosystem of research” (National Education Policy 2020, 45).

Target Participants
 The course is only open for the Honours students of the Department of Political Science (ALL SEMESTERS), St. Edmund's College, Shillong

Objectives
 This five-module Value-Added Course is designed to familiarise students with elementary research etiquettes and enlighten them on acceptable and ethical practices in the field of research.

Course Fees
NO COURSE FEE

Presenter(s)
☐ Oliver Nelson Gonsalves, PhD, Research Facilitator, St. Edmund's College, Shillong.
☐ C. Zomornunvia, Lecturer, St. Edmund's College, Shillong.

How to Apply
REGISTER HERE
 For queries, please contact**
 Oliver N Gonsalves, PhD
 Research Facilitator
 Incubation Centre
 St. Edmund's College, Shillong
 Email id: secincubationcentre@gmail.com

Course Content

Content	Hours
Module I: Basics of Academic/Research Writing	4
Module II: Publishing the Right Way – Avenues for publishing your work	4
Module III: Plagiarism	8
Module IV: How to write a book review	8
Module V: Critical Inquiry in Social Sciences	4

Assessments*
 Each module will have short assignments based on the practical knowledge disseminated during the class. The results shall be graded accordingly with analysis of the feedback. Assignments and feedback will be circulated using Linways.

Mode
 This course will be conducted OFFLINE

***Participants who have completed ALL modules of the 36-hour course (including assignments) will be provided with certificates**

****Kindly note all correspondence will be through e-mail only**

Important Dates

Registration Opens	16 Mar 2023
Registration Closes	30 Mar 2023
Commencement of the Course	01 Apr 2023
Timings	2:00 – 6:00 p.m.
Module I	01 Apr 2023
Module II	03 Apr 2023
Module III	04-05 Apr 2023
Module IV	05-07 Apr 2023
Module V	08 Apr 2023

9.2 Appendix B (Template of the Certificate)



St. Edmund's College

Shillong

CERTIFICATE OF MERIT

Awarded to
XXXX

For completing the seven-day Value-Added Course on
Academic Writing and Understanding the Ecosystem of Research
with **GRADE A+**

This course was organised by the Incubation Centre,
in collaboration with the Internal Quality Assurance Cell (IQAC) and the Department of Political Science, St. Edmund's
College, Shillong
from 01 to 08 April 2023

Certificate ID: SECICVAC0520230012



Dr. Oliver Nelson Gonsalves
Research Facilitator

Syrpailin Lyngdoh
Head, Department of Political Science

Prof. Sumit Deb
IQAC Coordinator

Br. (Dr) Simon Coelho
Principal-in-charge

Grade	A+	A	B+	B	C+	C
Marks	90-100%	80-90%	70-80%	60-70%	50-60%	40-50%



Research Facilitator
St. Edmund's College
Shillong - 793003

REPORT ON THE VALUE-ADDED COURSE ON

Research Methodology

Conducted between 01-06 May 2023



ORGANISED BY

The Incubation Centre, St. Edmund's College, Shillong

In collaboration with

**The Department of History and the Internal Quality Assurance Cell
(IQAC), St. Edmund's College, Shillong**

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ACKNOWLEDGEMENTS

This course was conducted very near to the commencement of the end-semester exams and, yet, the Department of History's endorsement of the Incubation Centre's efforts is appreciated. I am thankful for the encouragement by **Darilin Suting**, Head, Department of History, St. Edmund's College, Shillong. **Dr. Dianghunmon Rynjah**, Assistant Professor, Department of History, coordinated her department's activities competently; she was always ready to lend a helping hand.

Dr. Shelley Christine Lamare, Assistant Professor, Department of History, St Anthony's College, Shillong, delivered a concise and detailed presentation on 'Archival Work'. Her presentation covered the module on *Publishing the Right Way*. Further, based on her academic experience, she also discussed the skills lacking within Indian undergraduate students of history. This segment of her presentation was well-received by the students.

Dr. (Capt). K. P. Pallavi Malhan, Vice Principal (Academics), **Dr. Samrat Adhikari**, Head, Department of Biotechnology, **Br. (Dr.) Simon Coelho**, Principal-in-charge, St. Edmund's College, Shillong, **Prof. Sumit Deb**, Coordinator, Internal Quality Assurance Cell (IQAC) and **Ms. Priya Paul**, Technical Assistant, were steadfast in their support for this course.

GENERAL INFORMATION

- a. **Title of the Course:** Research Methodology
- b. **Total Contact Hours:** 24
- c. **Date of Approval:** 17 April 2023
- d. **Opening of registration process:** 10 April 2023
- e. **Closing of Registration Process:** 29 April 2023
- f. **Mode of Registration:** Online ([Google Forms](#))
- g. **Date for Commencement of the Course:** 01 May 2023
- h. **Conclusion of the course:** 06 May 2023
- i. **Duration:** 36 hours; including 12 hours for preparations and assessments
- j. **Total No of Students Enrolled:** 32
- k. **Registration Fee:** None
- l. **Course Code on Linways' Learning Management System:** VAC 06
- m. **Course Coordinator:** Dr. Oliver Nelson Gonsalves, Research Facilitator, St. Edmund's College, Shillong
- n. **External Speakers Involved:**

Dr. Shelley Christine Lamare, Assistant Professor, Department of History, St Anthony's College, Shillong

COURSE STRUCTURE

The subsequent sub-section will highlight various aspects of the course, such as Course Description, the Programme, the Mode of the conduct of this course the grading policy and the profile of the external subject-matter expert.

3.1 Course Description:

This five-module Value-Added Course is designed to familiarise students with elementary research etiquettes and enlighten them on acceptable and ethical practices in the field of research.. To improve familiarity with the course content, the Course Coordinator referred to the recommended list of readings (specifically articles) based on the North-Eastern Hill University (NEHU) syllabus.

3.2 Programme of the Course:

This course was divided into five modules. The modules were shared between the Research Facilitator and external subject-matter expert, with the focus on gradually introducing the participants to the idea of the research and the significance of publications. The programme of the course is listed in the table below:

Date	Time	Module	Resource Person
Monday, 01 May 2023	2:00-6:00	Introduction to research	Dr. Oliver N. Gonsalves , Research Facilitator, Incubation Centre
Tuesday, 02 May 2023	2:00-6:00	Publishing the Right Way	Dr. Shelley Christine Lamare , Assistant Professor, Department of History, St Anthony's College, Shillong
Wednesday, 03 May 2023	2:00-6:00	Research Methods	Dr. Oliver N. Gonsalves , Research Facilitator, Incubation Centre
Thursday, 04-05 May 2023	2:00-6:00	What is Plagiarism?	Dr. Oliver N. Gonsalves , Research Facilitator, Incubation Centre
Saturday, 06 May 2023	2:00-6:00	Grasping the craft of scientific communication	Dr. Oliver N. Gonsalves , Research Facilitator, Incubation Centre

Apart from the five modules, twelve hours were allotted for the assessment of the students' assignments and their feedback on the conduct and *content* of the course. **All assignments received feedback** via personal e-mails from the Research Facilitator.

3.3 Mode of conduct of the Course:

An offline (physical) mode was followed for this course. The five modules were held in Room Number 36, in the Main Block of St. Edmund's College, Shillong.

3.4 Reference Materials:

The PowerPoint presentations from each module were shared with the students on Linways Learning Management System (LMS), after the conclusion of the day's proceedings. Moreover, additional readings which were relevant to Paper IV (Historiography) were discussed with the students during the first-four modules.

Slides discussing the ideal method to review a book were also circulated with the students.

3.5 Grading Policy:

Students were assigned the following grades, based on the complete course assessments.

Marks	Final Grade
90-100	A+
80-90	A
70-80	B+
60-70	B
50-60	C+
40-50	C
Below 40	Needs improvement

3.6 Profile of the External Subject-Matter Expert

One out of the five modules were managed by an external subject-matter expert. This expert was an acquaintance of the Research Facilitator, who felt that the experience that this expert had gained in her own field of expertise would bridge any gap in the subject-specific content of the course. The external subject-matter expert was invited to deliver a 30-minute offline PowerPoint presentation followed by a discussion.

The profile of the subject-matter expert is shown below:

Dr. Shelley Christine Lamare, Assistant Professor, Department of History, St Anthony's College, Shillong



Dr. Lamare has a Ph.D. in Medieval Indian History from the Jawaharlal Nehru University, New Delhi. She joined the Department of History, St. Anthony's College, Shillong, in 2021. Prior to joining St. Anthony's College, she worked as a Research Associate for two years for a project entitled "Deccan in Transition: Politics and Interdependency-European Powers in Relation to the Marathas". Among several other publications, she has co-authored a paper on "Medieval Deccan: Reflections Through the Lives of Madame Martin and Madame Dupleix" in the *Indian Historical Review* (2022).

LIST OF REGISTERED PARTICIPANTS

Serial No.	Enrollment No.	Name	Department	Semester
1	21/HIST/189	Nukutulu Rhakho	History	IV
2	21/HIST/209	Dipti Likmabam	History	IV
3	21/HIST/216	Lamchoihoi Haokip	History	IV
4	21/HIST/239	Faithfully Dkhar	History	IV
5	21/HIST/181	Vijingla Sangtam	History	IV
6	21/HIST/182	Lunthula Lims	History	IV
7	21/HIST/183	T Limatola Longchar	History	IV
8	21/HIST/184	Agnes Lalremsangi	History	IV
9	21/HIST/188	Isaac W Kongri	History	IV
10	21/HIST/192	Cabrinia Debrina Kharnaier	History	IV
11	21/HIST/193	Loretta Laloo	History	IV
12	21/HIST/196	Subhadeep Saha	History	IV
13	21/HIST/197	Pretty Yaikhom	History	IV
14	21/HIST/201	Merenkala	History	IV
15	21/HIST/202	Darshana Das	History	IV
16	21/HIST/204	Pryanjala Pradhan	History	IV
17	21/HIST/205	Nicholas H Rymbui	History	IV
18	21/HIST/206	Nikkita Momin	History	IV
19	21/HIST/208	Haobijam Priyaroshni Devi	History	IV
20	21/HIST/211	Riiaki Mukhim	History	IV
21	21/HIST/215	Liangtong Marak Hungyo	History	IV
22	21/HIST/219	Bipasha Paul	History	IV
23	21/HIST/221	Namdiwangliu Newmai	History	IV
24	21/HIST/224	Wairokpam Monalisa	History	IV
25	21/HIST/227	Anuj Pradhan	History	IV
26	21/HIST/228	Sahil Akhtar	History	IV
27	21/HIST/231	Rohit Ghosh	History	IV
28	21/HIST/232	Sharmistha Sarma	History	IV
29	21/HIST/234	Urzit Saikia	History	IV
30	21/HIST/235	Preety Kumari Rai	History	IV
31	21/HIST/237	Ganesh Kumar Giri	History	IV
32	21/HIST/238	Ibahun Syiem Sutnga	History	IV

ATTENDANCE

Sr. No.	Enrollment No.	Name	Semester	Attendance (%)
1	21/HIST/189	Nukutulu Rhakho	IV	100
2	21/HIST/209	Dipti Likmabam	IV	20
3	21/HIST/216	Lamchoihoi Haokip	IV	20
4	21/HIST/239	Faithfully Dkhar	IV	40
5	21/HIST/181	Vijingla Sangtam	IV	100
6	21/HIST/182	Lunthula Lims	IV	100
7	21/HIST/183	T Limatola Longchar	IV	100
8	21/HIST/184	Agnes Lalrem sangi	IV	--
9	21/HIST/188	Isaac W Kongri	IV	100
10	21/HIST/192	Cabrinia Debrina Kharnaioir	IV	100
11	21/HIST/193	Loretta Laloo	IV	--
12	21/HIST/196	Subhadeep Saha	IV	100
13	21/HIST/197	Pretty Yaikhom	IV	60
14	21/HIST/201	Merenkala	IV	100
15	21/HIST/202	Darshana Das	IV	60
16	21/HIST/204	Pryanjala Pradhan	IV	100
17	21/HIST/205	Nicholas H Rymbui	IV	--
18	21/HIST/206	Nikkita Momin	IV	60
19	21/HIST/208	Haobijam Priyaroshni Devi	IV	60
20	21/HIST/211	Riiaki Mukhim	IV	100
21	21/HIST/215	Liangtong Marak Hungyo	IV	100
22	21/HIST/219	Bipasha Paul	IV	100
23	21/HIST/221	Namdiwangliu Newmai	IV	60
24	21/HIST/224	Wairokpam Monalisa	IV	60
25	21/HIST/227	Anuj Pradhan	IV	100
26	21/HIST/228	Sahil Akhtar	IV	100
27	21/HIST/231	Rohit Ghosh	IV	100
28	21/HIST/232	Sharmistha Sarma	IV	100
29	21/HIST/234	Urzit Saikia	IV	100
30	21/HIST/235	Preety Kumari Rai	IV	100
31	21/HIST/237	Ganesh Kumar Giri	IV	100
32	21/HIST/238	Ibahun Syiem Sutnga	IV	60

ASSIGNMENTS AND RESULTS

During the modules, the Course Coordinator referred to the recommended list of readings (specifically articles) based on the North-Eastern Hill University (NEHU) syllabus. For instance, the Research Facilitator referred to the readings from Paper IV (Historiography). This would develop some familiarity with the content of the modules. Based on the modules taught during the course, two assignments were given to the students.

6.1 Methodology of evaluation:

The assignments carried ten marks each. Marks from the assignment were used to obtain a final percentage score.

Thus, if a student scored 7/10, then the final percentage was calculated as 70 (7/10 x100).

Only students who had scored a minimum of 40% and above are eligible for certificates (refer to Appendix C).

6.2 Composition of the assignment:

Students were expected to upload their submission on to the LMS (Linways). These assignments were designed to test rudimentary (online) research skills. They followed a similar pattern as those given for VAC 03 (*Research Methodology*) and VAC 05 (*Academic Writing and Understanding the Ecosystem of Research*) which were conducted in March and April 2023 respectively.

Students were given two weeks to submit (upload) their assignments, which the Research Facilitator then evaluated.

6.3 Results:

The details of the marks scored and the final percentage attained is listed in the table below:

Sr. No.	Enrollment No.	Name	A I	A II	% of Marks	Grade
			10	10		
1	21/HIST/189	Nukutulu Rhakho	10	7.5	87.5	A
2	21/HIST/209	Dipti Likmabam	--	--	--	--
3	21/HIST/216	Lamchoihoi Haokip	--	--	--	--
4	21/HIST/239	Faithfully Dkhar	--	--	--	--
5	21/HIST/181	Vijingla Sangtam	10	9.5	97.5	A+
6	21/HIST/182	Lunthula Lims	9.5	10	97.5	A+
7	21/HIST/183	T Limatola Longchar	7.5	8	77.5	B+
8	21/HIST/184	Agnes Lalremsangi	--	--	--	--
9	21/HIST/188	Isaac W Kongri	--	--	--	--

10	21/HIST/192	Cabrinia Debrina Kharnaior	8	9	85	A
11	21/HIST/193	Loretta Laloo	--	--	--	--
12	21/HIST/196	Subhadeep Saha	--	--	--	--
13	21/HIST/197	Pretty Yaikhom	10	10	100	A+
14	21/HIST/201	Merenkala	9.5	7	82.5	A
15	21/HIST/202	Darshana Das	--	--	--	--
16	21/HIST/204	Pryanjala Pradhan	--	--	--	--
17	21/HIST/205	Nicholas H Rymbui	--	--	--	--
18	21/HIST/206	Nikkita Momin	--	--	--	--
19	21/HIST/208	Haobijam Priyaroshni Devi	--	--	--	--
20	21/HIST/211	Riiaki Mukhim	9.5	10	97.5	A+
21	21/HIST/215	Liangtong Marak Hungyo	9.5	10	97.5	A+
22	21/HIST/219	Bipasha Paul	8	9	85	A
23	21/HIST/221	Namdiwangliu Newmai	9.5	8.5	90	A+
24	21/HIST/224	Wairokpam Monalisa	10	9	95	A+
25	21/HIST/227	Anuj Pradhan	--	--	--	--
26	21/HIST/228	Sahil Akhtar	--	--	--	--
27	21/HIST/231	Rohit Ghosh	--	--	--	--
28	21/HIST/232	Sharmistha Sarma	9.5	10	97.5	A+
29	21/HIST/234	Urzit Saikia	--	--	--	--
30	21/HIST/235	Preety Kumari Rai	--	--	--	--
31	21/HIST/237	Ganesh Kumar Giri	--	--	--	--
32	21/HIST/238	Ibahun Syiem Sutnga	--	--	--	--

Out of the 32 students who registered for the course, only 13 passed this course. Thus, **this course had a passing percentage of 40.62%**. Nineteen students did not submit any assignments (listed in the table above as AI and AII). **Figure 2** below is a graphical display of the percentage scores of the 13 students who passed this course.

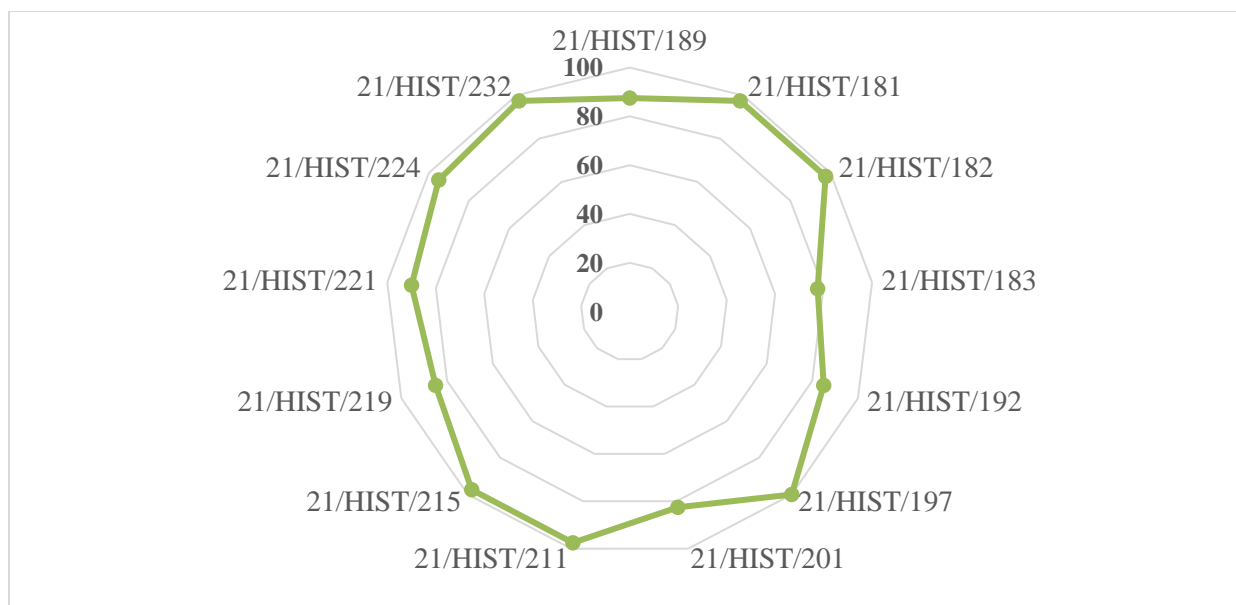


Figure 2: Percentage score of successful students

Note: This data was plotted using MS Excel.

Based on the assessment of the assignment, appropriate grades were awarded to the student. While the scores (marks) for the assignments were awarded on Linways Learning Management System, the grades were only included in the certificates.

6.4 Analysis:

Based on students' assignments and classroom interactions, this report has noted the following:

- Students are unable to contextualise and paraphrase arguments. For instance, during a classroom discussion on E.H. Carr's *What is History?* students would quote Carr's arguments verbatim. Stress on the understanding of readings (from the recommended reading list), instead of textbooks, could improve the students' understanding of the course content which could, in turn, reflect well in their exams.
- A few assignments indicated an interest in learning how to add references, particularly referencing styles. This shows that students were receptive to advanced academic practices even though these were not covered
- A widespread failure to distinguish journals from books was observed. Emphasis on studying from the recommended list of readings (specifically articles) based on the North-Eastern Hill University (NEHU) syllabus.

FEEDBACK FROM STUDENTS

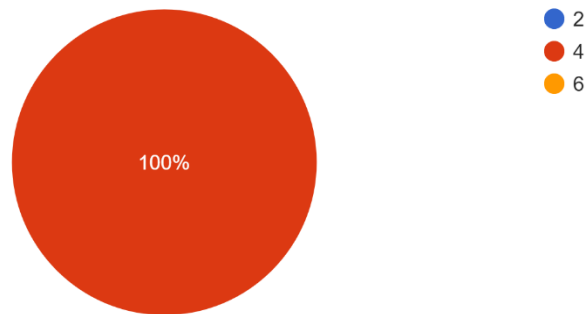
A Google Form was designed to assess feedback from the students. The link (URL) of this form is:

https://docs.google.com/forms/d/e/1FAIpQLSeEW-xWMy7-eIOrZiGLvUJwgFvw7sxfirGDnQEURttOK6Atbw/viewform?usp=sf_link

Out of the 32 students who registered for this course, only six students responded to the Research Facilitator's request for feedback. Their responses are depicted below.

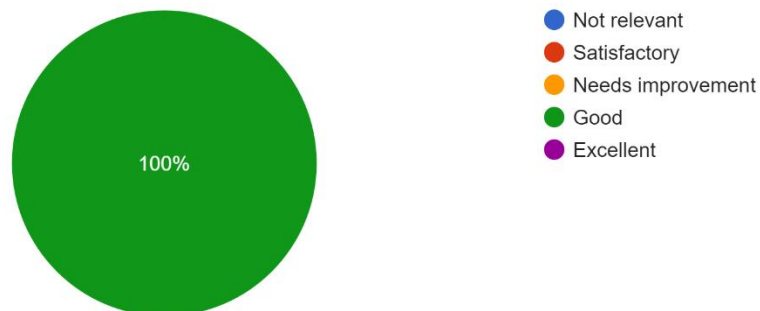
Semester

6 responses



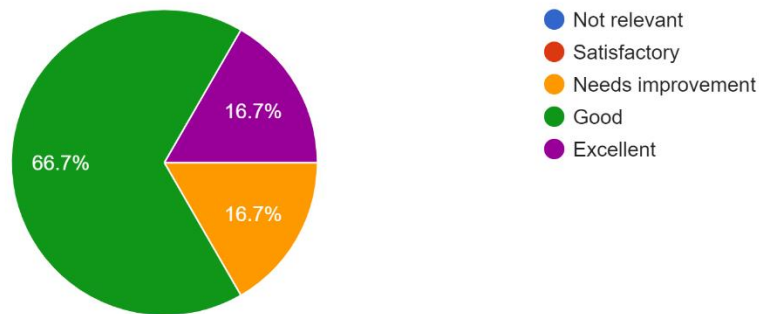
Were the objectives of the course clear to you?

6 responses



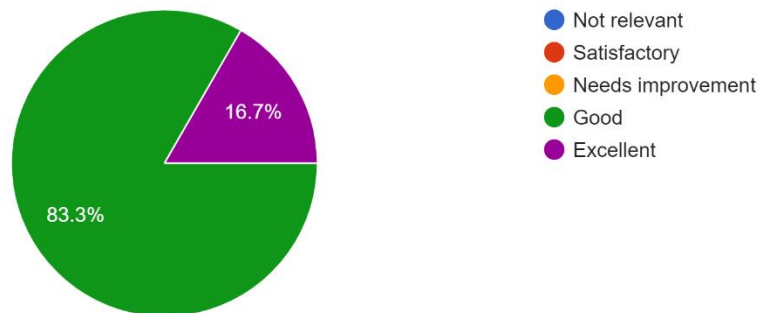
How relevant was the content of the course?

6 responses



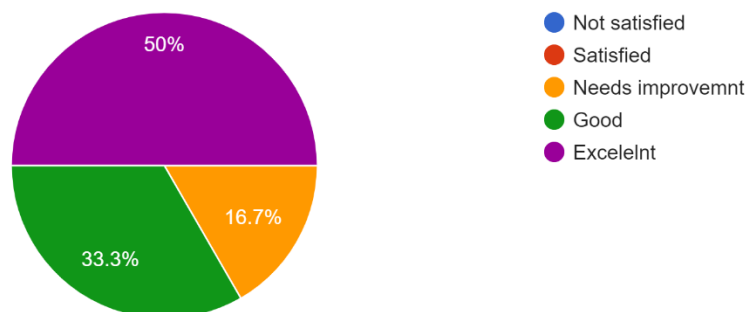
How was the structure (organisation/planning) of the course?

6 responses



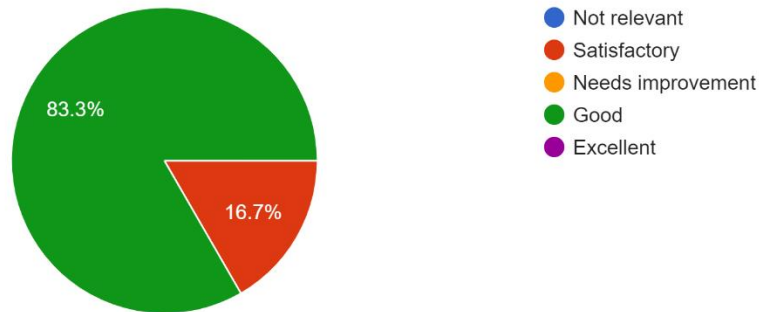
The Research Facilitator taught you using templates of articles and screenshots of journals (along with their content). He also did not circulate class ... How satisfied were you with this kind of teaching?

6 responses



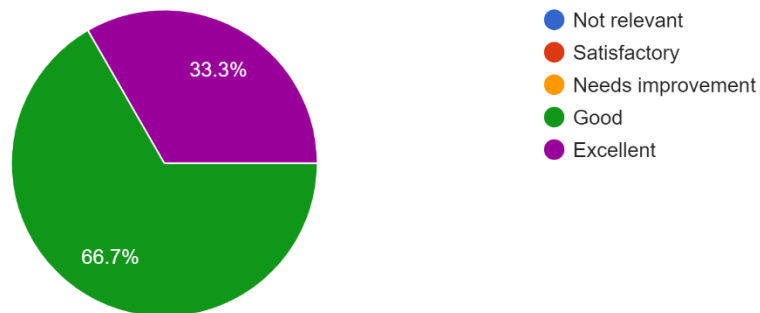
Did you find the visit to the library and the subsequent briefings on citation useful?

6 responses



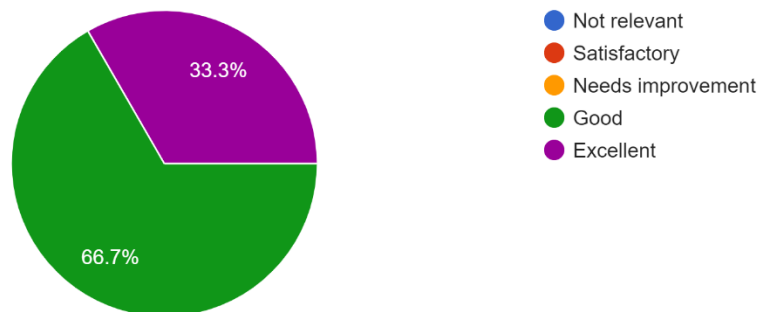
Did the content of the course enhance your understanding of 'research' in your subject?

6 responses



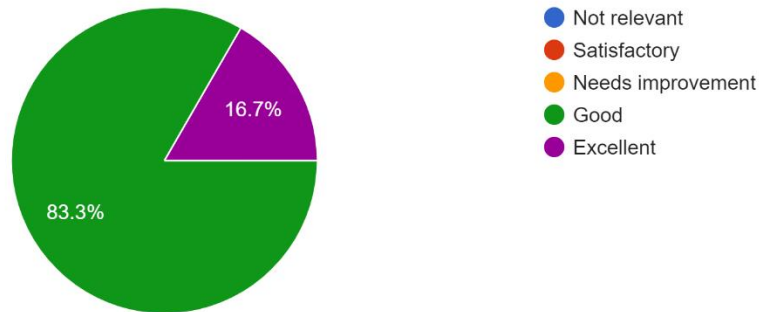
Did the course content familiarise you how to look for information pertaining to additional readings/articles for your subject (History)?

6 responses



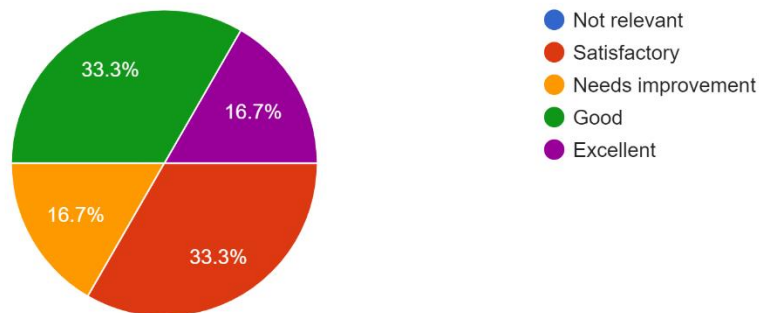
How relevant did you find the assignments?

6 responses



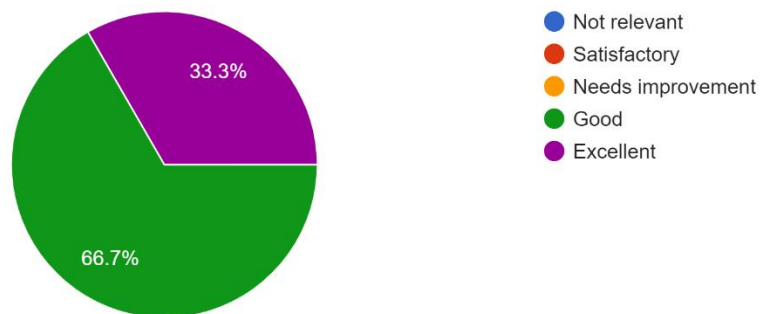
Were the sessions interactive enough?

6 responses



How would you describe this course to your friends?

6 responses



Do you have any **SUGGESTIONS** for the Research Facilitator on how to improve this course?

- a. Making the PPT more visually appealing; quizzes like 'kahoot' in the class. Class will be more interactive
- b. In my opinion its fine but 2 hours I find its too long for me, but overall everything was superb.
- c. Everything was good.
- d. No, just a humble thank you for your valuable time and knowledge.
- e. Making the course compulsory for every student, it is really useful.

FINANCIAL STATEMENT

There were no financial implications on the college.

APPENDICES

The following materials were used as supplementary material to enhance the merit of this course:

9.1 Appendix A (Brochure)



Value-Added Course on Research Methodology
Organised by the Incubation Centre,
in collaboration with the Department of History, St. Edmund's College, Shillong

Introduction
As higher education in India gradually moves towards a more holistic and interdisciplinary model, research – especially at the undergraduate level – has become the focus of capability-enhancement activities within Indian universities. It is being promoted to enhance the skill sets of Indian graduates and prepare them for opportunities in higher education and industry. Such an initiative requires not only familiarity with contemporary research practices but also an understanding of the “ecosystem of research” (National Education Policy 2020, 45).

Target Participants
The course is only open for the 4th semester (Honours) students of the Department of History, St. Edmund's College, Shillong

Course Content

Content	Hours
Module I: Introduction to research	4
Module II: Publishing the Right Way*	4
Module III: Research Methods	4
Module IV: What is Plagiarism?	8
Module V: Grasping the craft of scientific communication	4

*This module will be conducted by the external resource-person (Dr. Shelley Christine Lamare)

Objectives
This five-module Value-Added Course is designed to familiarise students with elementary research etiquettes and enlighten them on acceptable and ethical practices in the field of research.

Course Fees
No Course Fee

Presenter(s)
☐ Oliver Nelson Gonsalves, PhD, Research Facilitator, St. Edmund's College, Shillong
☐ Dr. Shelley Christine Lamare, Assistant Professor, Department of History, St. Anthony's College, Shillong, Meghalaya, India

Assessments**
Each module will have short assignments based on the practical knowledge disseminated during the class. The results shall be graded accordingly with an analysis of the feedback. Assignments and feedback will be circulated using Limways.

Mode
This course will be conducted OFFLINE

****Participants who have completed ALL modules of the 36-hour course (including assignments) will be provided with certificates**

*****Kindly note that all correspondence will be through e-mail only**


How to Apply
REGISTER HERE

For queries, please contact***
 Oliver N Gonsalves, PhD
 Research Facilitator
 Incubation Centre
 St. Edmund's College, Shillong
 Email id: secincubationcentre@gmail.com

Important Dates

Registration Opens	10 Apr 2023
Registration Closes	29 Apr 2023
Commencement of the Course	01 May 2023
Timings	2:00 – 4:00 p.m.
Module I	01 May 2023
Module II	02 May 2023
Module III	03 May 2023
Module IV	04-05 May 2023
Module V	06 May 2023

9.2 Appendix B (Template of the Certificate)



St. Edmund's College Shillong






CERTIFICATE OF MERIT

Awarded to
XXXX

For completing the six-day Value-Added Course on
Research Methodology
with **GRADE A+**

This course was organised by the Incubation Centre,
in collaboration with the the Internal Quality Assurance Cell (IQAC) and the Department of History, St. Edmund's
College, Shillong,
from 01 to 06 May 2023

Certificate ID: SECICVAC062023013



Dr. Oliver Nelson Gonsalves
Research Facilitator

Darilin Suting
Head, Department of History

Prof. Sumit Deb
IQAC Coordinator

Br. (Dr) Simon Coelho
Principal-in-charge

Grade	A+	A	B+	B	C+	C
Marks	90-100%	80-90%	70-80%	60-70%	50-60%	40-50%

9.3 Appendix C (Geo-tagged photographs of the sessions taken during the course)

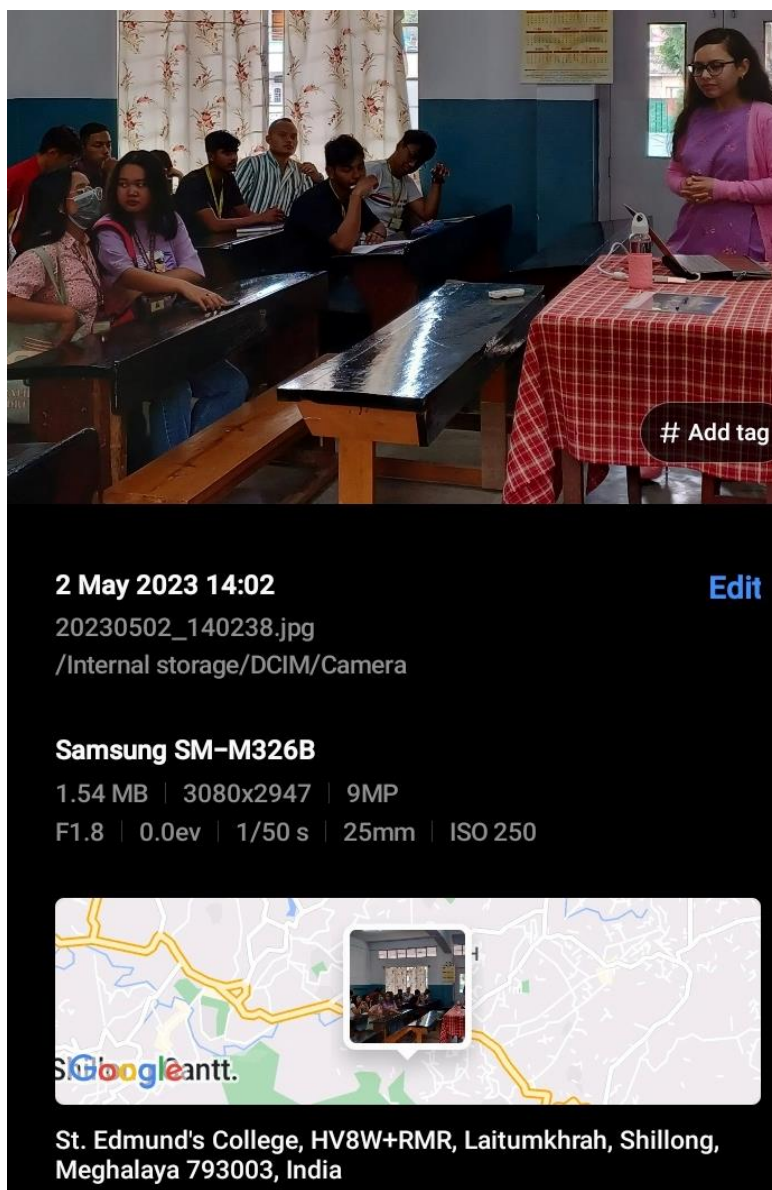


Image 1: Dr. Shelley Christine Lamare, Assistant Professor, Department of History, St Anthony's College, Shillong, teaching the module on Publishing the Right Way (02 May 2023.)

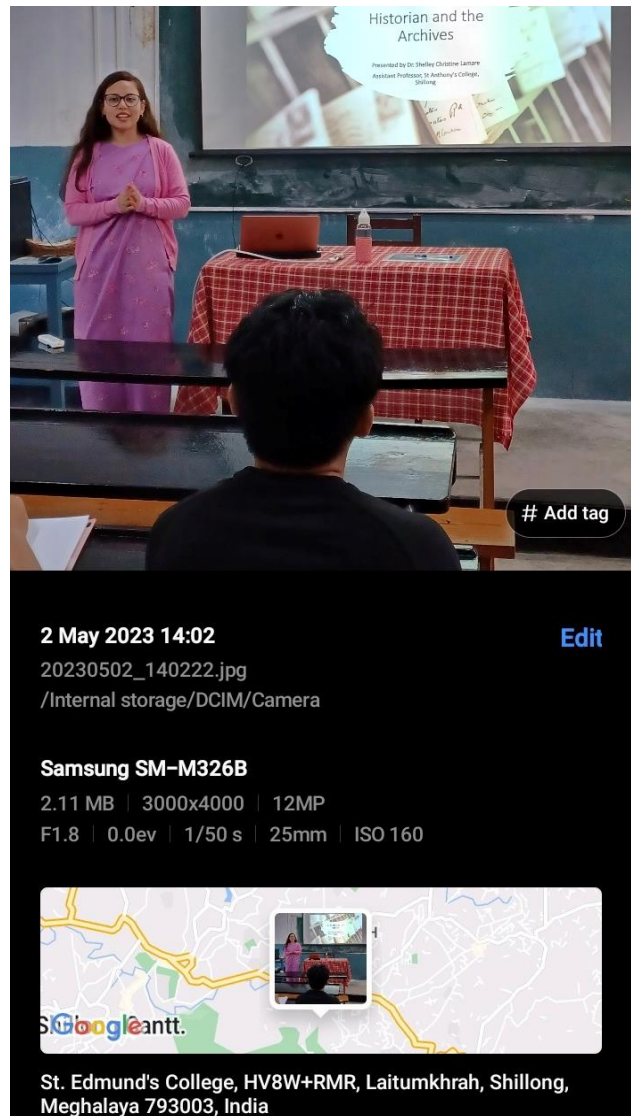


Image 2: Dr. Shelley Christine Lamare, Assistant Professor, Department of History, St. Anthony's College, Shillong, discussing the significance of archival work (02 May 2023.)

Oliver

Research Facilitator
St. Edmund's College
Shillong - 793003

REPORT ON THE VALUE-ADDED COURSE ON

Khasi for Everyday Life

Conducted between 11-17 May 2023



ORGANISED BY

The Department of Khasi, St. Edmund's College, Shillong

In collaboration with

**The Incubation and the Internal Quality Assurance Cell (IQAC), St.
Edmund's College, Shillong**

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ACKNOWLEDGEMENTS

This Value-Added Course on “Khasi for Everyday Life” conducted by the Department of Khasi of St. Edmund's College, Shillong, has materialised owing to the efforts of **Bobby S. Basan**, Head, of Khasi Department, St. Edmund's College, Shillong.

The faculty staff of the Department of Khasi is ever grateful and thankful for the support of:

Br (Dr.) Simon Coelho, Principal in-charge, Secretary, Governing Body, St. Edmund's College, Shillong

Prof. Monotosh Chakravarty, Vice Principal (Administration), St. Edmund's College, Shillong

Dr. Capt. K. P. Pallavi Malhan, Vice Principal (Administration), St. Edmund's College, Shillong

Prof. Sumit Deb, (IQAC) Coordinator, St. Edmund's College, Shillong

I am also thankful to the resource persons for the course. They equipped the students with necessary knowledge and tools required for conversing in Khasi. These resource person are:

W. Kharwanlang, VAC Coordinator, Department of Khasi, St. Edmund's College, Shillong

Dr. Rosa M. Mawlong, Faculty, Department of Khasi, St. Edmund's College, Shillong

Dr. Ronald P. Kharshiing, Faculty, Department of Khasi, St. Edmund's College, Shillong

The dedication of the students of the B.S.W., B.C.A., M.S.W., B. Com. departments of St. Edmund's College, Shillong, is appreciated. I wish them success in their future endeavours.

GENERAL INFORMATION

- a. **Title of the Course:** Khasi for Everyday Life
- b. **Total Contact Hours:** 28
- c. **Date of Approval:** 08 May 2023
- d. **Opening of registration process:** 08 May 2023
- e. **Closing of registration process:** 10 May 2023
- f. **Mode of Registration:** Online ([Google Forms](#))
- g. **Date for Commencement of the Course:** 11 May 2023
- h. **Conclusion of the course:** 17 May 2023
- i. **Duration:** 36 hours; including 12 hours for preparations and assessments
- j. **Total No of Students Enrolled:** 15
- k. **Registration Fee:** None
- l. **Course Coordinator:** W. Kharwanlang, Assistant Professor, St. Edmund's College, Shillong
- m. **Resource persons:**

Bobby S. Basan, Associate Professor and Head of Khasi Department, St. Edmund's College, Shillong

Dr. Rosa M. Mawlong, Assistant Professor, Khasi Department, St. Edmund's College, Shillong

Dr. Ronald Peel Kharshiing, Assistant Professor, Khasi Department, St. Edmund's College, Shillong

COURSE STRUCTURE

The subsequent sub-section will highlight various aspects of the course, such as Course Description, the Programme, the Mode of the conduct of this course and the grading.

3.1 Course Description:

This six-module Value-Added Course has been curated for the non-Khasi-speaking students of St. Edmund's and aimed to teach them how to have friendly conversations in the college, at the market and social gatherings. This course in Khasi language skills focussed on the Khasi vocabulary and phrases used in everyday life.

3.2 Programme of the Course:

This course was divided into six modules. Each module was taught by a faculty member of the Department of Khasi. The Research Facilitator introduced the course to the students. The programme of the course is listed in the table below:

Date	Time	Module	Resource Person
Thursday, 11 May 2023	2:00-6:00	About the Value-Added Course	Dr. Oliver N. Gonsalves , Research Facilitator, Incubation Centre
		Introduction to Khasi Language	B. S. Basan , Head, Department of Khasi
Friday, 12 May 2023	2:00-6:00	Conversation at Home	B. S. Basan , Head, Department of Khasi
Saturday, 13 May 2023	2:00-6:00	Conversation in the college	W. Kharwanlang , Assistant Professor, St. Edmund's College, Shillong
Monday, 15 May 2023	2:00-6:00	Conversation in the market	Dr. Ronald Peel Kharshiing , Assistant Professor, Khasi Department, St. Edmund's College, Shillong
Tuesday, 16 May 2023	2:00-6:00	Conversation at social gatherings	Dr. R. M. Mawlong , Assistant Professor, Khasi Department, St. Edmund's College, Shillong
Wednesday, 17 May 2023	2:00-6:00	Pronunciation	Dr. R. M. Mawlong , Assistant Professor, Khasi Department, St. Edmund's College, Shillong
		Practicals and an Oral Exam	

Apart from the six modules, twelve hours were allotted for the assessment of the students' feedback on the conduct and *content* of the course.

3.3 Mode of conduct of the Course:

An offline (physical) mode was followed for this course. The six modules were held in Room Number 17, in the Main Block of St. Edmund's College, Shillong.

3.4 Grading Policy:

Students were assigned the following grades, based on the complete course assessments.

Marks	Final Grade
90-100	A+
80-90	A
70-80	B+
60-70	B
50-60	C+
40-50	C
Below 40	Needs improvement

LIST OF REGISTERED PARTICIPANTS

Serial No.	Enrollment No.	Name	Department	Semester
1	20/BCAS/024	Vaishno Chettri	Bachelor of Computer Application	VI
2	20/BSWS/008	Zingmi Rungsung	Bachelor of Social Work	VI
3	21/BCOM/063	Gaurav Paul	Commerce	IV
4	21/BCOM/081	Lowies Lyngdoh	Commerce	IV
5	21/BCOM/030	Ejohn Tang	Commerce	IV
6	21/BCOM/128	Prem Chhetri	Commerce	IV
7	21/BSWS/057	Streamlet Wahlang	Bachelor of Social Work	II
8	22/BSWS/004	Longtise L. Sangtam	Bachelor of Social Work	II
9	22/BSWS/007	Natalie Namesha K Marbaniang	Bachelor of Social Work	II
10	22/BSWS/027	Nafinia Marwein	Bachelor of Social Work	II
11	22/BSWS/031	Idabaryne Majaw	Bachelor of Social Work	II
12	22/BSWS/046	Jennifer Lyngdoh Nonglait	Bachelor of Social Work	II
13	22/BSWS/051	Sukkidawanka Mawlong	Bachelor of Social Work	II
14	22/BSWS/053	Lapynshai Ripnar	Bachelor of Social Work	II
15	22/BSWS/084	Yvonne Vanlalvenpuui	Bachelor of Social Work	II

ATTENDANCE

Sr. No.	Enrollment No.	Name	Semester	Attendance (%)
1	20/BCAS/024	Vaishno Chettri	VI	--
2	20/BSWS/008	Zingmi Rungsung	VI	--
3	21/BCOM/063	Gaurav Paul	IV	100
4	21/BCOM/081	Lowies Lyngdoh	IV	100
5	21/BCOM/030	Ejohn Tang	IV	100
6	21/BCOM/128	Prem Chhetri	IV	16
7	21/BSWS/057	Streamlet Wahlang	IV	--
8	22/BSWS/004	Longtise L. Sangtam	IV	--
9	22/BSWS/007	Natalie Namesha K Marbaniang	II	--
10	22/BSWS/027	Nafinia Marwein	II	100
11	22/BSWS/031	Idabaryne Majaw	IV	--
12	22/BSWS/046	Jennifer Lyngdoh Nonglait	II	83
13	22/BSWS/051	Sukkidawanka Mawlong	IV	83
14	22/BSWS/053	Lapynshai Ripnar	IV	--
15	22/BSWS/084	Yvonne Vanlalvenpuii	IV	--

TESTS AND RESULTS

A series of oral tests were taken after the last day of the Value-Added Course. These tested translation and conversational skills of each student. Each test was supervised by the resource persons and covered the content taught by them. The objective of this evaluation method was to test the students on their understanding and capability daily conversations in Khasi.

6.1 Methodology of evaluation:

Each oral test had a variation of marks ranging from 0-4 marks for one question. Each student was given five questions according to the topic taught during the course. These topics are marked in the table below as CH (Conversation at Home), CC (Conversation in College), CM (Conversation in the Market) and CSG (Conversation at Social Gatherings). The maximum score for each student was 100. Since there were four resource persons, each teacher was allotted 25 marks. Marks from the oral tests were then used to obtain a percentage score. The percentage of marks were converted to a grade. Only students who had scored a minimum of 40% and above were eligible for a certificate.

6.2 Results:

The details of the marks scored and the final percentage attained is listed in the table below:

Sr. No.	Enrollment No.	Name	CH	CC	CM	CSG	% of Marks	Grade
			25	25	25	25		
1	20/BCAS/024	Vaishno Chettri	--	--	--	--	--	--
2	20/BSWS/008	Zingmi Rungsung	--	--	--	--	--	--
3	21/BCOM/063	Gaurav Paul	15	25	24	23	87	A
4	21/BCOM/081	Lowies Lyngdoh	15	24	23	25	87	A
5	21/BCOM/030	Ejohn Tang	15	25	25	25	90	A+
6	21/BCOM/128	Prem Chhetri	--	--	--	--	--	--
7	21/BSWS/057	Streamlet Wahlang	--	--	--	--	--	--
8	22/BSWS/004	Longtise L. Sangtam	--	--	--	--	--	--
9	22/BSWS/007	Natalie Namesha K Marbaniang	--	--	--	--	--	--
10	22/BSWS/027	Nafinia Marwein	15	18	24	25	82	A
11	22/BSWS/031	Idabaryne Majaw	--	--	--	--	--	--
12	22/BSWS/046	Jennifer Lyngdoh Nonglait	15	23	25	25	88	A
13	22/BSWS/051	Sukkidawanka Mawlong	15	21	24	24	84	A
14	22/BSWS/053	Lapynshai Ripnar	--	--	--	--	--	--

15	22/BSWS/084	Yvonne Vanlalvenpuii	--	--	--	--	--	--
----	-------------	----------------------	----	----	----	----	----	----

Out of the 15 students who registered for the course, only 06 passed this course. Thus, **this course had a passing percentage of 40%**. Nine students failed to appear for the tests (listed in the table above as CH, CC, CM and CSG). **Figure 1** below is a graphical display of the percentage scores of the students.

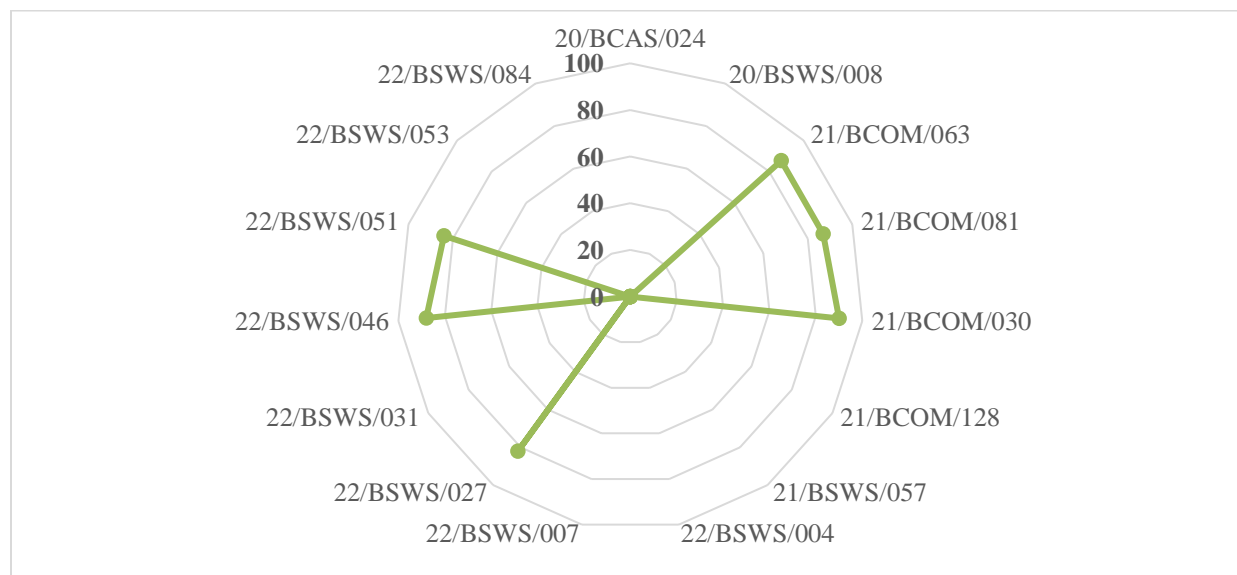


Figure 1: Percentage score of students

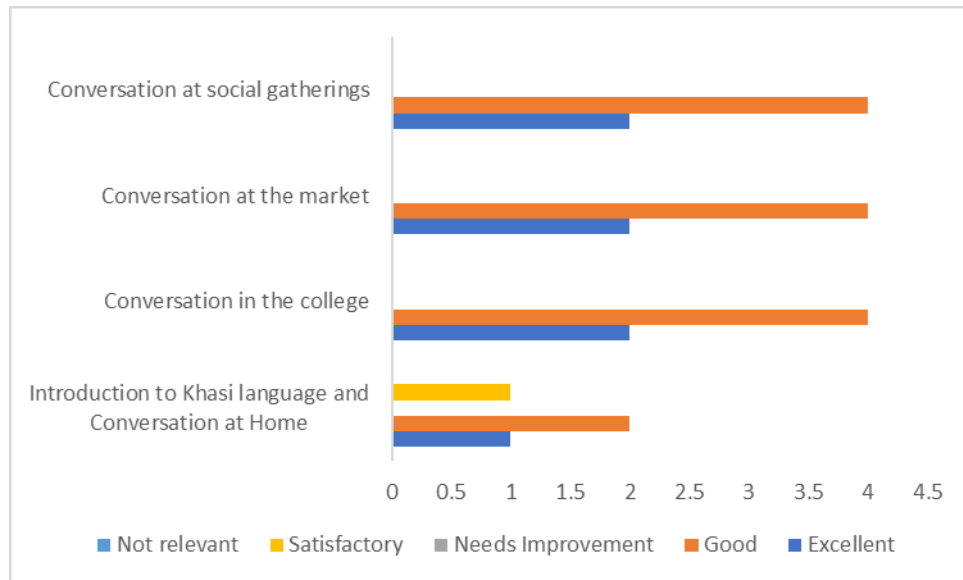
Note: This data was plotted using MS Excel.

Based on oral evaluations, appropriate grades were awarded to the student. While the scores (marks) for the test were marked on paper, the grades were only included in the certificates.

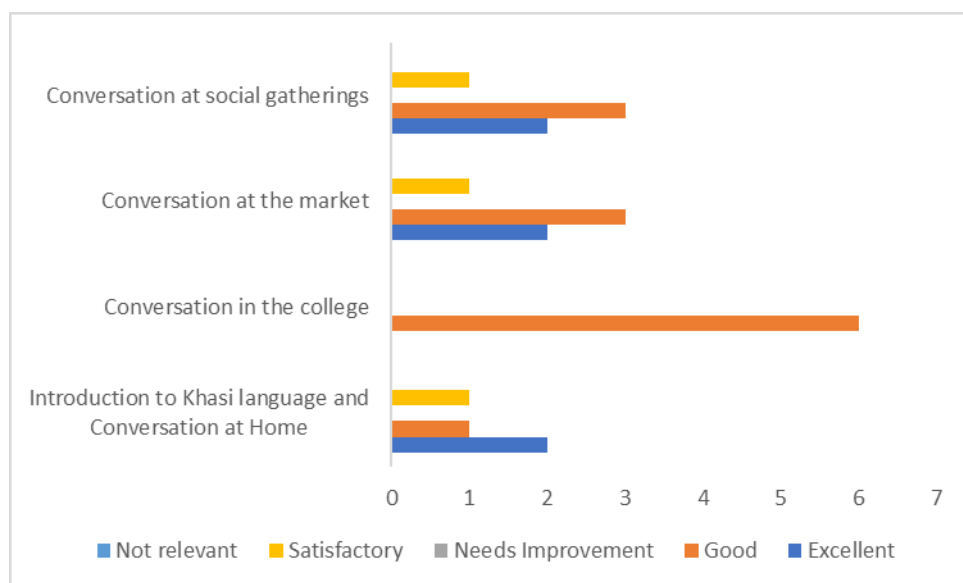
FEEDBACK FROM STUDENTS

Feedback forms were circulated at the conclusion of each module. These forms also evaluated the coordinators performance. Responses (of the students) are depicted below.

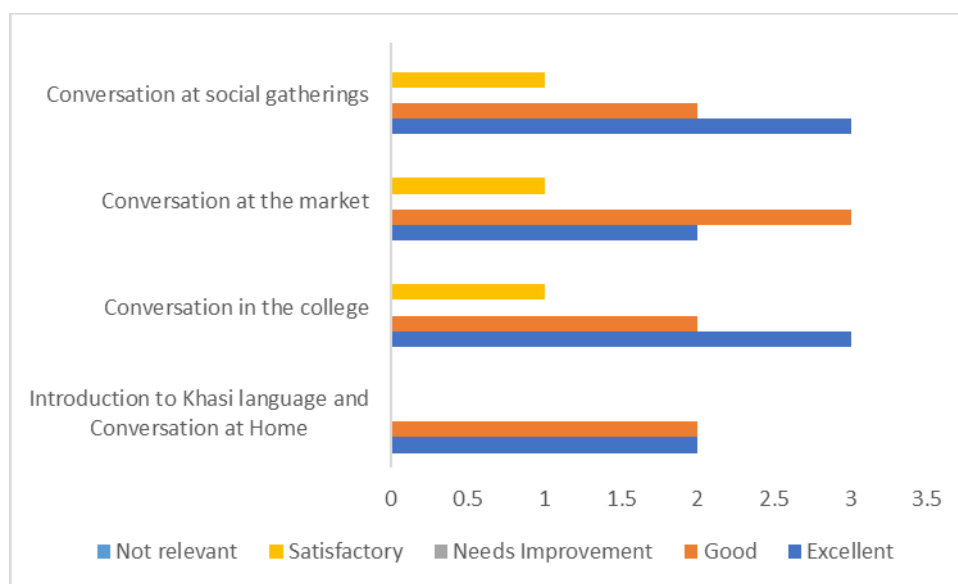
Question 1: Was the objective of the course clear to you?



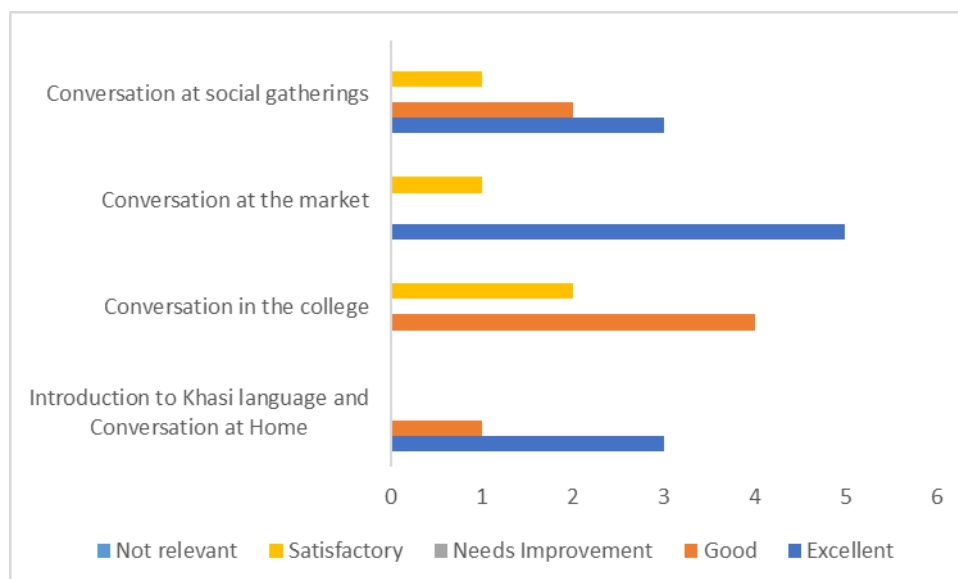
Question 2: How were the topics structured?



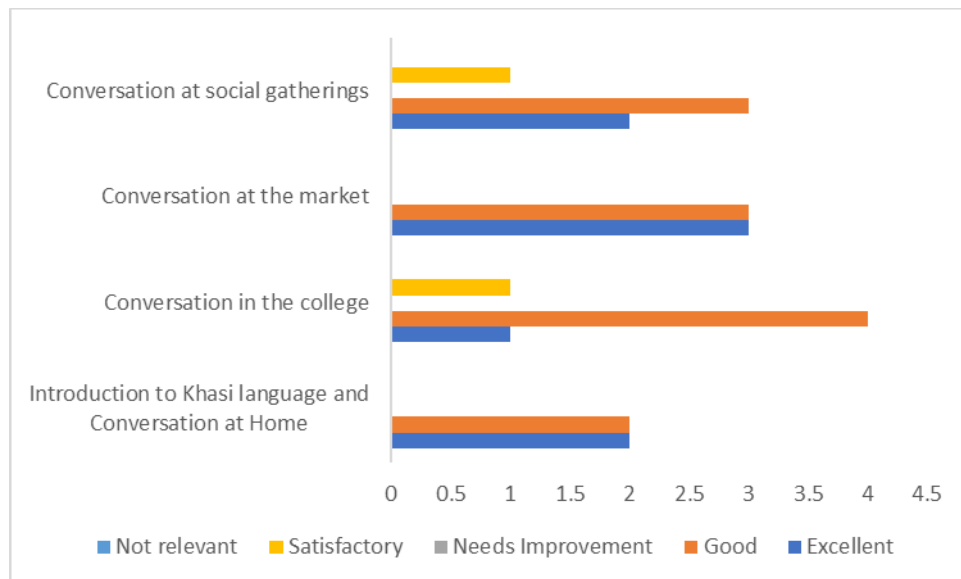
Question 3: Did the content of the topic enhance your understanding of daily-use language?



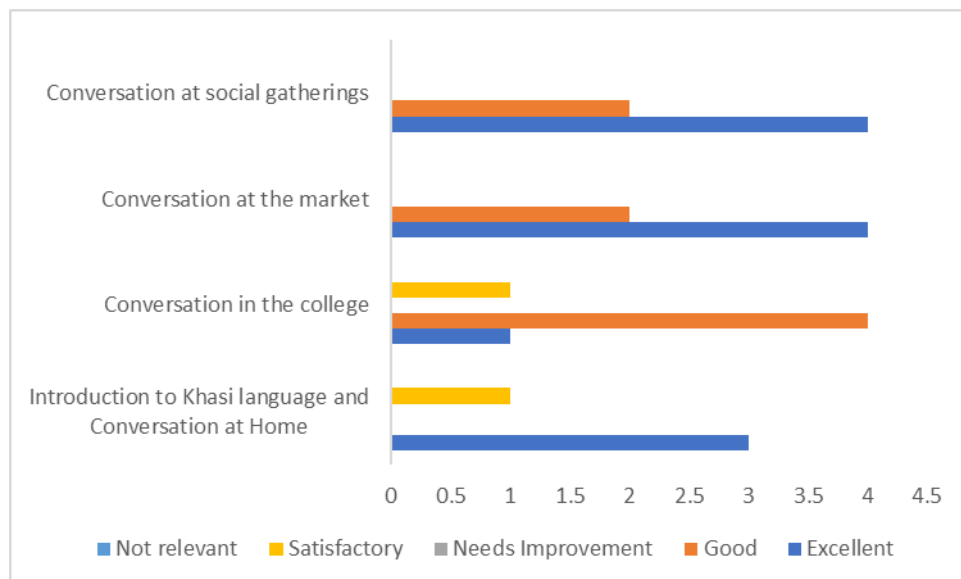
Question 4: How was the structure (organization/planning) of the topic?



Question 5: Were the sessions interactive enough?



Question 6: How would you describe this course to your friends?



Do you have any **SUGGESTIONS** for the coordinators on how to improve this course?

- Very interesting and I learned a lot.
- Very interactive and a great opportunity.
- Good for beginners.
- I learned a lot when it came to pronunciations.
- I learned new words, especially Khasi vowels.

f. The coordinators were very friendly.

FINANCIAL STATEMENT

There were no financial implications on the college.

APPENDICES

The following materials were used as supplementary material to enhance the merit of this course:

9.1 Appendix A (Brochure)



Value-Added Course on Khasi for Everyday Life
Organised by the Department of Khasi,
in collaboration with the Incubation Centre, St. Edmund's College, Shillong

Introduction
Having trouble bargaining at Laitumkhrah bazaar? Can't find the words to ask the price of a pineapple at the market? Do you want to surprise your friend in Mawryngkneng but can't the way to her place? Do you want to make friends with your next-door neighbours who only speak Khasi? This course in Khasi language skills focuses on the Khasi vocabulary and phrases used in everyday life. With this course, you won't need a free hand to sign your way into the market. You could have your hands full — literally!

Target Participants
The course is for ALL students of St. Edmund's College, Shillong

Course Content

Content	Hours
Module I: Introduction to Khasi	4
Module II: Conversations at home	4
Module III: Conversations in the college	4
Module IV: Conversations in the market	4
Module V: Conversations at social gatherings	4
Module VI: <u>Practicals</u> and an Oral Exam	4

Objectives
This six-module Value-Added Course has been curated for the non-Khasi-speaking students of St. Edmund's and aims to teach them how to have friendly conversations in the college, at the market and social gatherings.

Course Fees
No Course Fee

Presenter(s)
☐ Mr. W. Kharwanlang, Assistant Professor, Department of Khasi, St. Edmund's College
☐ Mr. Bobby S. Basan, Associate Professor, Department of Khasi, St. Edmund's College

Assessments*
An oral exam will be held, based on the teachings of the previous modules, on the last day of the course. The results shall be graded accordingly with an analysis of the feedback. Reference materials will be circulated using Liveways.

Mode
This course will be conducted OFFLINE

***Participants who have completed ALL modules of the 36-hour course (including assignments) will be provided with certificates**

***Kindly note that all correspondence will be through e-mail only**

How to Apply
REGISTER HERE

For queries, please contact**
Mr. W. Kharwanlang,
Assistant Professor
Department of Khasi
St. Edmund's College, Shillong
Email id: khasisec@gmail.com

Important Dates

Registration Opens	08 May 2023
Registration Closes	10 May 2023
Commencement of the Course	11 May 2023
Timings	2:00 – 6:00 p.m.
Module I	11 May 2023
Module II	12 May 2023
Module III	13 May 2023
Module IV	15 May 2023
Module V	16 May 2023
Module VI	17 May 2023

9.2 Appendix B (Template of the Certificate)



9.3 Appendix C (Geo-tagged photographs of the sessions taken during the course)



Image 1: Bobby S. Basan, Head, Department of Khasi, St Edmund's College, Shillong, teaching a segment of the module on Conversation at Home.



Image 2: Dr. Oliver Nelson Gonsalves, Research Facilitator, St. Edmund's College, Shillong introduces the course to the students.



Image 3: Student participants

Oliver

Research Facilitator
St. Edmund's College
Shillong - 793003

**Report on
Add-on course in Clinical Biochemistry
(2022-2023)
Department of Biochemistry,
St. Edmund's College**

The Add-on Course in Clinical Biochemistry course commenced on the 18th October of 2022 and concluded on 28th June, 2023 for the session of 2022-2023. The main objective of the course is develop the skill on handling semi-autoanalyzer in the students. Content wise it specifically focused on quantitative determination of various biochemical parameters in serum samples. At a larger perspective the course is design to motivate students to undertake Clinical Science in Higher Studies and future research. The report provides an overviews on the course.

1. **Course Coordinator:** Dr.Banteiskhem Kharwanlang
2. **Papers:** CB101 (Theory), CB102 (Practical), CB103 (Theory) & CB104 (Practical)
3. Each Paper carries 50 Marks.
4. **Resource Persons/Invigilators/Examiners:**
 - a. Dr. Harmit Ranhotra
 - b. Dr. James Wahlang
 - c. Dr.Banteiskhem Kharwanlang
 - d. Dr. K. Hadem
 - e. Dr.Omarlin Kyndiah
5. **Target Participants:** Fifth Semester Students of Biochemistry
6. **Number of Students admitted:** 19
7. **Theory contact hours:** 23 hours
8. **Practical contact hours:** 33 hours
9. **Examination:**
 - i. Dates:
 - a. Theory (CB101: 17th May, 2023 and CB103: 18th May, 2023)
 - b. Practical (CB102: 27th June, 2023 and CB104: 28th June, 2023)
 - ii. Each Paper carries a maximum marks of 50 & Pass Marks of 20.
 - iii. Result Declared on 19th August, 2023

- iv. Number of Students Pass: 10
- v. Marksheets & Certificates are provided to successful students
- vi. Students who could not pass the examination are encourage to appear in the next session of 2023-2024

7. **Feedback:** Students gave their feedback via google form.

8. Theory & Practical sessions are arrange so that it does not clash with ongoing main undergraduate course.

9. Laboratory & Examination Assistance by Mr. Bancasper Khongrymmmai, Lab Attendant is acknowledged.

10. **Reagents:** ERBA Kits

Students Listed for the Programs

Name	Roll Number	Attendance Theory (23 Classes)	Attendance Practical (11 Sessions)
Abhishek Kumar Sah	362	21	11
Suraj Singh	381	17	6
Fivarine Sumer	382	22	11
E Malvin L Dumai	376	20	10
Daysun R Shira	354	20	7
Sudarshana Borah	353	17	8
Nishita Hazarika	361	13	3
Trideep Das	351	8	04
Saphidaroibun Gashnga	355	18	7
SynsharPyrbot	357	20	10
Zaheed Hussain	358	21	8
Manoshi Ghosh	359	16	8
Pragya Mukherjee	360	16	11
Glorify Shylla	363	19	9
WanrikyntiPhawa	365	12	7
Iaijoplin Lyngdoh	367	16	7
Johnson Myllem	371	18	9
Favio A Rymmai	375	17	03
E Malvin L Dumai	376	20	10

Wandakahi War	379	22	8

Challenges: Finding slots or free periods to manage the theory & practical classes as well the examination schedule of the Add-on Course.

Conclusion:

The Add-on Course in Clinical Biochemistry Course has provided a valuable knowledge and practical skills in the quantitative determination of various biochemical parameters in serum samples utilizing the semi-autoanalyzer. Students learned to perform clinical tests such as cholesterol, triglycerides, glucose, creatinine, urea, total bilirubin and calcium clinical tests. Students have been found to handle the semi-autoanalyzer skilfully and it will be an added resource in case for their higher studies in clinical science.

END OF REPORT

a. Results

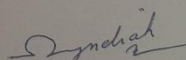
Name of Candidate	Result
Trideep Das	NY
Sudarshana Borah	C
Daysun R Shira	NY
Saphidaroibun Gashnga	C
Synshar Pyrbot	C
Zaheed Hussain	NY
Manoshi Ghosh	NY
Pragya Mukharjee	C
Nishita Hazarika	C
Abhishek K Sah	NY
Glorify Shylla	NY
Wanrikynti Phawa	C
Iaijoplin Lyngdoh	C
Johnson Myllem	C
Favio A Rymmai	NY
E Malvin L Dumai	C
Wandakahi War	C
Suraj Singh	NY
Fivarine Sumer	NY

** C= Completed ; NY= Not yet completed

*** Certificate of Completion & Marksheet will be provide on the 30th August, 2023.



Course Coordinator



Head of Department,
Department of Biochemistry

b. Attendance

[illegible]

[illegible][illegible]

Dep. H. K. D. C. A.

SHIFT: DAY / MONTH:

Signature Attendance Register of 2019					SHIFT: DAY / MONTH	
SUBJECT:	Roll No.	NAME	Signature Date	Signature Date	Signature Date	Signature Date
	354	Indeep Dhan	Indeep	Indeep	Indeep	Indeep
	355	Indeep Dhan	Indeep	Indeep	Indeep	Indeep
	356	Indeep Dhan	Indeep	Indeep	Indeep	Indeep
	357	Indeep Dhan	Indeep	Indeep	Indeep	Indeep
	358	Indeep Dhan	Indeep	Indeep	Indeep	Indeep
	359	Indeep Dhan	Indeep	Indeep	Indeep	Indeep
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	395	Indeep Dhan	Indeep	Indeep	Indeep	Indeep
	396	Indeep Dhan	Indeep	Indeep	Indeep	Indeep
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	398	Indeep Dhan	Indeep	Indeep	Indeep	Indeep
	399	Indeep Dhan	Indeep	Indeep	Indeep	Indeep
	400	Indeep Dhan	Indeep	Indeep	Indeep	Indeep

Signature Attendance Register of St. Edmund's College

SUBJECT:

[illegible]

SHIP

SPT Partials →
SGOT Partials →
Ca²⁺ Practical →

c. Photos



Photo a: Students operating the semi-autoanalyzer on the first day of practical

Photo b: Practical session and group discussion

Photo c: Theory Exams

Photo d: Group Photo after final practical examination

Report On Value Added Course: Communication In Social Work
Organised by Department of Social Work (UG)

Date: 20th to 29th September 2021

Time: 3pm to 4pm

Venue: Online Zoom Meet

Topic: Value Added Course: Communication in Social Work

Time: Sep 20, 2021 03:00 PM Mumbai, Kolkata, New Delhi

Join Zoom Meeting

<https://us02web.zoom.us/j/81110691651?pwd=c2lPelJb0tvOHpFdEVDV2tBbzQ2dz09>

Meeting ID: 811 1069 1651

Passcode: 781421

No. Of Participants: 98

The course is designed to help student social workers to understand the concept of communication in social work practice. Communication is a skill that is required in creating rapport and maintaining professional relationships with individuals, groups and communities. In order to ensure professional growth, it is essential that the art and skill of communication needs to be taught, groomed and practiced in the best way.

The value-added course started on the 20th of September and ended on the 30th of September, 2021. It was attended for students from Bachelor of Social Work as well as Masters of Social Work of St. Edmund's College Shillong. The course was divided into different topics which were taken by the faculty of the Social Work Department (UG). The course was well attended by students online with a consistency of 80 - 100 Students. The resource persons used demonstrative techniques using Power point presentation and discussions.

The participation of the students was seen through their questioning and opinions about the different topics taken. It raised their curiosity and wanted to learn more. The students participated with great enthusiasm during the classes when they made different materials like flipcharts, flashcards, etc. The objectives of the Value Added Course are achieved and the Department is looking forward to organising many more value added courses that would benefit the students.

Sl. No	CONTENT	DATE	TIME	TEACHER
1.	BASIC CONCEPTS: COMMUNICATION			
	1. Definition 2. Purpose	20.09.2021	3:00 PM - 4:00 PM	Ms. Iarisa A. R. Dorphang

	3. Types			
	1. Components of Communication 2. Barriers to Communication	21.09.2021	3:00 PM - 4:00 PM	Ms. Audrey D. Dohling
2.	MEDIA TECHNIQUES:			
	1. Types of Media 2. Functions of Media 3. Roles of Media	22.09.2021	3:00 PM - 4:00 PM	Ms. Edaneolla Kynta
	Audio: Radio, Public Speaking, Slogans	23.09.2021	3:00 PM - 4:00 PM	Sir Daniel N. Kharkongor
	Visuals: Posters, photos, flipcharts, flash cards, banners, signs	24.09.2021	3:00 PM - 4:00 PM	Ms. Iarisa A. R. Dorphang
	Audio-visuals: puppetry, drama, film, street theatre, electronic presentation	25.09.2021	3:00 PM - 4:00 PM	Sir Randolph V. Langstieh
	Folk Media: Stories, songs, slogans, street theatre	27.09.2021	3:00 PM - 4:00 PM	Sir Randolph V. Langstieh
	Print Media: Press, advertising	28.09.2021	3:00 PM - 4:00 PM	Ms. Aibakor Kharbuli
3.	USES OF MEDIA BY SOCIAL WORKERS	29.09.2021	3:00 PM - 4:00 PM	Ms. Iarisa A. R. Dorphang

REPORT
Value Added Course (VAC) Programme on
“ELECTRONIC COMMUNICATION AND DIGITAL COMMUNICATION SCHEMES”
Organized by Electronics Dept
St Edmund’s College

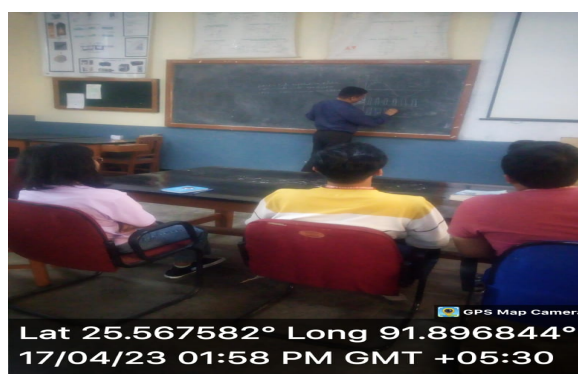
The Electronics Dept, St. Edmund’s College, conducted the 5-days Value Added Course (VAC) programme from the 11th April till 19th April, 2023 (with break in between due to holidays) on “**Electronic Communication and Digital Communication Schemes**”. The Programme had as its venue the Electronics Dept and was attended by total 22 students from BSc Electronics, Physics and Computer science honours from 2nd, 4th and 6th semesters. It was a departmental programme with active participation of all the teachers of the department with Prof Kishore Chakraborty as the Co-ordinator. The programme was in a blended mode of both lectures along with hands-on wherein students designed circuits by themselves. The programme was conducted in a “Do and learn” manner to give students ideas of working of communication circuits in electronics in a practical way. It was organized and conducted in a successful manner with active participation of the students and teachers, along with the support of college management.

Programme outcome

Students will develop understanding and knowledge of key concepts of electronic communication and underlying theories involved in it. They will develop abilities to design projects and develop solutions to problems related to field of digital electronic communication. Also, they will be equipped with relating various fields of studies related to the electronic communication in much easier way and in-depth manner.

Following are a few Photographs taken during the programme along with the programme schedule

Pictures



Programme schedule

PROGRAMME: Value added course

**VENUE: DEPARTMENT OF ELECTRONICS
ST. EDMUND'S COLLEGE**

DAY 1 : (11th OF April) TIMING:2 to 5pm	
NAME OF THE SPEAKER	TOPIC
PROF. D.R CHOUDHURY	LAPLACE TRANSFORM THEORY AND APPLICATIONS IN COMMUNICATIONS

DAY 2: (12TH OF April) TIMING:2 to 5pm	
NAME OF THE SPEAKER	TOPIC
PROF. S. CHAKRABORTY	FOURIER TRANSFORM THEORY AND APPLICATIONS IN COMMUNICATIONS

DAY 3 : (17TH OF April) TIMING:2 to 5pm	
NAME OF THE SPEAKER	TOPIC
PROF. H MEDHI	OVERVIEW OF VARIOUS COMMUNICATION SCHEMES(with Hands on session))

DAY 4: (18th of April) TIMING:2 to 5pm	
NAME OF THE SPEAKER	TOPIC
PROF. B. P. THANGKHIEW	ANALOG COMMUNICATION

DAY 5 : (19TH OF April) TIMING:2 to 5pm	
NAME OF THE SPEAKER	TOPIC
PROF. K CHAKRABORTY	DIGITAL COMMUNICATION AND VARIOUS SCHEMES(with Hands on Session)

ATTENDANCE

Name (In Full)	Department	Semester	Total Hours	Attended	Attendance Percentage
Chonchui shaiza	Sociology	VI	16	8	100
Sareo Zasoon	Sociology	VI	16	8	100
Hathoithiem Gangte	Sociology	VI	16	8	100
Afia Zaheen Bora	Sociology	VI	16	8	100
Chelsea Anthea Wanniang	Sociology	VI	16	8	100
Karyom Dirchi	Sociology	VI	16	7	87.5
kristi kashyap	Sociology	VI	16	4	50
CVL VENTLUANGA	Sociology	VI	16	8	100
John Basaiawmoit	Sociology	VI	16	8	100
Clareen Dariti Mawrie	Sociology	VI	16	8	100
Wanrikyntihun wahlang	Sociology	VI	16	8	100
Simi Debbarma	Sociology	VI	16	8	100
Mebashatjingshainongsiej	Sociology	VI	16	8	100
Betdondor Marwein	Sociology	VI	16	8	100
Aibanshngain kharshong	Sociology	VI	16	8	100
Chingrimung Horam	Sociology	VI	16	8	100
Amrita Talukdar	Sociology	VI	16	4	50
16Muskan Ahmed	Sociology	VI	16	8	100
Dikshita Phukan	Sociology	VI	16	8	100
Wansaka Mutyen	Sociology	VI	16	8	100
Indrani Baishya	Sociology	VI	16	8	100
Daisy kakati	Sociology	VI	16	8	100
Saphiisarisa Majaw	Sociology	VI	16	4	50
Ayushmi Kashyap	Sociology	VI	16	8	100
Ilapynshai Marwein	Sociology	VI	16	8	100
Ginlenlal Chongthu	Sociology	VI	16	8	100
V.L Malsawmdawngkimi	Sociology	VI	16	8	100
Ropfevieo Pfuno	Sociology	VI	16	8	100
Zachary P Syiem	Sociology	VI	16	8	100
P. Khen lun lal	Sociology	VI	16	8	100
Lalrinzuala Pachuau	Sociology	VI	16	8	100
Lalsiamthara Sathing	Sociology	VI	16	8	100
Lv Aelly Lamkang	Sociology	VI	16	8	100
Imjungrenla Longchar	Sociology	VI	16	7	87.5
Wansame lakiang	Sociology	VI	16	8	100
Darrius Gilbert Syiemlieh	Sociology	VI	16	8	100
Mavariene R. Kharlyngdoh	Bsw	VI	16	2	25
Naome Lalremkimi	Sociology	VI	16	6	75
Lhingnunthieng Haokip	Sociology	VI	16	8	100
Neipineng Khongsai	Sociology	VI	16	8	100
Anindita Dev	Political Science	VI	16	7	87.5
Bhargov Kumar Sarmah	History	VI	16	7	87.5



St. Edmund's College Shillong

VALUE ADDED COURSE ON:

BASICS CONCEPTS
OF
SOCIAL RESEARCH

From the 15th-23rd March
Time: 2-4pm

ORGANISED BY:

SOCIOLOGY DEPARTMENT
St. Edmund's College

REGISTRATION LINK

[https://forms.gle/pEj9N8iM4e2FC
P5R6](https://forms.gle/pEj9N8iM4e2FCP5R6)

FEE Rs 100

COURSE OUTLINE

- ☐ Scientific Research
- ☐ Concepts, Constructs and Variables
- ☐ Hypotheses
- ☐ Research Designs
- ☐ Techniques of Data collection
- ☐ Data Processing and Data analysis
- ☐ Research outputs



ST. EDMUND'S COLLEGE, SHILLONG

CERTIFICATE OF MERIT

AWARDED TO



OF HISTORY DEPARTMENT, SIXTH SEMESTER
FOR COMPLETING THE EIGHT DAY VALUE ADDED COURSE (VAC) ON
"BASIC CONCEPTS OF SOCIAL RESEARCH"
WITH "GRADE C"

THIS COURSE WAS ORGANISED BY THE SOCIOLOGY DEPARTMENT,
IN COLLABORATION WITH THE
INTERNAL QUALITY ASSURANCE CELL (IQAC),
ST. EDMUND'S COLLEGE, SHILLONG
FROM 15 TO 23 MARCH 2023
CERTIFICATE ID: SECSOCVAC120230041

GRADE	A+	A	B+	B	C+	C
MARKS	90-100%	80-90%	70-80%	60-70%	50-60%	40-50%

WILLIAM B. F. LYNRAH

Coordinator VAC

F. E. J. SYNGAI

HoD, Sociology

Prof. S. DEB

IQAC, Coordinator

Dr. P. MALHAN

Vice Principal
(Academics)

Dr. S. LAMARE

Principal
St. Edmund's College

REPORT OF THE VALUE-ADDED COURSE ON

Basic Concepts of Social Research

Conducted from the 15th -23rd of March, 2023



ORGANISED BY
The Sociology Department, St. Edmund's College,
Shillong
In collaboration with
The Internal Quality Assurance Cell (IQAC),
St. Edmund's College, Shillong.

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ACKNOWLEDGEMENTS

The Value Added Course on “The Basic Concepts of Social Research” conducted by the Sociology Department of St. Edmund’s College, Shillong has materialised owing to the abled efforts of **F. E. J Syngai**, Head, Department of Sociology, St. Edmund’s College, Shillong.

The staff of the Sociology Department is ever grateful for the support of:

Br. (Dr.) Simon Coelho, Secretary, Governing Body, St. Edmund’s College, Shillong.

Dr. S. Lamare, Principal, St. Edmund’s College, Shillong.

Prof. M. Chakravarty, Vice Principal (Administration), St. Edmund’s College, Shillong

Dr. Capt. K.P. Pallavi Malhan, Vice Principal (Administration), St. Edmund’s College, Shillong

Prof. Sumit Deb, IQAC Coordinator, St. Edmund’s College, Shillong.

I am thankful to the resource persons of the course for equipping the students with the necessary knowledge and tools required for research:

F. E. J Syngai, Head, Department of Sociology, St. Edmund’s College, Shillong.

R. Kharshong, Faculty, Department of Sociology, St. Edmund’s College, Shillong

N. Syiemlieh, Faculty, Department of Sociology, St. Edmund’s College, Shillong

Dr.O.N. Gonzalves, Research Facilitator, Incubation Cell, St. Edmund’s College, Shillong.

The dedication of the **students** of the Sociology, Political Science and History Department St. Edmund’s College, Shillong, in attending the course religiously and completing all the required work within the stipulated time.

GENERAL INFORMATION

- a. **Title of the Course:** Basic Concepts of Social Research
- b. **Total Contact Hours:** 20 (16 modules and 4 Assessment and feedback)
- c. **Date of Approval:** 11th March, 2023
- d. **Opening of registration process:** 11th March, 2023
- e. **Closing of Registration Process:** 15th March, 2023
- f. **Mode of Registration:** Online (Google Forms) and Offline
- g. **Date for Commencement of the Course:** 15th March, 2023
- h. **Conclusion of the course:** 23rd March, 2023
- i. **Duration:** Eight Days
- j. **Total No of Students Enrolled:** 41 (Forty One)
- k. **Registration Fees:** Rs 100/- (Rupees One Hundred)
- l. **Course Coordinator:** William B.F Lynrah
- m. **Resource Persons:**
 - **F. E. J Syngai**, Head, Department of Sociology, St. Edmund's College, Shillong.
 - **R. Kharshong**, Faculty, Department of Sociology, St. Edmund's College, Shillong
 - **N. Syiemlieh**, Faculty, Department of Sociology, St. Edmund's College, Shillong
 - **Dr.O.N. Gonzalves**, Research Facilitator, Incubation Cell, St. Edmund's College, Shillong.
 - **William B.F Lynrah**, Faculty, Department of Sociology, St. Edmund's College, Shillong

COURSE STRUCTURE

The following section will describe various aspects of the value added course. It is highlighted under the following heads:

3.1 Course Description:

Research is the systematic investigation into and study of materials and sources in order to establish facts and reach new conclusions. Keeping this in mind, the course is planned for the students, to familiarise them with the discipline's reach in the field of social research. The approach is very basic, enlightening the students with concepts that form the base of social research.

3.2 Programme of the Course:

This course was divided into 8 modules. Each modules managed by a faculty member of the Sociology Department and one module by the Research Facilitator of the college. The programme of the course is listed in the table below:

Sl.no.	Date	Topic	Time	Teacher
1.	15.03.2023	Scientific Research	2-4pm	Prof. F.E.J. Syngai
2.	16.03.2023	Scientific Research/ Concepts, Constructs and Variables	2-4pm	Prof. F.E.J. Syngai/ Mr. W.B.F. Lynrah
3.	17.03.2023	Concepts, Constructs and Variables	2-4pm	Mr. W.B.F. Lynrah
4.	18.03.2023	Hypotheses	2-4pm	Ms. R. Kharshong
5.	20.03.2023	Research Designs	2-4pm	Ms. N. Syiemlieh
6.	21.03.2023	Techniques of Data collection	2-4pm	Ms. N. Syiemlieh
7.	22.03.2023	Research outputs	2-4pm	Dr. O.N Gonsalves
8.	23.03.2023	Data Processing and Data analysis	2-4pm	Mr. W.B.F. Lynrah

The course had an eight day, two-hours modules with an additional four hours were allotted for the assessment of the students' tests and their feedback on the conduct and content of the course. All test and feedback were conducted and received via the Google forms.

3.3 Mode of conduct of the Course:

The course was held offline (on Zoom), over the period of eight working days. The duration of each module was two hours, with the total course comprising 16 (sixteen) contact hours and 4 (four) for assessment and feedback. The resources available in the college were used like room 11 for conducting the course and the projector to show the power point presentations.

3.4 Grading Policy:

Students were assigned the following grades, based on the complete course assessments.

Marks	Grade
90-100	A+
80-90	A
70-80	B+
60-70	B
50-60	C+
40-50	C
Below 40	Needs improvement

LIST OF REGISTERED PARTICIPANTS

Username	Name (In Full)	Department
shaizachonchui@gmail.com	Chonchui shaiza	Sociology
sareozasoon@gmail.com	Sareo Zasoon	Sociology
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afiazaheenbora@gmail.com	Afia Zaheen Bora	Sociology
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karyomdirchi@gmail.com	Karyom Dirchi	Sociology
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pipikhongsai2@gmail.com	Neipineng Khongsai	Sociology
devanindita@gmail.com	Anindita Dev	Political science
bhargovkumarsarmah@gmail.com	Bhargov Kumar Sarmah	History

ATTENDANCE

Name (In Full)	Department	Semester	Total Hours	Attended	Attendance Percentage
Chonchui shaiza	Sociology	VI	16	8	100
Sareo Zasoon	Sociology	VI	16	8	100
Hathoithiem Gangte	Sociology	VI	16	8	100
Afia Zaheen Bora	Sociology	VI	16	8	100
Chelsea Anthea Wanniang	Sociology	VI	16	8	100
Karyom Dirchi	Sociology	VI	16	7	87.5
kristi kashyap	Sociology	VI	16	4	50
CVL VENTLUANGA	Sociology	VI	16	8	100
John Basaiawmoit	Sociology	VI	16	8	100
Clareen Dariti Mawrie	Sociology	VI	16	8	100
Wanrikyntihun wahlang	Sociology	VI	16	8	100
Simi Debbarma	Sociology	VI	16	8	100
Mebashatjingshainongsiej	Sociology	VI	16	8	100
Betdondor Marwein	Sociology	VI	16	8	100
Aibanshngain kharshong	Sociology	VI	16	8	100
Chingrimung Horam	Sociology	VI	16	8	100
Amrita Talukdar	Sociology	VI	16	4	50
16Muskan Ahmed	Sociology	VI	16	8	100
Dikshita Phukan	Sociology	VI	16	8	100
Wansaka Mutyen	Sociology	VI	16	8	100
Indrani Baishya	Sociology	VI	16	8	100
Daisy kakati	Sociology	VI	16	8	100
Saphiiarisa Majaw	Sociology	VI	16	4	50
Ayushmi Kashyap	Sociology	VI	16	8	100
Ilapynshai Marwein	Sociology	VI	16	8	100
Ginlenlal Chongthu	Sociology	VI	16	8	100
V.L Malsawmdawngkimi	Sociology	VI	16	8	100
Ropfevieo Pfuno	Sociology	VI	16	8	100
Zachary P Syiem	Sociology	VI	16	8	100
P. Khen lun lal	Sociology	VI	16	8	100
Lalrinzuala Pachuau	Sociology	VI	16	8	100
Lalsiamthara Sathing	Sociology	VI	16	8	100
Lv Aelly Lamkang	Sociology	VI	16	8	100
Imjungrenla Longchar	Sociology	VI	16	7	87.5
Wansame lakiang	Sociology	VI	16	8	100
Darrius Gilbert Syiemlieh	Sociology	VI	16	8	100
Mavariene R. Kharlyngdoh	Bsw	VI	16	2	25
Naome Lalremkimi	Sociology	VI	16	6	75
Lhingnunthieng Haokip	Sociology	VI	16	8	100
Neipineng Khongsai	Sociology	VI	16	8	100
Anindita Dev	Political Science	VI	16	7	87.5
Bhargov Kumar Sarmah	History	VI	16	7	87.5

TESTS AND RESULTS

Tests were given after every module using Google forms. These tests were designed in the form of multiple choice questions (MCQ) by each resource person. The objective of this evaluation method was to test the students on their understanding of the various topics discussed during the various modules.

6.1 Methodology of evaluation:

Each test had a variation of marks ranging from 10 to 25. In total, there were 6 (six) tests and the total marks were 100 (one hundred). Marks from the tests were then used to obtain a final percentage score. Percentage of marks was converted to a grade (Refer to 3.4- Grading Policy). Only students who had scored a minimum of 40% and above are eligible for certificates (refer to Appendix B for sample certificate).

6.2 Composition of tests:

Students were given a link to a Google form containing the test at the end of every module. They were designed by the resource person to cover the portions of their topic(s). Each test can be completed within the stipulated time of 30 (thirty) minutes.

6.3 Results:

The details of the marks scored and the final percentage attained is listed in the table below:

Name (In Full)	Scientific Research 25	Concepts 15	Hypotheses 15	Research Design and techniques 25	Research Outputs	Data Analysis 10	Total	
Chonchui shaiza	13	7	10	20	5	9	64	B
Sareo Zasoon	13	11	6	19	5	10	64	B
Hathoithiem Gangte	14	11	9	21		9	64	B
Afia Zaheen Bora	15	10	11	21	7	10	74	B+
Chelsea A. Wanniang	14	9	10	21	6	10	70	B+
Karyom Dirchi	18	13	12	20	5	7	75	B+
kristi kashyap	13	10	5	5	5	8	46	C
CVL VENTLUANGA	11	8	8	12	6	8	53	C+
John Basaiawmoit	17	11	12	21	7	8	76	B+
Clareen Dariti Mawrie	18	12	10	21	6	9	76	B+
Wanrikyntihun wahlang	18	12	11	21	6	8	76	B+
Simi Debbarma	16	12	10	22	7	9	76	B+
Mebashatjingshainongsiej	18	11	13	21	7	7	77	B+
Betdondor Marwein	18	10	10	21	6	7	72	B+
Aibanshngain kharshong	18	12	13	19	7	7	76	B+
Chingrimung Horam	18	11	13	19	7	7	75	B+
Amrita Talukdar	12	9	11	19	6	10	67	B
Muskan Ahmed	15	11	8	21	5	8	68	B
Dikshita Phukan	16	11	10	22	7	10	76	B+
Wansaka Mutyen	18	12	10	21	6	9	76	B+
Indrani Baishya	16	12	10	22	6	7	73	B+
Daisy kakati	15	12	10	22	7	10	76	B+

Saphiiarisa Majaw	18	13	12	20	5	6	74	
Ayushmi Kashyap	15	10	10	19	7	19	80	A
Ilapynshai Marwein	19	11	12	17	6	9	74	B+
Ginlenlal Chongthu	12	10	7	19	6	19	73	B+
V.L Malsawmdawngkimi	16	11	15	19	5	19	85	A
Ropfevieo Pfuno	17	6	13	19	7	10	72	B+
Zachary P Syiem	13	9	10	21	5	9	67	B
P. Khen lun lal	12	11	7	15	3	4	52	C+
Lalrinzuala Pachuau	12	8	2	20	2	9	53	C+
Lalsiamthara Sathing	13	4	12	19	7	5	60	B
Lv Aelly Lamkang	17	13	13	20	5	10	78	B+
Imjungrenla Longchar	12	8	8	20	5	10	63	B
Wansame Iakiang	11	9	10	21	6	9	66	B
Darrius Gilbert Syiemlieh	13	9	10	21	6	9	68	B
Mavariene R. Kharlyngdoh							0	
Naome Lalremkimi	17	11	12	22	7	10	79	B+
Lhingnunthieng Haokip	15	9	9	17	7	10	67	B
Neipineng Khongsai	13	3	9	15	5	7	52	C+
Anindita Dev	13	10	2	2	7	7	41	C
Bhargov Kumar Sarmah	14	11	11	2	2	2	42	C

APPENDIX- B



ST. EDMUND'S COLLEGE, SHILLONG
CERTIFICATE OF MERIT
AWARDED TO



OF HISTORY DEPARTMENT, SIXTH SEMESTER
FOR COMPLETING THE EIGHT DAY VALUE ADDED COURSE (VAC) ON
"BASIC CONCEPTS OF SOCIAL RESEARCH"

WITH "GRADE C"

THIS COURSE WAS ORGANISED BY THE SOCIOLOGY DEPARTMENT,
IN COLLABORATION WITH THE
INTERNAL QUALITY ASSURANCE CELL (IQAC),
ST. EDMUND'S COLLEGE, SHILLONG

FROM 15 TO 23 MARCH 2023

CERTIFICATE ID: SECSOCVAC120230041

GRADE	A+	A	B+	B	C+	C
MARKS	90-100%	80-90%	70-80%	60-70%	50-60%	40-50%

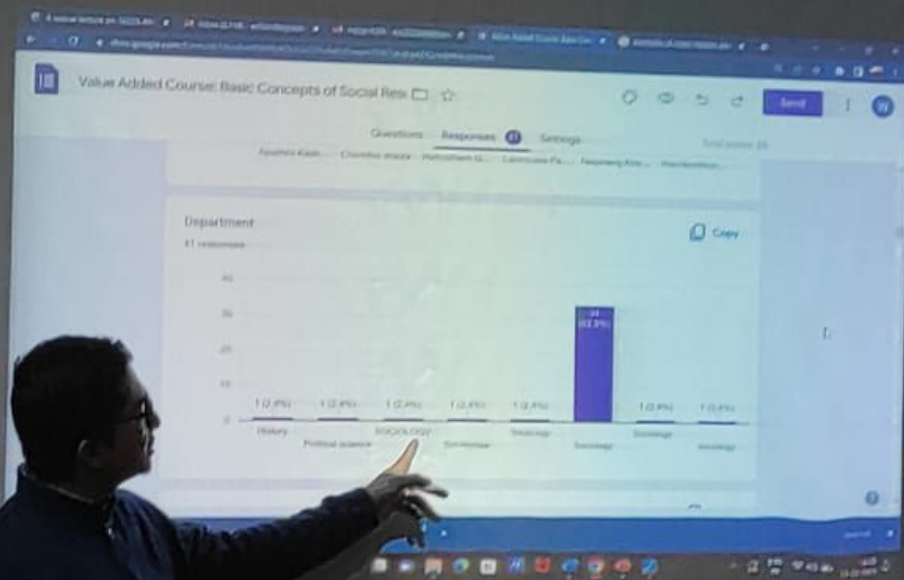
WILLIAM B. F. LYNRAH
Coordinator VAC

F. E. J. SYNGAI
HoD, Sociology

Prof. S. DEB
IQAC, Coordinator

Dr. P. MALHAN
Vice Principal
(Academics)

Dr. S. LAMARE
Principal
St. Edmund's College



GPS Map Camera



Shillong, Meghalaya, India

St. Edmund's College, HV8W+RMR, Laitumkhrach,

Shillong, Meghalaya 793003, India

Lat 25.567221°

Long 91.896964°

23/03/23 02:25 PM GMT +05:30

RESEARCH OUTPUTS

22 March 2023



Presented by
Dr. Oliver N. Gonsalves
Incubation Centre
St. Edmund's College, Shillong



GPS Map Camera

Shillong, Meghalaya, India

HV8W+RMR, Laitumkhrach, Shillong, Meghalaya

793003, India

Lat 25.567286°

Long 91.896572°

22/03/23 02:01 PM GMT +05:30



Google



GPS Map Camera

Shillong, Meghalaya, India

HV8W+RMR, Laitumkhrah, Shillong, Meghalaya

793003, India

Lat 25.567286°

Long 91.896572°

20/03/23 03:54 PM GMT +05:30



Google



GPS Map Camera

Shillong, ML, India

Laitumkhrah, Shillong, 793003, ML, India

Lat 25.567412, Long 91.896731

03/18/2023 03:16 PM GMT+05:30

Note : Captured by GPS Map Camera



GPS Map Camera

Shillong, Meghalaya, India

HV8W+RMR, Laitumkhrach, Shillong, Meghalaya

793003, India

Lat 25.567503°

Long 91.896629°

15/03/23 02:09 PM GMT +05:30





GPS Map Camera

Shillong, Meghalaya, India

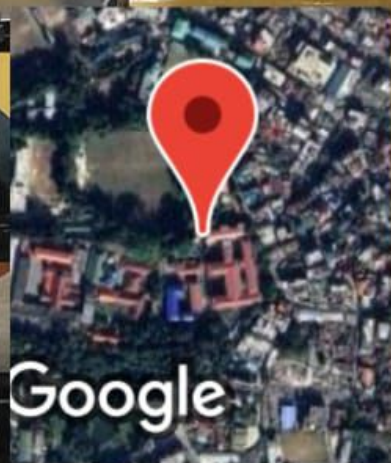
HV8W+RMR, Laitumkhrah, Shillong, Meghalaya

793003, India

Lat 25.567586°

Long 91.896662°

15/03/23 02:14 PM GMT +05:30





Report: Value Added Course on "Basic Statistical Techniques for Data Analysis and Introduction to Data Mining"

The Department of Computer Science conducted a VAC on "**Basic Statistical Techniques for Data Analysis and Introduction to Data Mining**" from 13th March till 4th April, 2023, in offline mode.

Registration for the VAC was open to all students of 4th and 6th Semester. There were a total of 36 students who registered, out of which 20 were regular for classes. The class comprised of students from various departments, namely, Geography, Physics, Economics, BCA, BSW, Biotechnology and Computer Science.

This is the second year the VAC was conducted, and its content was revised and expanded from the one held last year. The primary goal of the VAC was to introduce students from various disciplines to statistics and its importance to data analysis. Another goal was to inculcate the concepts in a time frame that was not hurried and gave ample time for the participants to look at each topic more minutely. A couple of prerequisites for the course, namely, arithmetic and elementary algebra, were desirable from the participants so that they are able to better appreciate the topics covered. Students were also given appropriate and self-contained handouts to augment the classes.

Each session was at least 60 minutes in duration with a combined time of 15 hours of lectures and problem solving sessions. In addition to this, a comprehensive assignment, requiring not less than 4 hours to complete was given to tie together everything that was taught in the course. At the course end, participants sat for a cumulative test that comprised of objective and problem solving questions.

A total of 15 students completed the course, submitted the assignment and appeared for the test. They were given graded certificates for the work they've put in, with 6 students earning the highest grade of A+.

The instructor for the course, Bertrand Dkhar, is appreciative of the participants' eager and enthusiastic response during the VAC.

It may be mentioned that there was no fee taken from the students.

Topics covered during the course:

1. Concept of Data, Information and Noise
2. The need for Data Science and its application to various fields
3. Classification of data and measurement scales
4. Measures of central tendency, variation and dispersion
5. Correlation Analysis
6. Linear Regression
7. Sampling
8. Introduction to Data Mining

Learning Outcomes:

1. Participants are able to distinguish between data, information and noise.
2. Participants are able to appreciate the usefulness of Data Science in many disciplines.
3. Participants are able to classify data thereby enabling them to formulate appropriate questionnaires for research purposes.

4. Participants are able to collect primary data and process the data using statistical techniques.
5. Participants are able to derive relationships that may exist in the data sets as well as make predictions using correlation analysis and linear regression techniques.
6. Participants are able to choose amongst various sampling techniques for unbiased observations of very large data sets.
7. Participants are able to appreciate the need for Data Mining in this data driven world.

Applicability of the topics learnt in the course:

“The knowledge of statistical methods serve as one of the most important tool in modern science, let it be from the most fundamental aspects of the electron to the study of large macroscopic populations. Though being an introductory course on the matter, this value added course checked all the right boxes and the basis formed as a result is truly appreciable.

In quantum mechanics we make use of a mathematical function called the Gaussian function to describe a particle's position and momentum via the uncertainty principle, there we make use of statistical analysis such as standard deviation about a maximum point, these topics which were explained to me in the VAC. The teachings have helped me understand my subject with heightened clarity and insight. Furthermore, I will surely be looking forward for other advanced courses on statistical methods by the computer science department.”

- Calwyn Suchiang, 4th Semester, Department of Physics, St. Edmund's College.

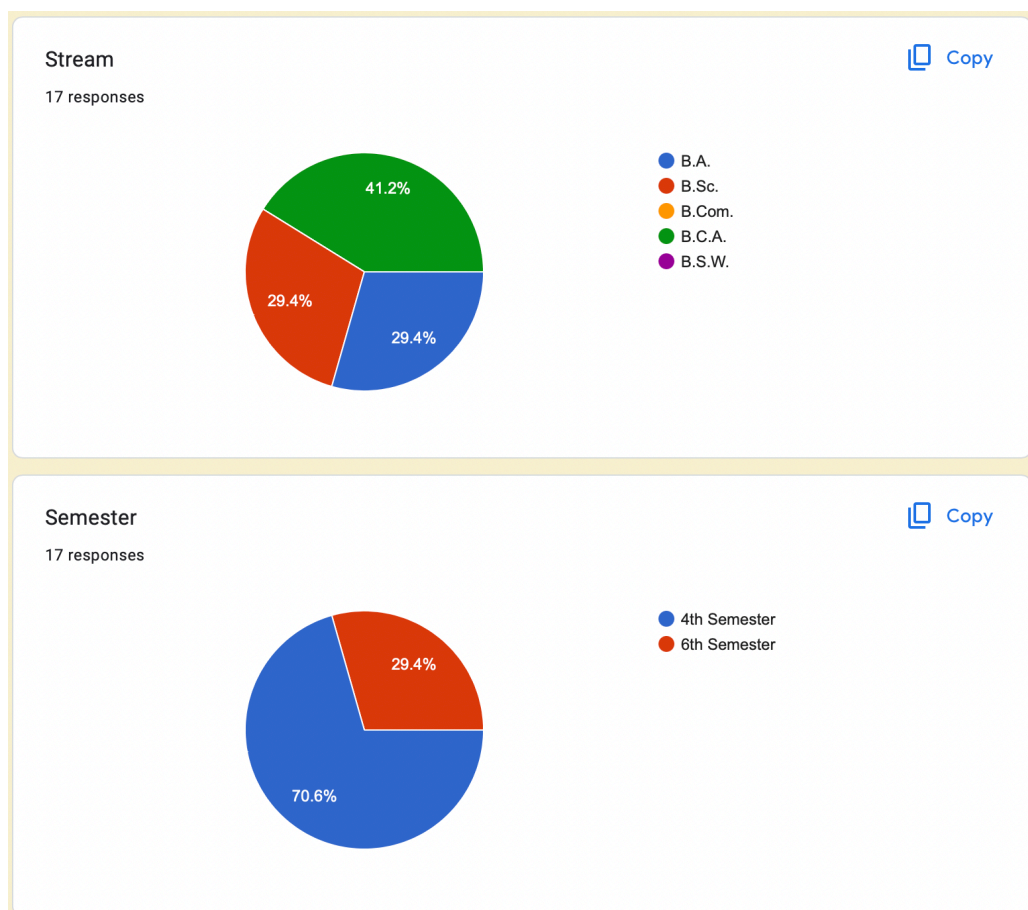
Dr. S. Lamare, Principal, interacting with the participants on the final day of the VAC





L2R: Bertrand Dkhar, Kahor Kasomwoshi, Fedalick Syngkon, Sheetal Chettri, Marina Singson, Pradakshina Borbora, Tanvi Farzeen, Angshita Kashyap, Kerrimeka Mawroh, Melody Narzary, Lapyndapbiang Kharumnuid, Dr. S. Lamare, Animegh Boro, Partha Pratim Barman, Sumana Sarkar, Calwyn Suchiang.

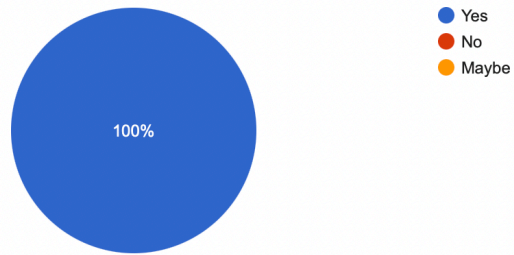
FEEDBACK



Did the VAC meet your expectations?

 Copy

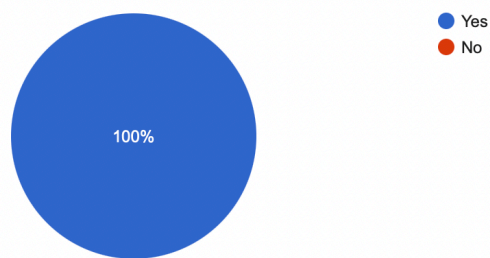
17 responses



Will the topics that were taught be useful and applicable in your (honours) subject?

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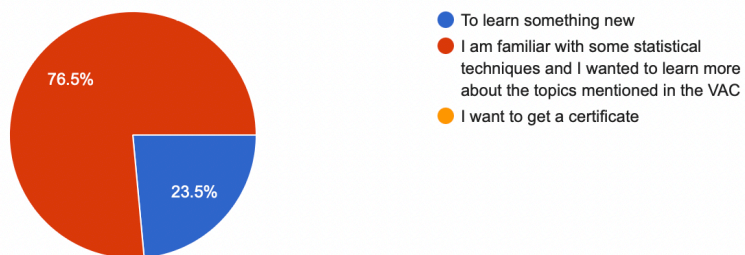
17 responses



What made you want to attend the VAC on "Basic Statistical Techniques for Data Analysis and Introduction to Data Mining" ?

 Copy

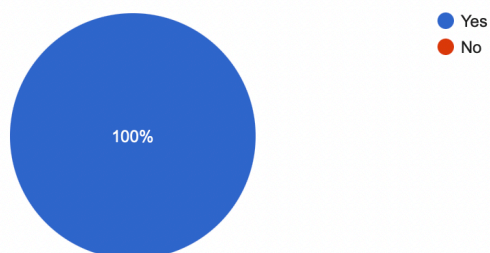
17 responses



Did you learn something new during the VAC?

 Copy

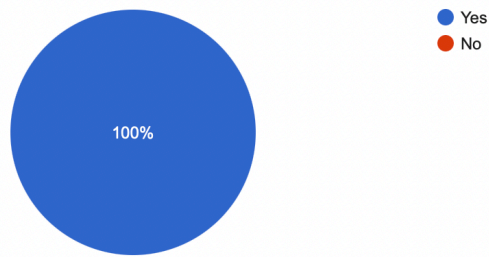
17 responses



Are you now able to look at data differently (i.e., categorise and analyse)?

 Copy

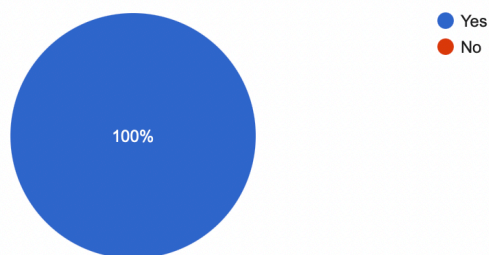
17 responses



Were the topics taught with examples that you were able to understand?

 Copy

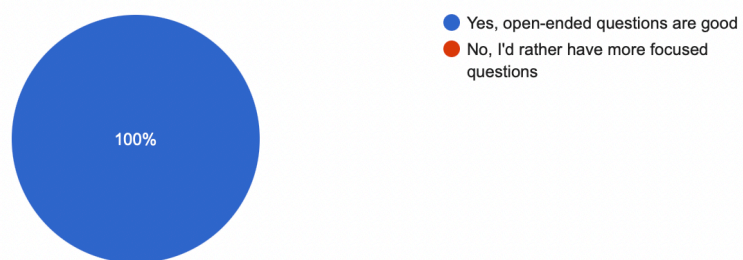
17 responses



Do you like the open ended nature of the questions discussed in class and assignment?

 Copy

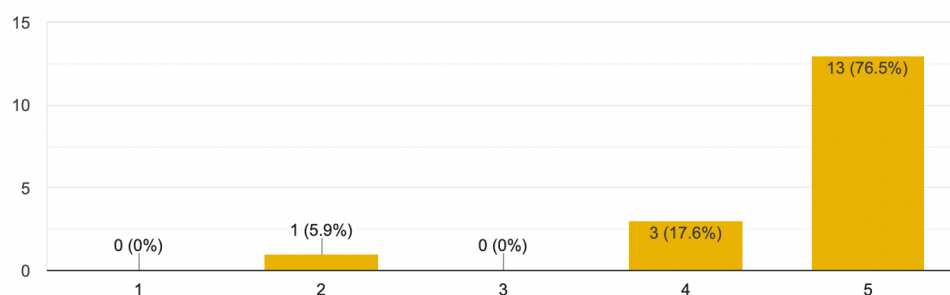
17 responses



Was the reading material provided by the instructor easy to understand?

 Copy

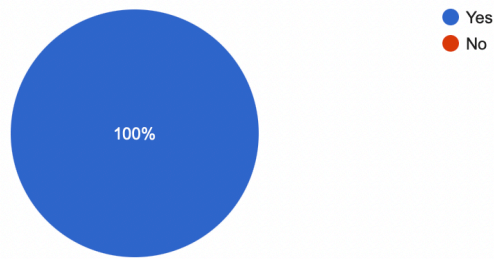
17 responses



Was the instructor able to effectively communicate the subject material?

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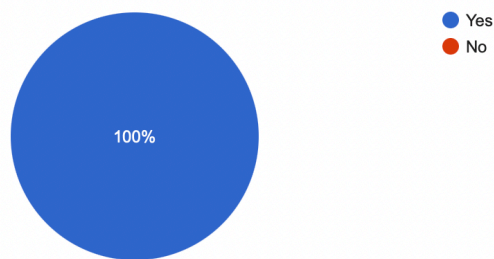
17 responses



Did the instructor answer questions from you (or your classmates) comprehensively?

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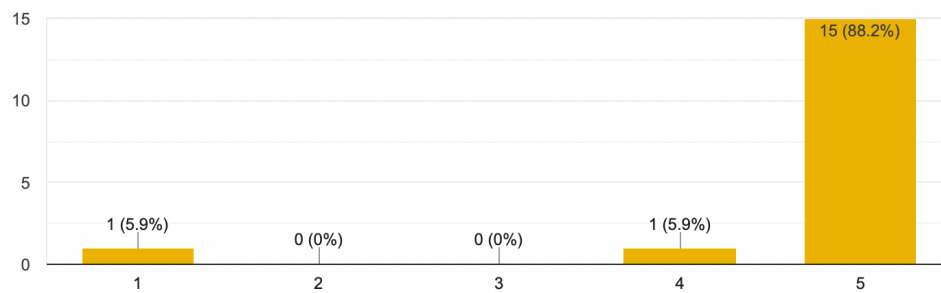
17 responses



What is your overall rating for the instructor?

 Copy

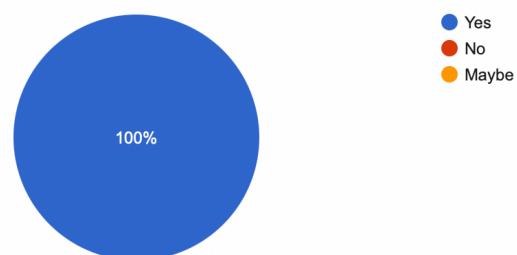
17 responses



After attending the VAC, do you feel Statistics and Data Science is an important subject to learn/understand?

 Copy

17 responses



Kindly share a few words about your experience (and suggestions) in this VAC.

17 responses

Before attending the VAC I had heard of data mining since it's there in our last semester but never knew what it was. However before starting the VAC I researched a bit and realised it's much like statistics. I had statistics in class 11-12 and many of the topics like standard deviation and variance but for some reason or the other things went over my head back then. But now, everything was so crystal clear that I feel i can solve any kind of statistical problem now. I don't know whether it was because of my improved attention or the way things were explained but whatever it is, I am GLAD I was a part of the VAC conducted by the Computer Science department and Sir Bertrand Dkhar in particular. Forever grateful <3

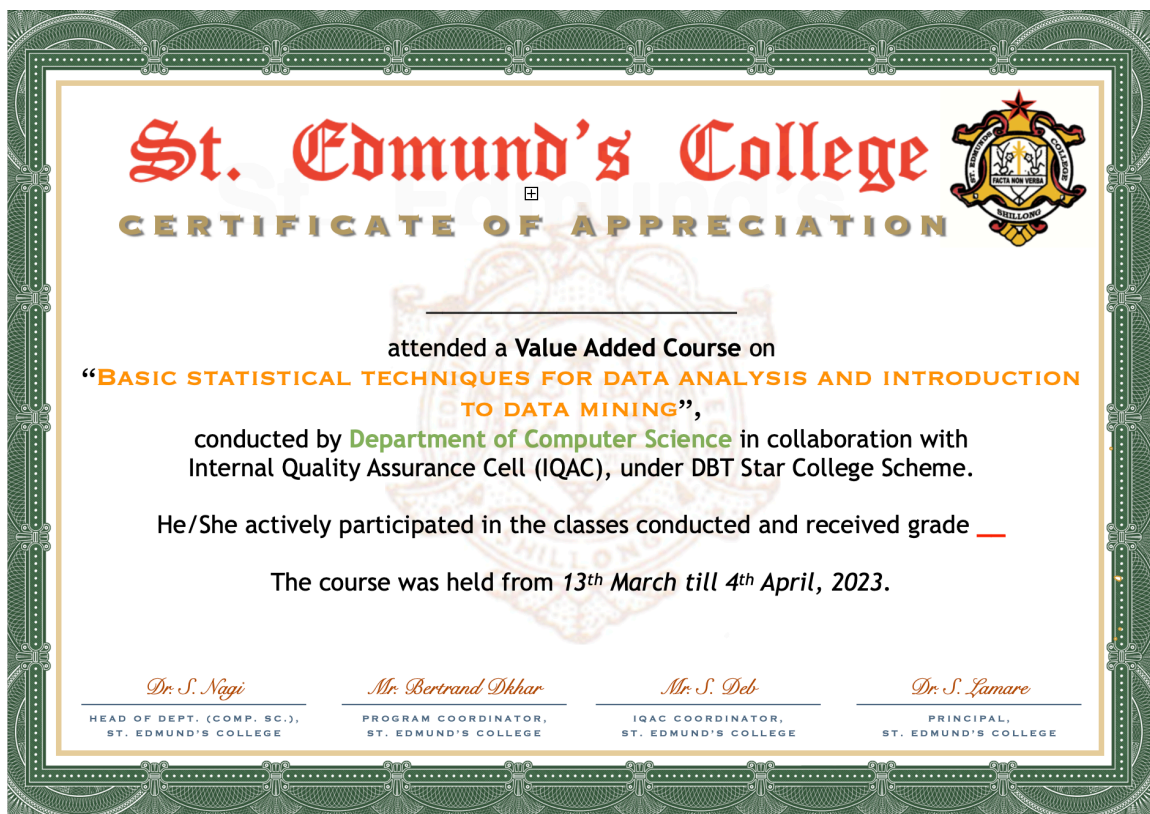
It has been a great experience as well as an honour to be able to learn from such an amazing teacher. Looking forward to more such courses like this.

The active interaction between the instructor and the students in class has actually helped me gain a lot of confidence as I participate along with them; provided the instructor has done a great job in teaching us.

I was really happy to attend the class. It was interesting and easy to understand. I would love attend more such courses.

The teacher made the topics seem so easy to understand.

SAMPLE CERTIFICATE



Contributors to the report:

1. Calwyn Suchiang, 4th Semester, Department of Physics.
2. Dr. Amplify Sawkmie, Department of Mathematics.
3. Bertrand Dkhar, Department of Computer Science.



DEPARTMENT OF COMPUTER SCIENCE

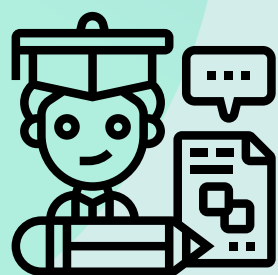
VALUE ADDED COURSE

BASIC STATISTICAL TECHNIQUES FOR DATA ANALYSIS AND INTRODUCTION TO DATA MINING



• KEY TOPICS

- Data Science and its applications
 - Measures of central tendency
 - Measures of dispersion
 - Correlation Analysis
 - Regression
 - Data Mining and its applications
-
- **Participants:** 4th and 6th Semester students, on first come first served basis.
 - **Prerequisites:** Elementary arithmetic and algebra
 - **Evaluation:** Assignments and class tests
 - **Graded e-certificates** will be awarded on successful completion of the course
 - **Useful for:** Participants studying Research Methodology
 - **Fee:** Nil



<https://forms.gle/uBBisda6ieZs6BLb6>



13th - 31st March, 2023 (excluding Saturdays, Sundays and holidays)



2:30 pm - 3:30 pm



Computer Science Laboratory,
St. Edmund's College, Shillong.



Bertrand Dkhar,
Dept. of Comp. Sc.
8794432267



compscsec2020@gmail.com

Report on
"Spoken Tutorial - QGIS (for Geography)"

by the National Mission on Education
through Information and Communication Technology (ICT),
launched by Ministry of Education,
erstwhile Ministry of Human Resources and Development,
Government of India.

Title of the Course: “Spoken Tutorial – QGIS (for Geography)”

Total Contact Hours: 3.5 hours

Mode of Registration: Online

Date for Commencement of the Course: May 2, 2023

Closing of the course: June 2, 2023

Total No of Students Registered: 12 students

Course Coordinator: Ms. Sarmistha Deb.

Course Co-Coordinator: Ms. Rajni Khyriem.

Details of Students Enrolled for the Course.

SL. NO.	FIRST NAME	LAST NAME	EMAIL ID	DEPARTMENT	SEMESTER
1	M. KISHAN	SINGHA	kishansingha2002@gmail.com	BIOTECHNOLOGY	FOURTH
2	RITIKA	WAHLANG	ritikawahlang007@gmail.com	BIOTECHNOLOGY	FOURTH
3	PRADAKSHINA	BORBORA	pradakshinaborbora92870@gmail.com	BIOTECHNOLOGY	FOURTH
4	MELAM	DIENGDOH	melamdiengdoh4@gmail.com	BIOTECHNOLOGY	FOURTH
5	GINTHIANMUANG	TUNGLUT	muangboi902@gmail.com	BIOTECHNOLOGY	FOURTH
6	MIGUEL	MYRTHONG	miguelymyrthong@gmail.com	BIOTECHNOLOGY	FOURTH
7	PHANTIMA	RIMAI	maximarimai@gmail.com	BIOTECHNOLOGY	FOURTH
8	ANGSHITA	KASHYAP	angshitakashyap335@gmail.com	BIOTECHNOLOGY	FOURTH
9	KHIWAR	KHUMLO	khiwarkhumlo2003@gmail.com	BIOTECHNOLOGY	FOURTH
10	L. KENNEDY	VAIPHEI	lkennedyvaiphei@gmail.com	BIOTECHNOLOGY	FOURTH
11	PYNTNGENLANG	WAHLANG	pyntngenlangwahlang97@gmail.com	BIOTECHNOLOGY	FOURTH
12	RANJAN	KUMAR	rk6941137@gmail.com	BIOTECHNOLOGY	FOURTH

Details of the ONLINE TEST

SL. NO.	FIRST NAME	LAST NAME	PERCENTAGE
1	M. KISHAN	SINGHA	77.5%
2	RITIKA	WAHLANG	80.0%
3	PRADAKSHINA	BORBORA	55.0%
4	MELAM	DIENGDOH	17.5%
5	GINTHIANMUANG	TUNGLUT	75.0%
6	MIGUEL	MYRTHONG	72.5%
7	PHANTIMA	RIMAI	40.0%
8	ANGSHITA	KASHYAP	52.5%
9	KHIWAR	KHUMLO	70.0%
10	L. KENNEDY	VAIPHEI	82.5%
11	PYNTNGENLANG	WAHLANG	60.0%
12	RANJAN	KUMAR	30.0%

Report on
"Spoken Tutorial - CellDesigner (for Bio-Chemistry)"

by the National Mission on Education
through Information and Communication Technology (ICT),
launched by Ministry of Education,
erstwhile Ministry of Human Resources and Development,
Government of India.

Title of the Course: “Spoken Tutorial - Cell Designer(for Bio-Chemistry)”

Total Contact Hours: 1 hour 30 minutes

Mode of Registration: Online

Date for Commencement of the Course: Nov. 9, 2022

Closing of the course: Nov 30, 2022.

Total No of Students Registered: 6 students

Course Coordinator: Ms. Sarmistha Deb.

Course Co-Coordinator: Ms. Rajni Khyriem.

Details of Students Enrolled for the Course.

SL. NO.	FIRST NAME	LAST NAME	EMAIL ID	DEPARTMENT	SEMESTER
1	CHINGKHIUIJK	NGAOMEI	khiujikngaomei123@gmail.com	BIOCHEMISTRY	THIRD
2	PRIYANSHU	KASHYAP	jackiekashyap2004@gmail.com	BIOCHEMISTRY	THIRD
3	HOLYFIELD	TARIANG	holyfieldtariang@gmail.com	BIOCHEMISTRY	THIRD
4	PINKY	PANDEY	piku986286@gmail.com	BIOCHEMISTRY	THIRD
5	KEWEWULU	LOHE	awululohe@gmail.com	BIOCHEMISTRY	THIRD
6	HADASSAH	LAPANG	hadassahlapang@gmail.com	BIOCHEMISTRY	THIRD

Details of the ONLINE TEST

SL. NO.	FIRST NAME	LAST NAME	PERCENTAGE
1	CHINGKHIUIJK	NGAOMEI	30.0 %
2	PRIYANSHU	KASHYAP	<u>95.0%</u>
3	HOLYFIELD	TARIANG	<u>90.0%</u>
4	PINKY	PANDEY	<u>80.0%</u>
5	KEWEWULU	LOHE	<u>95.0%</u>
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Title of the Course: “Spoken Tutorial – QGIS (for Geography)”

Total Contact Hours: 3.5 hours

Mode of Registration: Online

Date for Commencement of the Course: May 2, 2023

Closing of the course: June 2, 2023

Total No of Students Registered: 12 students

Course Coordinator: Ms. Sarmistha Deb.

Course Co-Coordinator: Ms. Rajni Khyriem.

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4	MELAM	DIENGDOH	melamdiengdoh4@gmail.com	BIOTECHNOLOGY	FOURTH
5	GINTHIANMUANG	TUNGLUT	muangboi902@gmail.com	BIOTECHNOLOGY	FOURTH
6	MIGUEL	MYRTHONG	miguelymyrthong@gmail.com	BIOTECHNOLOGY	FOURTH
7	PHANTIMA	RIMAI	maximarimai@gmail.com	BIOTECHNOLOGY	FOURTH
8	ANGSHITA	KASHYAP	angshitakashyap335@gmail.com	BIOTECHNOLOGY	FOURTH
9	KHIWAR	KHUMLO	khiwarkhumlo2003@gmail.com	BIOTECHNOLOGY	FOURTH
10	L. KENNEDY	VAIPHEI	lkennedyvaiphei@gmail.com	BIOTECHNOLOGY	FOURTH
11	PYNTNGENLANG	WAHLANG	pyntngenlangwahlang97@gmail.com	BIOTECHNOLOGY	FOURTH
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Title of the Course: “Spoken Tutorial - Cell Designer(for Bio-Chemistry)”

Total Contact Hours: 1 hour 30 minutes

Mode of Registration: Online

Date for Commencement of the Course: Nov. 9, 2022

Closing of the course: Nov 30, 2022.

Total No of Students Registered: 6 students

Course Coordinator: Ms. Sarmistha Deb.

Course Co-Coordinator: Ms. Rajni Khyriem.

Details of Students Enrolled for the Course.

SL. NO.	FIRST NAME	LAST NAME	EMAIL ID	DEPARTMENT	SEMESTER
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2	PRIYANSHU	KASHYAP	jackiekashyap2004@gmail.com	BIOCHEMISTRY	THIRD
3	HOLYFIELD	TARIANG	holyfieldtariang@gmail.com	BIOCHEMISTRY	THIRD
4	PINKY	PANDEY	piku986286@gmail.com	BIOCHEMISTRY	THIRD
5	KEWEWULU	LOHE	awululohe@gmail.com	BIOCHEMISTRY	THIRD
6	HADASSAH	LAPANG	hadassahlapang@gmail.com	BIOCHEMISTRY	THIRD

Details of the ONLINE TEST

SL. NO.	FIRST NAME	LAST NAME	PERCENTAGE
1	CHINGKHIUIJK	NGAOMEI	30.0 %
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4	PINKY	PANDEY	<u>80.0%</u>
5	KEWEWULU	LOHE	<u>95.0%</u>
6	HADASSAH	LAPANG	<u>70.0%</u>

**Department of Chemistry
St. Edmund's College, Shillong**

Report on

**VALUE ADDED COURSE
Chemistry Based Applications**



Organized by
Department of Chemistry
St. Edmund's College, Shillong



Department of Chemistry St. Edmund's College

(Affiliated to North Eastern Hill University, Shillong)
Recognized by the University Grant Commission under 2 (f) and 12 (B) of UGC act 1956)
Laitumkhrach, Shillong – 793003, Meghalaya, India

E-mail: chemsec18@gmail.com

Website: <http://sec.edu.in>

Acknowledgements

It gives me a deep sense of gratitude to appreciate the people who have helped the department to conduct such a wonderful certificate course. My heartfelt appreciation and the source of inspiration to

- ⇒ Br. (Dr) Simon Coelho, Secretary (GB), St. Edmund's College, Shillong
- ⇒ Dr. Sylvanus Lamare, Principal, St. Edmund's College, Shillong
- ⇒ Prof. Monotosh Chakravarty, Vice Principal, St. Edmund's College, Shillong
- ⇒ Prof. Sumit Deb, Head, Department of Chemistry & IQAC Coordinator, St. Edmund's College, Shillong
- ⇒ Br. S Julius, Bursar, St. Edmund's College, Shillong
- ⇒ Dr. Prashanta Sarkhel, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Prof. Subhrajyoti Chowdhury, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Dr. Iadeishisha Kharbangar, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Dr. Khrawborlang Nongsiej, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Joanna Jessica Thabah, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Fiona Jenneth War, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Lakhamti Badwar, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Replica H Awomi, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Akumrenla Longkumer, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr L Suraj Singh, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Irungbam karan Kumar, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Thimusstar Khongrymmai & Mr Himboklang Kharkongor, Lab Attendant, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ All the students participants.

1. Title of the Course:

Value Added Course on Chemistry Based Applications

2. Course Code No:

SEC/CHEM/VAC/2021/1

3. Total Contact Hours:

15 hrs

4. Total Credits:

Non-Credit Course (Skill enhancement)

5. Date of Approval

26th November 2021

5. Opening of registration process:

6. Closing of Registration Process:

7. Mode of Registration:

Offline

8. Weblink for Registration:

9. Date for Commencement of the Course:

3rd December 2021

10. Closing of the course:

4th December 2022

11. Duration:

2 days

12. Total No of Students Enrolled:

76 UG Students

13. Registration Fees:

NIL

14. Total Registration Fees Collected:

NA

15. Course Coordinator:

Prof. Baristar Lyngkhai Assistant Professor, Department of Chemistry, St. Edmund's College, Shillong

16. Demonstrators:

Ms Joanna Jessica Thabah

Department of Chemistry, St. Edmund's College, Shillong

Ms Fiona Jenneth War

Department of Chemistry, St. Edmund's College, Shillong

Ms Lakhamti Badwar

Department of Chemistry, St. Edmund's College, Shillong

Ms Replica H Awomi

Department of Chemistry, St. Edmund's College, Shillong

Ms Akumrenla Longkumer

Department of Chemistry, St. Edmund's College, Shillong

Mr L Suraj Singh

Department of Chemistry, St. Edmund's College, Shillong

Mr Irungbam karan Kumar

Department of Chemistry, St. Edmund's College, Shillong

Course description

The principles of Chemistry have been used for the benefit of mankind. Think of cleanliness – the materials like soaps, detergents, household bleaches, toothpaste, hand sanitizers, etc. have been used in our daily life. A glance of our clothing– immediately chemicals of the synthetic fibres used for making clothes and chemicals giving colors to them will come to our mind.

Course structure

The VAC syllabus proposed is of 15 contact hours with 3 modules units (Module 1, Module 2 & Module 3). Each of these contact hours has course on chemistry based applications. Furthermore, the modules was followed by lab demonstration of the experiments and finally at the end, appropriate feedback was collected.

Module	Name of thePaper	Contact Hours		TOTAL
		Theory	Experiments/ Lab	
1	Candle Making	2	2	4
2	Preparation of Soaps	2	2	4
3	Preparation of Hand Sanitizers	2	2	4
4	Interaction/feedback session	3		3
Total				15

Mode of Conduct of the Course

The course was conducted completely offline in the Chemistry AV Room and Chemistry Laboratory. The mode of presentation was done using ICT tools enabled in the AV room. Student's feedback was collected after the course and accordingly, effective tools were implemented for making the teaching learning process in effective manner.

List of Students Attended for the Course

SL No.	CLASS R/N	NAMES	SEMESTER
1	19/CHEM/201	SUMIT RANJAN TALUKDAR	V
2	19/CHEM/210	WANKERLANG DKHAR	V
3	19/CHEM/212	LIZA MARY J WANKHAR	V
4	19/CHEM/214	RISHANMI I LAMARE	V
5	19/CHEM/230	KHELAN TERANG	V
6	19/CHEM/233	JAMKYRPANG SYIEMLIEH	V
7	19/CHEM/235	L SURAJ SINGH	V
8	19/CHEM/239	KYRSHANSKHEM RYNJAH	V
9	19/CHEM/241	RAVI PRASAD RAY	V
10	19/CHEM/249	AKUMRENLA LONGKUMER	V
11	19/CHEM/505	JOANNA JESSICA THABAH	V
12	19/CHEM/514	RITTIKA DAS CHOUDHURY	V
13	19/CHEM/202	FELIX RETURNMI LAMARE	V
14	19/CHEM/204	JESSE VINCENT SAWIAN	V
15	19/CHEM/206	MICHAEL MAWRIE	V
16	19/CHEM/207	ABHISHEK MODAK	V
17	19/CHEM/208	DISAKA SUNGOH	V
18	19/CHEM/216	DAWANSHISHA KHARRYNGKI	V
19	19/CHEM/218	JARVIS B MARAK	V
20	19/CHEM/219	TEDEUM L DAMUS BIAM	V
21	19/CHEM/221	KAMJUH DHAR	V
22	19/CHEM/224	BAHUNLANG TALANG	V
23	19/CHEM/225	FIONA JENETH WAR	V
24	19/CHEM/229	REPLICA H AWOMI	V
25	19/CHEM/231	LAKHAMTI BADWAR	V
26	19/CHEM/237	SYRPAILIN SUCHIANG	V
27	19/CHEM/242	LAISHRAM GANASHYAM SINGH	V
28	19/CHEM/245	DENGKUPAR KHARKONGOR	V
29	19/CHEM/247	JORA DEBBARMA	V
30	19/CHEM/248	IRUNGBAM KARAN KUMAR	V
31	19/CHEM/502	RISHAB BISWAS	V
32	19/CHEM/511	DEEKSHIA BHATTACHAN	V
33	19/CHEM/512	DAFFINIA BADWAR	V
34	20/CHEM/201	MEBANSHAN SYNGKON	III
35	20/CHEM/205	LAPYNTNGEN KHARNAIOR	III
36	20/CHEM/206	GRANDSTARWELL NONGBRI	III
37	20/CHEM/210	R BAMELARI L NONGLAIT	III
38	20/CHEM/211	FESTARSON LYGDOH	III
39	20/CHEM/212	ELECTRA KASHYAP	III

40	20/CHEM/214	CHELSIA ROSSETTA MAWROH	III
41	20/CHEM/215	NINEBRIGHTNESS SIANGSHAI	III
42	20/CHEM/216	COSTARFIELD LYNGDOH	III
43	20/CHEM/218	ANURAG PAUL CHOUDHURY	III
44	20/CHEM/223	PAMPI SONOWAL	III
45	20/CHEM/225	PHIDARISUK WANNIANG	III
46	20/CHEM/226	RAVI SHANKAR YADAV	III
47	20/CHEM/227	IBANSAROI DKHAR	III
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50	20/CHEM/231	RANISHA BEGUM	III
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58	20/CHEM/235	DHIRAJ KUMAR RAY	III
59	20/CHEM/236	DIPANKAR DAS	III
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68	21/CHEM/212	KORDOR BAREH	I
69	21/CHEM/215	AMARDEEP NATH	I
70	21/CHEM/218	BALAAIJINGHUN LYNGDOH	I
71	21/CHEM/220	KERLANG HADIA	I
72	21/CHEM/221	TIRTHANKAR DAS	I
73	21/CHEM/223	H PRIYA DEVI	I
74	21/CHEM/224	H YAIPHABA SINGHA	I
75	21/CHEM/226	GIRISH ASHEM	I
76	21/CHEM/225	LOISY DARLONG	I

Feedback of Participants

Name: Rishab Biswas
Roll no: S1901436 (class-502)

Feedback: Learnt new things and gained experience. Much satisfied.

Name - Disaka Sungoh
class - 5th sem
Roll no - 208

It was interesting and I then i know how soap, handsanitizer and candles are made.

Name: Bahumlang Talang
Roll no: 224 (5th sem)

from this value added course so much information I got to learn from soap making, candle making and hand sanitizers and hope this will benefit me in the near future.

Name: Daffin Barwar
Roll no: S1901438

Feedback: it was very interesting and I ~~learned~~ learned a lot from the experience.

Rittika Das Choudhury
S1901411 5th semester

It was interesting and I got to learn many new things. we should often have these kind of programs.

Lakhamti Barwar.

S1901427

This program was a complete success because not only was it fun but we learned how to make candles, soap and hand sanitizer which will surely benefit us in our future.

Name- Pona Sekbarua
Roll no.- 247 (5th Sem)

Value Added course
→ I get to learn about the preparation of soap, candle and hand-sanitizer. Thank you.

Name:- LAISHRAM GANASHYAM

Roll no:- 242

5th Sem.

These programme give new ideas, values to me. I can make sanitizer at home after watching/attaining this course. Thank to our Department.

Name - Rishanmi Samare

Semester - 5th sem

Roll no - 19 (CHEM/214)
NEHU Roll No - S1901397

Outcome:-

It is a very great pleasure to see my classmate performed this value added course which gives us some thing that which we as chemistry is needing in our life.

Name: Anurag Paul Choudhary
Roll no: 20/CHEM/218
Roll no (NEHU): S2001388

Feedback: The value added course was very ~~of~~ beneficial as we got to learn new informative things as soap making, etc. We really enjoyed the value added course we could like to thank our seniors, and our chemistry department for giving us this opportunity.

Name: Tyoli-Kumari
Roll no: 21/CHEM/210
Class: BSC 1st semester

I have gain knowledge from this experiments that how to make candle; soaps, sanitizer on our own way in such a condition if we don't have we can make it.

GIRISH ASHEM
21/CHEM/226

The programme was wonderful. It has provided us the opportunity to learn a lot of new things. I have learnt to make sanitizers, soap and candle. I really enjoyed the programme.

THANK U 😊

ATTACHMENTS:

1. Brochure



Value Added Course
(For the students, by the students)

Title : Chemistry Based Applications

Organized by :
B.Sc. 5th Semester Students
Department of Chemistry
St. Edmund's College, Shillong

Date : 3rd – 4th December, 2021
Venue : New AV Room,
St. Edmund's College

Module - 1
Candle Making

Module - 2
Soap Preparation

Module - 3
Hand Sanitizer Preparation

Targeted Groups:
Chemistry Honours Students
From 3rd and 1st Semester.

2. Photo gallery:



**Department of Chemistry
St. Edmund's College, Shillong**

Report on

**VALUE ADDED COURSE
Chemistry Based Applications**



Organized by
Department of Chemistry
St. Edmund's College, Shillong



Department of Chemistry St. Edmund's College

(Affiliated to North Eastern Hill University, Shillong)
Recognized by the University Grant Commission under 2 (f) and 12 (B) of UGC act 1956)
Laitumkhrah, Shillong – 793003, Meghalaya, India

E-mail: chemsec18@gmail.com

Website: <http://sec.edu.in>

Acknowledgements

It gives me a deep sense of gratitude to appreciate the people who have helped the department to conduct such a wonderful certificate course. My heartfelt appreciation and the source of inspiration to

- ⇒ Br (Dr) Simon Coelho, Secretary (GB), St. Edmund's College, Shillong
- ⇒ Dr Sylvanus Lamare, Principal, St. Edmund's College, Shillong
- ⇒ Prof Monotosh Chakravarty, Vice Principal, St. Edmund's College, Shillong
- ⇒ Prof Sumit Deb, Head, Department of Chemistry & IQAC Coordinator, St. Edmund's College, Shillong
- ⇒ Bro S Julius, Bursar, St. Edmund's College, Shillong
- ⇒ Dr. Prashanta Sarkhel, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Prof. Subhrajyoti Chowdhury, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Dr. Iadeishisha Kharbangar, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Prof. Baristar Lyngkholi, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Liza Mary J Wankhar, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Rishanmi I Lamare, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Disaka Sungoh, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Dengkumar Kharkongor, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Kamjuh Dhar, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Laishram G Singh, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Jarvis B Marak, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Ritika Das Choudhury, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Deekshia Bhattachan, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Thimusstar Khongrymmi & Mr Himboklang Kharkongor, Lab Attendant, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ All the students participants.

1. Title of the Course:

Value Added Course on Chemistry Based Applications

2. Course Code No:

SEC/CHEM/VAC/2022/1

3. Total Contact Hours:

16 hrs

4. Total Credits:

Non-credit Course (Skill enhancement)

5. Date of Approval

12th May 2022

5. Opening of registration process:

6. Closing of Registration Process:

7. Mode of Registration:

Offline

8. Weblink for Registration:

9. Date for Commencement of the Course:

19th May 2022

10. Closing of the course:

21st May 2022

11. Duration:

3 days

12. Total No of Students Enrolled:

76 UG Students

13. Registration Fees:

NIL

14. Total Registration Fees Collected:

NA

15. Course Coordinator:

Dr Khrawborlang Nongsiej, Assistant Professor,
Department of Chemistry, St. Edmund's College, Shillong

16. Demonstrators:

Ms Liza Mary J Wankhar
Department of Chemistry, St. Edmund's College, Shillong

Mr Rishanmi I Lamare
Department of Chemistry, St. Edmund's College, Shillong

Ms Disaka Sungoh
Department of Chemistry, St. Edmund's College, Shillong

Mr Dengkupar Kharkongor
Department of Chemistry, St. Edmund's College, Shillong

Mr Kamjuh Dhar
Department of Chemistry, St. Edmund's College, Shillong

Mr Laishram G Singh
Department of Chemistry, St. Edmund's College, Shillong

Mr Jarvis B Marak
Department of Chemistry, St. Edmund's College, Shillong

Ms Ritika Das Choudhury
Department of Chemistry, St. Edmund's College, Shillong

Ms Deekshia Bhattachan
Department of Chemistry, St. Edmund's College, Shillong

Course description

The principles of Chemistry have been used for the benefit of mankind. In this course, the modules highlights several methods/steps of preparation and extraction of a number of important products like wine, chemical fertilizers, casein, vitamin C, etc.

Course structure

The VAC syllabus proposed is of 16 contact hours with 5 modules units (Module 1, Module2, Module 3, Module 4 and Module 5). Each of these contact hours has course on chemistry based applications. Furthermore, the modules was followed by lab demonstration depending upon the feasibility of the experiments and finally at the end, interaction/feedback session was conducted.

Module	Name of thePaper	Contact Hours		TOTAL
		Theory	Experiments/ Lab	
1	Preparation of Wine	3		3
2	Preparation of Chemical Fertilizers	1	2	3
3	Extraction of Casein from Milk	1	2	3
4	Estimation Vitamin C in Citrus fruits	1	2	3
5	Paper Fertilizers	3		3
6	Interaction/Feedback session	1		1
Total				16

Mode of Conduct of the Course

The course was conducted completely offline in the Chemistry AV Room and Chemistry Laboratory. The mode of presentation was done using ICT tools enabled in the AV room. Student's feedback was collected after the course and accordingly, effective tools were implemented for making the teaching learning process in effective manner.

List of Students Attended for the Course

SL No.	CLASS R/N	NAMES	SEMESTER
1	19/CHEM/201	SUMIT RANJAN TALUKDAR	V
2	19/CHEM/210	WANKERLANG DKHAR	V
3	19/CHEM/212	LIZA MARY J WANKHAR	V
4	19/CHEM/214	RISHANMI I LAMARE	V
5	19/CHEM/230	KHELAN TERANG	V
6	19/CHEM/233	JAMKYRPANG SYIEMLIEH	V
7	19/CHEM/235	L SURAJ SINGH	V
8	19/CHEM/239	KYRSHANSKHEM RYNJAH	V
9	19/CHEM/241	RAVI PRASAD RAY	V
10	19/CHEM/249	AKUMRENLA LONGKUMER	V
11	19/CHEM/505	JOANNA JESSICA THABAH	V
12	19/CHEM/514	RITTIKA DAS CHOUDHURY	V
13	19/CHEM/202	FELIX RETURNMI LAMARE	V
14	19/CHEM/204	JESSE VINCENT SAWIAN	V
15	19/CHEM/206	MICHAEL MAWRIE	V
16	19/CHEM/207	ABHISHEK MODAK	V
17	19/CHEM/208	DISAKA SUNGOH	V
18	19/CHEM/216	DAWANSHISHA KHARRYNGKI	V
19	19/CHEM/218	JARVIS B MARAK	V
20	19/CHEM/219	TEDEUM L DAMUS BIAM	V
21	19/CHEM/221	KAMJUH DHAR	V
22	19/CHEM/224	BAHUNLANG TALANG	V
23	19/CHEM/225	FIONA JENETH WAR	V
24	19/CHEM/229	REPLICA H AWOMI	V
25	19/CHEM/231	LAKHAMTI BADWAR	V
26	19/CHEM/237	SYRPAILIN SUCHIANG	V
27	19/CHEM/242	LAISHRAM GANASHYAM SINGH	V
28	19/CHEM/245	DENGKUPAR KHARKONGOR	V
29	19/CHEM/247	JORA DEBBARMA	V
30	19/CHEM/248	IRUNGBAM KARAN KUMAR	V
31	19/CHEM/502	RISHAB BISWAS	V
32	19/CHEM/511	DEEKSHIA BHATTACHAN	V
33	19/CHEM/512	DAFFINIA BADWAR	V
34	20/CHEM/201	MEBANSHAN SYNGKON	III
35	20/CHEM/205	LAPYNTNGEN KHARNAIOR	III
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46	20/CHEM/226	RAVI SHANKAR YADAV	III
47	20/CHEM/227	IBANSAROI DKHAR	III
48	20/CHEM/228	OBESTAR K.DEWSAW	III
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50	20/CHEM/231	RANISHA BEGUM	III
51	20/CHEM/232	MANASH PRATIM KAUSHIK	III
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57	20/CHEM/233	SHAHIL DAS	III
58	20/CHEM/235	DHIRAJ KUMAR RAY	III
59	20/CHEM/236	DIPANKAR DAS	III
60	21/CHEM/205	HIDAM BANDANA CHANU	I
61	21/CHEM/206	SATYAM SINHA	I
62	21/CHEM/214	ANGKUR PHUKAN	I
63	21/CHEM/219	BITAPEE CHOUDHURY	I
64	21/CHEM/222	ISHA PRADHAN	I
65	21/CHEM/203	BALASHEMBHA K MUSULMAN	I
66	21/CHEM/210	JYOTI KUMARI	I
67	21/CHEM/211	SANKIRU SYNNAH	I
68	21/CHEM/212	KORDOR BAREH	I
69	21/CHEM/215	AMARDEEP NATH	I
70	21/CHEM/218	BALAAIJINGHUN LYNGDOH	I
71	21/CHEM/220	KERLANG HADIA	I
72	21/CHEM/221	TIRTHANKAR DAS	I
73	21/CHEM/223	H PRIYA DEVI	I
74	21/CHEM/224	H YAIPHABA SINGHA	I
75	21/CHEM/226	GIRISH ASHEM	I
76	21/CHEM/225	LOISY DARLONG	I

Feedback of Participants

Name - Obekta K Denuaw

Roll no - 20/CHEM/228

NEHU Roll No - S2001393

Feedback - The value added course was a very helpful and also it gives us a lot of information.

• B. K. Choudhary
21/CHEM/219

It was a well executed presentation program.
Especially so because it was mainly undergraduate students who were doing it themselves.

Mebanshan Syngdon.

Roll no - 20/CHEM/201

Outcome

I am very glad to be a part of this value added course. The practical also is very interesting and helpful to me.

Name - Wankarlang Dkhar

Roll No - S1901395

From this programme held today, personally I have learned a lot with all the activities given by our classmate and it is a great experience.

Name - Laxpyndgen Khannaion

Roll no - 20/CHEM/205

• It was a successful and interesting topic that made us learn various and it was a great. Thank you.

Name - Castarfield Lyngdoh

Roll No - 20/CHEM/216

UNIV. Roll No - S2001386

Feedback - It has been a wonderful session as through this value added course we have learnt so many informative techniques how to make and start by ourself business. Through this learning skill, it had given a helpful course as we can learn new skills and techniques. Wish we may had

- Liza Mary J Wankhar
- 19/CHEM/212/S1901396

Feedback:

- The presentation was well organised and I have learned the most basic concepts about chemistry in my daily life.

Name - Eelena Kashyap

Roll No. - 20/CHEM/212

Feedback -

The presentations were really good and I enjoyed the practical session a lot. It was great to learn something new and so easy and helpful.

Name - Festarson Lyngdoh

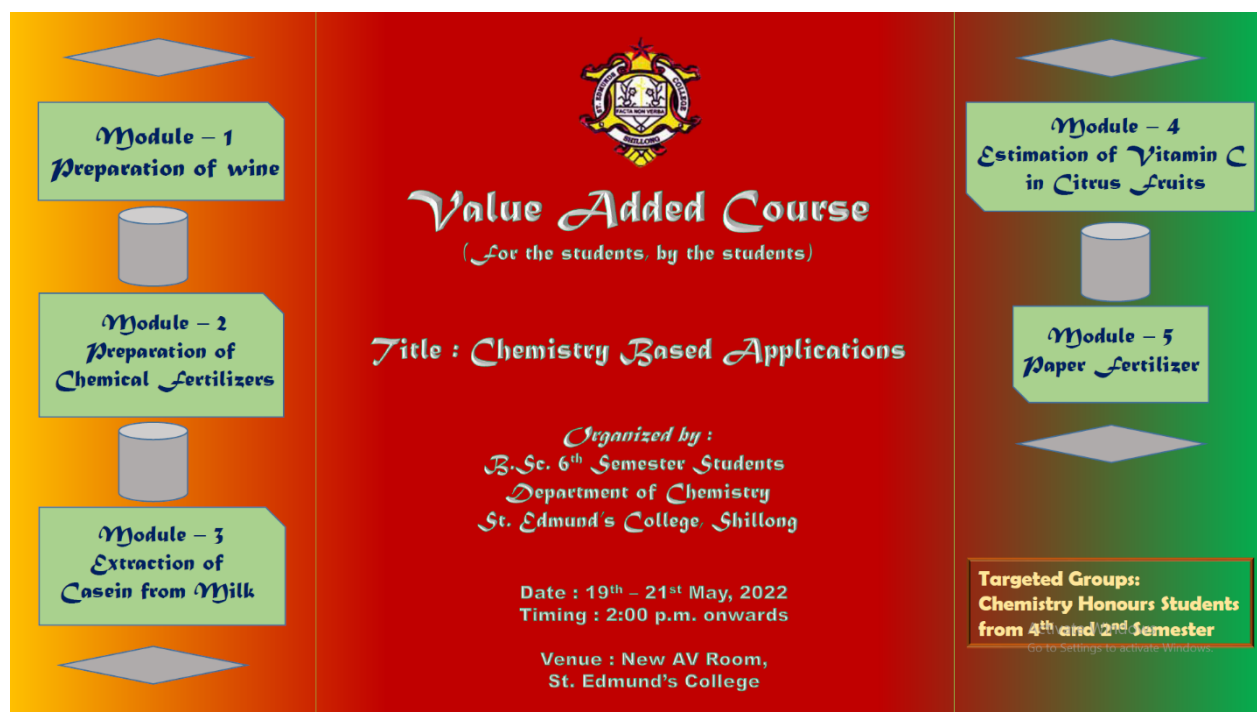
Roll No - 20/CHEM/211

NEHU Roll No - S2001382

FEEDBACK: The value added course was helpful and it makes us know to do more and learned new things. I also really enjoy the sessions ~~and the presentation also was~~ and some basic skills in this VAC.

ATTACHMENTS:

1. Brochure



2. Photo Gallery:



**Department of Chemistry
St. Edmund's College, Shillong**

Report on

**VALUE ADDED COURSE
Chemistry Based Applications**



Organized by
Department of Chemistry
St. Edmund's College, Shillong



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- ⇒ Br. S Julius, Bursar, St. Edmund's College, Shillong
- ⇒ Dr. Prashanta Sarkhel, Department of Chemistry, St. Edmund's College, Shillong
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- ⇒ Dr. Iadeishisha Kharbangar, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Dr. Khrawborlang Nongsiej, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Electra Kashyap, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Ranisha Begum, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Obestar K.Dewsaw, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Pampi Sonowal, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Mebanshan Syngkon, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Festarson L. Tongkhar, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Thimusstar Khongrymmmai & Mr Himboklang Kharkongor, Lab Attendant, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ All the students participants.

1. Title of the Course:

Value Added Course on Chemistry Based Applications

2. Course Code No:

SEC/CHEM/VAC/2023/1

3. Total Contact Hours:

18 hrs

4. Total Credits:

Non-Credit Course (Skill enhancement)

5. Date of Approval

8th May, 2023

5. Opening of registration process:

6. Closing of Registration Process:

7. Mode of Registration:

Offline

**8. Web link for
Registration:**

9. Date for Commencement of the Course:

15th May, 2023

10. Closing of the course:

19th May, 2023

11. Duration:

5 days

12. Total No of Students Enrolled:

45 UG Students

13. Registration Fees:

NIL

14. Total Registration Fees Collected:

NA

15. Course Coordinator:

Prof. Baristar Lyngkhai, Assistant Professor
Department of Chemistry, St. Edmund's College, Shillong

16. Demonstrators:

Ms Electra Kashyap
Department of Chemistry, St. Edmund's College, Shillong

Ms Ranisha Begum
Department of Chemistry, St. Edmund's College, Shillong

Mr Obestar K.Dewsaw
Department of Chemistry, St. Edmund's College, Shillong

Ms Pampi Sonowal
Department of Chemistry, St. Edmund's College, Shillong

Mr Mebanshan Syngkon
Department of Chemistry, St. Edmund's College, Shillong

Mr Festarson L. Tongkhar
Department of Chemistry, St. Edmund's College, Shillong

Course description

The principles of Chemistry have been used for the benefit of mankind. Think of cleanliness – the materials like soaps, detergents, household bleaches, toothpaste, hand sanitizers, etc. have been used in our daily life. A glance of our clothing– immediately chemicals of the synthetic fibres used for making clothes and chemicals giving colors to them will come to our mind.

Course structure

The VAC syllabus proposed is of 18 contact hours with 5 modules units (Module 1, Module2, Module 3, Module 4 & Module 5). Each of these contact hours has course on chemistry based applications. Furthermore, the modules was followed by lab demonstration of the experiments and finally at the end, appropriate feedback was collected.

Module	Name of thePaper	Contact Hours		TOTAL
		Theory	Experiments/ Lab	
1	Paint Making	1	2	3
2	Handwash Preparation	1	2	3
3	Food Adulteration	1	2	3
4	Detection of insecticides in various vegetables	1	2	3
5	Estimation Vitamin C in Citrus fruits	1	2	3
6	Interaction/Feedback session	3		3
Total				18

Mode of Conduct of the Course

The course was conducted completely offline in the Chemistry AV Room and Chemistry Laboratory. The mode of presentation was done using ICT tools enabled in the AV room. Student's feedback was collected after the course and accordingly, effective tools were implemented for making the teaching learning process in effective manner.

List of Students Attended for the Course

Value Added Course – Chemistry Based Applications

Organized by:

B.Sc. 6th Semester Students

Department of Chemistry

St. Edmund's College, Shillong

Student's Attendance (from 15th May – 19th May '2023)

Sl. No.	Name	Semester	Signature	Remarks
1.	Dhiraj Kumar Ray	6 th sem	<i>Dhiraj</i>	
2.	Anurag Paul Choudhary	6 th sem	<i>Anurag Paul Choudhary</i>	
3.	Dipankhor Das	6 th Sem	<i>DP</i>	
4.	Ravi Shankar Yadav	6 th Sem	<i>Ravi</i>	
5.	Shahil Das	6 th Sem	<i>S. Das</i>	
6.	Manash Pratim Koushik	6 th sem	<i>Manash K.</i>	
7.	Obestar K Dunsaw	6 th Semester	<i>O.K. Dunsaw</i>	
8.	Arund starwell Nonghri	6 th Semester	<i>A. Nonghri</i>	
9.	Phim Babalwe Chetey	6 th Semester	<i>Phim</i>	
10.	Firstarwell Khongmalai	6 th Semester	<i>Firstarwell</i>	
11.	Deimonmi Lyngdoh	6 th Sem.	<i>Deimonmi</i>	
12.	Ninebrightness Siangshai	6 th Sem.	<i>N. Siangshai</i>	
13.	Mebanshan Syngkon	6 th sem	<i>M. Syngkon</i>	
14.	Ibansani Dhar	6 th sem	<i>I. Dhar</i>	
15.	Jawanri Barah	6 th sem	<i>J. Barah</i>	
16.	Balashimbha K. Monulman	4 th sem	<i>B.K. Monulman</i>	
17.	Jyoti Kumari Ray	4 th sem	<i>Jyoti</i>	
18.	Lyvish Akem	4 th sem	<i>Lyvish A.</i>	
19.	H. Priya Devi	4 th Sem	<i>Priya</i>	
20.	Isha Madhan	4 th sem	<i>Isha</i>	

ue Added Course – Chemistry Based Applications

Organized by:

B.Sc. 6th Semester Students

Department of Chemistry

St. Edmund's College, Shillong

Student's Attendance

Sl. No.	Name	Semester	Signature	Remarks
21	R Bameluri L. Nonglail	6 th Sem	R Bameluri	
22	Festerson Lyngdoh	6 th Sem	F. Lyngdoh	
23.	Cosbifield Lyngdoh	6 th Sem	C. Lyngdoh	
24	Bikpu Choudhury	4 th Sem	B. Choudhury	
25	Fasica B Marak	2 nd Sem	Fasica Marak	
26	Sunali Sinha	2 nd Sem	Sunali	
27.	Asabul Islam Rana	2 nd Sem	Asabul Islam Rana	
28	Sonam Khatoen Kharon	2 nd Sem	S. Khatoen	
29	Battikorden Khonglam	2 nd Sem	B. Khonglam	
30	Amardeep Nath	4 th Sem	A. Nath	
31	H. Yashbaba Singha	4 th Sem	H. Singha	
32	Pidarisuk Wanniang	6 th Sem	P. Wanniang	
33	Kondor Barch	4 th Sem	K. Barch	
34	Sankiru. Synnah	4 th Sem	S. Synnah	
35	Kerlang Hadlia	4 th Sem	K. Hadlia	
36	Lapynrtiger Khamaier	6 th Sem	L. Khamaier	
37	Chelsia Rosetta Maneroh	6 th Sem	C. Maneroh	
38	Ramisha Begum	6 th Sem	R. Begum	
39	Abou ch. Majumdar	6 th Sem	A. Majumdar	
40.	Cammi Eme Barch	2 th Sem	C. Barch	

Organiz.
B.Sc. 6
Departa
St. Edm

Organiz.
B.Sc. 6
Departa
St. Edm

Student's Attendance

[illegible]

19/5/2023
Assistant Professor & Head
Department of Chemistry
Conferred Star Status-DBT, Govt
St. Edmund's College, Shillong

Feedback of Participants

The Value Added Course (VAC) conducted in our department by our 6th semester seniors was indeed a great programme which helped me to understand the various industrial processes like preparation of handwash, paint making etc. Also we could learn the detection of insecticides in vegetables which was very personally my favourite amongst all. I hope that we would be able to follow the footsteps of our seniors and perform well in our turn. Thank You.

St. Priya Devi
21/CHEM/223 4th Semester

The VAC program went well with a lots of benefit that we got. I would like to thanks our seniors for organizing this program which have help us alot. The ~~courses~~ ^{topic} that they did was about paint making, Handwash preparation, Good adulteration Detection of insecticides in various way, Extraction of vitamin C from various fruits, the explanation the representation was all good. But I personally like most about hand wash preparation as I feel it is more fun and during their making process.

Name: Kordor Baruh
Roll No: 21/CHEM/212
4th Semester.

21/CHEM/215 | Anandup Nair
4th Semester

- The VAC program was quite helpful as it provided a lot of information which may be useful in future.
- The various presentations shown in VAC can help us build a small scale business, thus teaching self-independence.
- We are grateful to the seniors, who put a lot of efforts in performing and presenting the modules.
- Overall it was a very informative course.

The 6th semester students did really well, from presenting the modules to taking care of all other logistics of a 5 day programme, they efforts taken by them showed. The modules themselves were equal measures of enjoyable and educational. The programme made us look forward to our own turn at arranging/presenting such an event a year from now.

Bitapee Chandhury
date Roll No. 21/CHEM/219
BSc. 4th Semester.

I was extremely excited to join the Value added course (VAC) programme being arranged by the 6th semester students for the students of chemistry department. All the programmes were amazing and I got to learn a lot of new things from it. It reached my expectations. I was thrilled by all the programmes but detection of pesticides in various vegetables was my favourite as it had helped me to know how much polluted our vegetables are.

Thank you

Yours,
Girish Ashu
roll no. : 32101395.
4th Sem, 2023

I felt very pleased to join the value added course being conducted by the 6th semester students for the students of chemistry department. The programs were really amazing and I got to learn a lot of new things like: paint making, hand wash preparation, extraction of vitamin C from various fruits etc. The programs were all equally enjoyable and I got to learn a lot from this value added course but hand wash preparation was the most liked one for me as it is easy to make it and it is one which is very useful in everyday life.

Thank you,
Balakrishna K. Muraliman
Roll No : 32101382
4th Sem, 2023

ATTACHMENTS:

1. Brochure



The brochure features a red-to-green gradient background. At the top center is the St. Edmund's College logo. Below it, the text 'Value Added Course' is written in a large, bold, black serif font, followed by the tagline '(For the students, by the students)' in a smaller, italicized font. The title 'Chemistry Based Applications' is prominently displayed in a large, bold, black serif font. The organizing body is listed as 'B.Sc. 6th Semester Students, Department of Chemistry, St. Edmund's College, Shillong'. The date, timing, and venue are specified as '15th – 19th May, 2023', '1 pm onwards', and 'New AV Room / Lab, St. Edmund's College' respectively. The targeted groups are 'Chemistry Honours Students From 4th and 2nd Semester'. On the right side, a yellow box contains five modules: 'Paint Making', 'Hand Wash Preparation', 'Food Adulteration', 'Detection of insecticides in various vegetables', and 'Estimation of Vitamin C in Citrus fruits'. A small Windows watermark is visible at the bottom right of the yellow box.



Value Added Course
(For the students, by the students)

Title : Chemistry Based Applications

Organized by :
B.Sc. 6th Semester Students
Department of Chemistry
St. Edmund's College, Shillong

Date : 15th – 19th May, 2023
Timing : 1 pm onwards
Venue : New AV Room / Lab
St. Edmund's College

Targeted Groups:
Chemistry Honours Students
From 4th and 2nd Semester

Module - 1
Paint Making

Module - 2
Hand Wash Preparation

Module - 3
Food Adulteration

Module - 4
Detection of insecticides
in various vegetables

Module - 5
Estimation of Vitamin C
in Citrus fruits

Activate Windows
Go to Settings to activate Windows.

2. Photo gallery:





**Department of Chemistry
St. Edmund's College, Shillong**

Report on

**VALUE ADDED COURSE
Chemistry Based Applications**



Organized by
Department of Chemistry
St. Edmund's College, Shillong



Department of Chemistry St. Edmund's College

(Affiliated to North Eastern Hill University, Shillong)
Recognized by the University Grant Commission under 2 (f) and 12 (B) of UGC act 1956)
Laitumkhrah, Shillong – 793003, Meghalaya, India

E-mail: chemsec18@gmail.com

Website: <http://sec.edu.in>

Acknowledgements

It gives me a deep sense of gratitude to appreciate the people who have helped the department to conduct such a wonderful certificate course. My heartfelt appreciation and the source of inspiration to

- ⇒ Br (Dr) Simon Coelho, Secretary (GB), St. Edmund's College, Shillong
- ⇒ Dr Sylvanus Lamare, Principal, St. Edmund's College, Shillong
- ⇒ Prof Monotosh Chakravarty, Vice Principal, St. Edmund's College, Shillong
- ⇒ Prof Sumit Deb, Head, Department of Chemistry & IQAC Coordinator, St. Edmund's College, Shillong
- ⇒ Bro S Julius, Bursar, St. Edmund's College, Shillong
- ⇒ Dr. Prashanta Sarkhel, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Prof. Subhrajyoti Chowdhury, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Dr. Iadeishisha Kharbangar, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Prof. Baristar Lyngkhai, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Liza Mary J Wankhar, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Rishanmi I Lamare, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Disaka Sungoh, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Dengkumar Kharkongor, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Kamjuh Dhar, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Laishram G Singh, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Jarvis B Marak, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Ritika Das Choudhury, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Ms Deekshia Bhattachan, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ Mr Thimusstar Khongrymmi & Mr Himboklang Kharkongor, Lab Attendant, Department of Chemistry, St. Edmund's College, Shillong
- ⇒ All the students participants.

1. Title of the Course:

Value Added Course on Chemistry Based Applications

2. Course Code No:

SEC/CHEM/VAC/2022/1

3. Total Contact Hours:

16 hrs

4. Total Credits:

Non-credit Course (Skill enhancement)

5. Date of Approval

12th May 2022

5. Opening of registration process:

6. Closing of Registration Process:

7. Mode of Registration:

Offline

8. Weblink for Registration:

9. Date for Commencement of the Course:

19th May 2022

10. Closing of the course:

21st May 2022

11. Duration:

3 days

12. Total No of Students Enrolled:

76 UG Students

13. Registration Fees:

NIL

14. Total Registration Fees Collected:

NA

15. Course Coordinator:

Dr Khrawborlang Nongsiej, Assistant Professor,
Department of Chemistry, St. Edmund's College, Shillong

16. Demonstrators:

Ms Liza Mary J Wankhar
Department of Chemistry, St. Edmund's College, Shillong

Mr Rishanmi I Lamare
Department of Chemistry, St. Edmund's College, Shillong

Ms Disaka Sungoh
Department of Chemistry, St. Edmund's College, Shillong

Mr Dengkupar Kharkongor
Department of Chemistry, St. Edmund's College, Shillong

Mr Kamjuh Dhar
Department of Chemistry, St. Edmund's College, Shillong

Mr Laishram G Singh
Department of Chemistry, St. Edmund's College, Shillong

Mr Jarvis B Marak
Department of Chemistry, St. Edmund's College, Shillong

Ms Ritika Das Choudhury
Department of Chemistry, St. Edmund's College, Shillong

Ms Deekshia Bhattachan
Department of Chemistry, St. Edmund's College, Shillong

Course description

The principles of Chemistry have been used for the benefit of mankind. In this course, the modules highlights several methods/steps of preparation and extraction of a number of important products like wine, chemical fertilizers, casein, vitamin C, etc.

Course structure

The VAC syllabus proposed is of 16 contact hours with 5 modules units (Module 1, Module2, Module 3, Module 4 and Module 5). Each of these contact hours has course on chemistry based applications. Furthermore, the modules was followed by lab demonstration depending upon the feasibility of the experiments and finally at the end, interaction/feedback session was conducted.

Module	Name of thePaper	Contact Hours		TOTAL
		Theory	Experiments/ Lab	
1	Preparation of Wine	3		3
2	Preparation of Chemical Fertilizers	1	2	3
3	Extraction of Casein from Milk	1	2	3
4	Estimation Vitamin C in Citrus fruits	1	2	3
5	Paper Fertilizers	3		3
6	Interaction/Feedback session	1		1
Total				16

Mode of Conduct of the Course

The course was conducted completely offline in the Chemistry AV Room and Chemistry Laboratory. The mode of presentation was done using ICT tools enabled in the AV room. Student's feedback was collected after the course and accordingly, effective tools were implemented for making the teaching learning process in effective manner.

List of Students Attended for the Course

SL No.	CLASS R/N	NAMES	SEMESTER
1	19/CHEM/201	SUMIT RANJAN TALUKDAR	V
2	19/CHEM/210	WANKERLANG DKHAR	V
3	19/CHEM/212	LIZA MARY J WANKHAR	V
4	19/CHEM/214	RISHANMI I LAMARE	V
5	19/CHEM/230	KHELAN TERANG	V
6	19/CHEM/233	JAMKYRPANG SYIEMLIEH	V
7	19/CHEM/235	L SURAJ SINGH	V
8	19/CHEM/239	KYRSHANSKHEM RYNJAH	V
9	19/CHEM/241	RAVI PRASAD RAY	V
10	19/CHEM/249	AKUMRENLA LONGKUMER	V
11	19/CHEM/505	JOANNA JESSICA THABAH	V
12	19/CHEM/514	RITTIKA DAS CHOUDHURY	V
13	19/CHEM/202	FELIX RETURNMI LAMARE	V
14	19/CHEM/204	JESSE VINCENT SAWIAN	V
15	19/CHEM/206	MICHAEL MAWRIE	V
16	19/CHEM/207	ABHISHEK MODAK	V
17	19/CHEM/208	DISAKA SUNGOH	V
18	19/CHEM/216	DAWANSHISHA KHARRYNGKI	V
19	19/CHEM/218	JARVIS B MARAK	V
20	19/CHEM/219	TEDEUM L DAMUS BIAM	V
21	19/CHEM/221	KAMJUH DHAR	V
22	19/CHEM/224	BAHUNLANG TALANG	V
23	19/CHEM/225	FIONA JENETH WAR	V
24	19/CHEM/229	REPLICA H AWOMI	V
25	19/CHEM/231	LAKHAMTI BADWAR	V
26	19/CHEM/237	SYRPAILIN SUCHIANG	V
27	19/CHEM/242	LAISHRAM GANASHYAM SINGH	V
28	19/CHEM/245	DENGKUPAR KHARKONGOR	V
29	19/CHEM/247	JORA DEBBARMA	V
30	19/CHEM/248	IRUNGBAM KARAN KUMAR	V
31	19/CHEM/502	RISHAB BISWAS	V
32	19/CHEM/511	DEEKSHIA BHATTACHAN	V
33	19/CHEM/512	DAFFINIA BADWAR	V
34	20/CHEM/201	MEBANSHAN SYNGKON	III
35	20/CHEM/205	LAPYNTNGEN KHARNAIOR	III
36	20/CHEM/206	GRANDSTARWELL NONGBRI	III
37	20/CHEM/210	R BAMELARI L NONGLAIT	III
38	20/CHEM/211	FESTARSON LYGDOH	III
39	20/CHEM/212	ELECTRA KASHYAP	III

40	20/CHEM/214	CHELSIA ROSSETTA MAWROH	III
41	20/CHEM/215	NINEBRIGHTNESS SIANGSHAI	III
42	20/CHEM/216	COSTARFIELD LYNGDOH	III
43	20/CHEM/218	ANURAG PAUL CHOUDHURY	III
44	20/CHEM/223	PAMPI SONOWAL	III
45	20/CHEM/225	PHIDARISUK WANNIANG	III
46	20/CHEM/226	RAVI SHANKAR YADAV	III
47	20/CHEM/227	IBANSAROI DKHAR	III
48	20/CHEM/228	OBESTAR K.DEWSAW	III
49	20/CHEM/230	AROUN CH MAJUMDAR	III
50	20/CHEM/231	RANISHA BEGUM	III
51	20/CHEM/232	MANASH PRATIM KAUSHIK	III
52	20/CHEM/234	SEIMINHAO KHONGSAI	III
53	20/CHEM/202	BHIM BAHADUR CHETRY	III
54	20/CHEM/204	DEIMONMI LYNGDOH	III
55	20/CHEM/209	FIRSTARWELL KHONGMALAI	III
56	20/CHEM/229	LAWANRI BAREH	III
57	20/CHEM/233	SHAHIL DAS	III
58	20/CHEM/235	DHIRAJ KUMAR RAY	III
59	20/CHEM/236	DIPANKAR DAS	III
60	21/CHEM/205	HIDAM BANDANA CHANU	I
61	21/CHEM/206	SATYAM SINHA	I
62	21/CHEM/214	ANGKUR PHUKAN	I
63	21/CHEM/219	BITAPEE CHOUDHURY	I
64	21/CHEM/222	ISHA PRADHAN	I
65	21/CHEM/203	BALASHEMBHA K MUSULMAN	I
66	21/CHEM/210	JYOTI KUMARI	I
67	21/CHEM/211	SANKIRU SYNNAH	I
68	21/CHEM/212	KORDOR BAREH	I
69	21/CHEM/215	AMARDEEP NATH	I
70	21/CHEM/218	BALAAIJINGHUN LYNGDOH	I
71	21/CHEM/220	KERLANG HADIA	I
72	21/CHEM/221	TIRTHANKAR DAS	I
73	21/CHEM/223	H PRIYA DEVI	I
74	21/CHEM/224	H YAIPHABA SINGHA	I
75	21/CHEM/226	GIRISH ASHEM	I
76	21/CHEM/225	LOISY DARLONG	I

Feedback of Participants

Name - Obekta K Denuaw

Roll no - 20/CHEM/228

NEHU Roll No - S2001393

Feedback - The value added course was a very helpful and also it gives us a lot of information.

• B. K. Choudhary
21/CHEM/219

It was a well executed presentation program.
Especially so because it was mainly undergraduate students who were doing it themselves.

Mebanshan Syngdon.

Roll no - 20/CHEM/201

Outcome

I am very glad to be a part of this value added course. The practical also is very interesting and helpful to me.

Name - Wankarlang Dkhar

Roll No - S1901395

From this programme held today, personally I have learned a lot with all the activities given by our classmate and it is a great experience.

Name - Laxpyndgen Khannaion

Roll no - 20/CHEM/205

• It was a successful and interesting topic that made us learn various and it was a great. Thank you.

Name - Castarfield Lyngdoh

Roll No - 20/CHEM/216

UNIV. Roll No - S2001386

Feedback: It has been a wonderful session as through this value added course we have learnt so many informative techniques how to make and start by ourself business. Through this learning skill, it had given a helpful course as we can learn new skills and techniques. Wish we may had

- Liza Mary J Wankhar
- 19/CHEM/212/S1901396

Feedback:

- The presentation was well organised and I have learned the most basic concepts about chemistry in my daily life.

Name - Eelena Kashyap

Roll No - 20/CHEM/212

Feedback -

The presentations were really good and I enjoyed the practical session a lot. It was great to learn something new and so easy and helpful.

Name - Festarson Lyngdoh

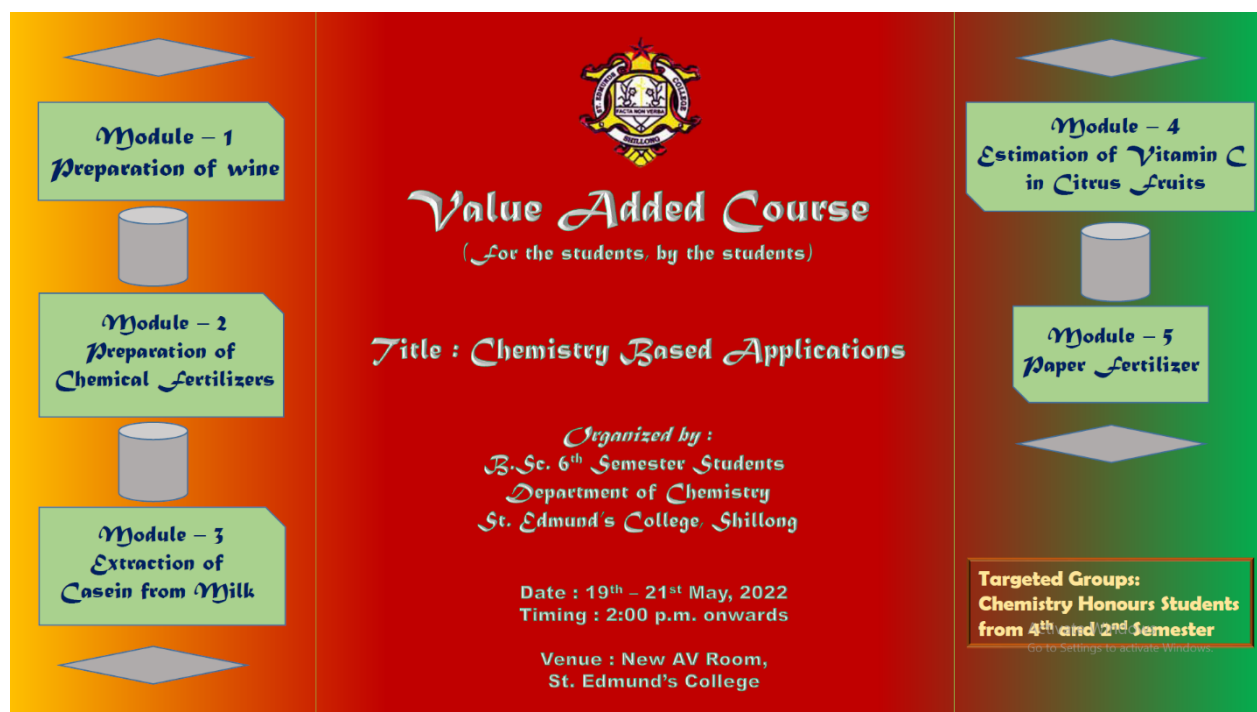
Roll No - 20/CHEM/211

NEHU Roll No - S2001382

FEEDBACK: The value added course was helpful and it makes us know to do more and learned new things. I also really enjoy the sessions ~~and the presentation also was~~ and some basic skills in this VAC.

ATTACHMENTS:

1. Brochure



2. Photo Gallery:



PROGRAMME: Value added course
Basic Electronics Module I
 PARTICIPANTS: BSc Electronics Degree students (INHOUSE)
 VENUE: DEPARTMENT OF ELECTRONICS
 ST. EDMUND'S COLLEGE,
 DATE: 3TH - 8TH August 2022

The Department of Electronics conducted a Value Added Course on “**Basic Electronics Module I**” for **Electronics Major** students of 1st, 3rd and 5th semester. The whole program was coordinated by Dr H. C. Medhi

The Program was planned for five days starting from the 3th of August, 2022 till 8th of August of 2022. It was conducted for three hours every day. The program detail is as shown below.

DAY 1 : (3RD OF AUGUST)	
INTRODUCTORY LECTURE 15MIN	
SESSION: I: TIME: 2 TO 3PM	
NAME OF THE SPEAKER	TOPIC
PROF. SOUMEN CHAKRABORTY	ELECTRONICS PASSIVE COMPONENTS
SESSION: II: TIME: 3 PM TO 5PM	
	TOPIC
PROF. SOUMEN CHAKRABORTY	IDENTIFICATION AND TESTING OF COMPONENTS

DAY 2: (4TH OF AUGUST)	
SESSION: I: TIME: 2 TO 3PM	
NAME OF THE SPEAKER	TOPIC
PROF. K. CHAKRABORTY	MAKING BREAD BOARDS CONNECTION
SESSION: II: TIME: 3 PM TO 5PM	
	TOPIC
PROF. K. CHAKRABORTY	HANDS-ON MEASURING INSTRUMENTS

DAY 3 : (5TH OF AUGUST)	
SESSION: I: TIME: 2 TO 3PM	
NAME OF THE SPEAKER	TOPIC
DR. D. ROYCHOUDHURY	ELECTRONIC'S ACTIVE COMPONENTS
SESSION: II: TIME: 3 PM TO 5PM	
	TOPIC
DR. D. ROYCHOUDHURY	IDENTIFICATION AND TESTING OF COMPONENTS

DAY 4: (6TH OF AUGUST)	
SESSION: I: TIME: 2 TO 3PM	
NAME OF THE SPEAKER	TOPIC
PROF. B. P. THANGKHIEW	IDENTIFICATION OF DIGITAL IC
SESSION: II: TIME: 3 PM TO 5PM	
	TOPIC
PROF. B. P. THANGKHIEW	VERIFYING DIGITAL LOGIC CIRCUITS IN BREAD BOARD

DAY 5 : (8TH OF AUGUST)	
SESSION: I: TIME: 2 TO 5PM	
NAME OF THE SPEAKER	TOPIC
DR. H. C MEDHI	MAKING OF ELECTRONICS CIRCUITS AND TESTING



St Edmund's College

Department Of Electronics

Value Added Course
on Basic Electronics
(Module I)



Only for
BSc Electronics
Students



OFFLINE
Date: 3 August 2022 - 8 August 2022
Time: 2-5 PM

VENUE:
Department of Electronics
Laboratory.



[CLICK TO REGISTER](#)



PICTURES



Conclusion:

The Value added course on “**Basic Electronics Module 1**” was designed to address the knowledge on the basics and fundamentals of Electronics which includes, understanding of active and passive electronic components, assembling of electronic circuits, testing of the components and circuits using electronic instruments and assembling of electronic circuits in PCB which can be taken as the final outcome of the entire program. The program was completed successfully on schedule. The members of the department working as team gave their utmost effort in their respective session. The feedbacks from the students were very satisfying. They have expressed their gratitude about the effort made by the Department to enhance their confidence and shared their desire to attend more such VAC. The program has improved their understanding of the subject and gave the must necessary lift.

Dr Hemen C. Medhi

Program coordinator

Value Added Course

on

Basic Electronics Module 1

PROGRAMME: Value added course
INTRODUCTION TO ARDUINO (MODULE 1)
PARTICIPANTS: BSc Electronics Degree students (INHOUSE)
VENUE: DEPARTMENT OF ELECTRONICS
ST. EDMUND'S COLLEGE,
DATE: 16TH - 26TH August 2022

The Department of Electronics conducted a Value Added Course on "**Introduction to Arduino (Module 1)**" for **Electronics Major** students of 1st, 3rd and 5th semester. The whole programme was planned and coordinated by Prof Bawan Pyntngnlang Thangkhiew .

The Programme was planned for ten days starting from the 16th of August.2022 till 26th. August 2022 . The Programme was conducted for about one and half hours duration every day. The detailed program is shown below.

SESSION: I: TIME: 2-3:30 PM (Day 1 & Day 2)		
NAME OF THE TEACHERS	DATE & DURATION	TOPICS
Prof. B P Thangkhiew	16 th .Aug.2022- 17 th .Aug.2022 Duration: 3 hours	1.Introduction to microcontrollers and arduino boards. 2.Introduction to Arduino IDE . 3.Demo programs and familiarization to Arduino programming.
SESSION: II: TIME: 2-3:30 PM (Day 3 & Day 4)		
Dr. Dhruba Roy Choudhury & Prof. Soumen Chakraborty (day 3 and day 4)	18 th .Aug.2022- 20 th .Aug.2022 Duration: 3 hours:	1. LEDs theory and applications 2. LEDs currents and voltages 3. Practical Series and parallel connections for resistors and calculations. 4.Potentiometer connection. 5.Voltage divider using LDR. 6.Current divider . 7.Breadboard connections.
SESSION: III: TIME: 2-3:30 PM (Day 5 & Day 6)		
Prof. B P Thangkhiew	22 nd . Aug.2022- 23 rd . Aug.2022 Duration: 3 hours	Hands on session 1.Blinking an inbuilt LED, external LED, Fading a LED. 2.Reading analog voltages.. 3.Controlling a LED using LDR
SESSION: IV: TIME: 2-5 PM (Day 7)		
Prof. Kishore Chakraborty & Dr H C Medhi	24 th . Aug.2022- Duration: 3 hours	1.Switches types and uses 2.Motor types and their construction 2.Switching Circuits . 4.Relay construction & circuits
SESSION: IV: TIME: 2-3:30 PM (Day 8 and Day 9)		
Prof. B P Thangkhiew	25 th .Aug.2022- 26 th .Aug.2022- Duration: 3 hours	Hands on session 1.Serial communication 2.Controlling a motor using a IR sensor & using an Ultrasonic sensor 3.Controlling a Relay 4.Introduction to Arduino Shields 5.Summary,feedback, interaction & Exams.



St Edmund's College

Department Of Electronics

(In collaboration with IQAC)

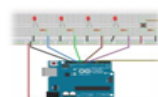
INTRODUCTION TO ARDUINO. (Module 1) Value Added Course



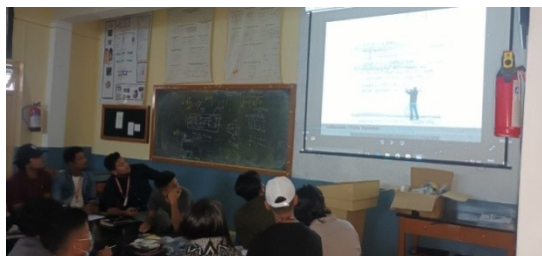
**Registration only for
BSc Electronics students
[All semester]
(No prerequisite)**



**Date: 16-August-2022 to 26-August-2022
Time: 2 PM - 3:30 PM -
VENUE:
Department of Electronics
Laboratory.
Coordinator : B P Thangkhiew
8794882274**



CLICK TO REGISTER



Conclusion

The VAC on Introduction to Arduino (Module 1) was an attempt by the department to give the students of the department a brief yet strong background about Arduino as a microcontroller, how to program it and make necessary hardware connections. This VAC has been designed to make students understand about the various ways by which an external device/sensor can be program and depending on parameters, to sense the analog world, thereby bringing in a deep understanding about actual control of a device via programming. The students were encourage to make their own circuits and introduce changes in the circuits/programs as per their understanding. A test was also conducted to check the their understanding which showed that the students has grasped the knowledge about basics of Arduino programming and in the process of learning the students had also gained problem solving skills which is the need of the hour and will help them in the long run .

Bawan Pyntngenlang Thangkhiew

Program coordinator

Value Added Course

on

Introduction to Arduino

(Module 1)

REPORT FOR THE VALUE ADDED COURSE CONDUCTED

1. NAME OF THE DEPARTMENT: Computer Science
2. TITLE OF THE PROGRAMME: Value Added Course on "Introduction to Algorithmic Thinking and Programming"
3. NAME OF THE RESOURCE PERSON: Mr. Bertrand Dkhar
4. NAME OF THE ORGANIZING FACULTY: Mr. Bertrand Dkhar
5. DATE: 20th October - 30th October, 2021
6. TIME: 6:00 pm - 6:45 pm
7. VENUE (IF OFFLINE): N/A
8. MODE: ONLINE
9. PLATFORM: Zoom
10. LINK (if online):

Date	Zoom Link
20.10.21	https://us04web.zoom.us/j/78825538951?pwd=OXU0Zk9WbVpGOUx1eHV1ZFRSVDI4UT09
21.10.21	https://us04web.zoom.us/j/71532416818?pwd=cm55bnpRU3p2WHVZc01ERllrNUFZZz09
22.10.21	https://us04web.zoom.us/j/73424940793?pwd=ODUyMnRvYmsyUGJQdmN6cnNQeEEwZz09
23.10.21	https://us04web.zoom.us/j/79155361139?pwd=Vm9uR0J2dDARQjhVQldRVGZsWjFUQT09
25.10.21	https://us04web.zoom.us/j/79050626813?pwd=dkNaeGRBTmxlMVN5V2s4bWJZb1FKdz09
26.10.21	https://us04web.zoom.us/j/71215683024?pwd=QVNzcnpWMTkraGZ5azBxTGZpWUNmdz09
27.10.21	https://us04web.zoom.us/j/76778741097?pwd=eTViY1crWEIxY3dHdnVQkg3bnhTUT09
28.10.21	https://us04web.zoom.us/j/76084131763?pwd=SGI1ZDQ4enFiczA4STk1RIN3UTNLdz09
29.10.21	https://us04web.zoom.us/j/75093381581?pwd=aHptaillzUDRZZFpJbGlxcmxOSVBJdz09
30.10.21	https://us04web.zoom.us/j/79606680730?pwd=cmxVeXg1NmVXckVncDNrUTFtbWF1UT09

11. NO OF PARTICIPANTS: 26 students

12. OUTCOME OF THE PROGRAMME: At the end of the course, the students were able to: -
- a. Understand the need for algorithms as well as how to write effective algorithms for small problems.
 - b. Translate algorithms into flow charts.
 - c. Program in the C language for the following basic operations:
 - i. Taking user input
 - ii. Making decisions using if-else
 - iii. Looping/repeating program statements using for and while loop constructs
 - iv. Compartmentalise programs into user-defined functions

(Signature of the Organizing faculty)

(Signature of the Head)

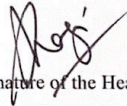
REPORT FOR THE VALUE ADDED COURSE CONDUCTED

1. NAME OF THE DEPARTMENT: Computer Science
2. TITLE OF THE PROGRAMME: Value Added Course on "Basic Statistics for Data Analysis"
3. NAME OF THE RESOURCE PERSON: Mr. Bertrand Dkhar
4. NAME OF THE ORGANIZING FACULTY: Mr. Bertrand Dkhar
5. DATE: 14th March - 19th March, 2022
6. TIME: 2:30 pm - 3:30 pm
7. VENUE (IF OFFLINE): Computer Science Laboratory, St. Edmund's College.
8. MODE: OFFLINE
9. PLATFORM: N/A
10. LINK (if online): N/A
11. NO OF PARTICIPANTS:

STUDENTS: 25

12. OUTCOME OF THE PROGRAMME: At the end of the course, the students were able to: -
 - a. Understand the importance of Data Science.
 - b. Understand the types of variables while gathering data points for an experiment/study
 - c. Use measures of central tendency (mean, median and mode) and measures of dispersion (variance and standard deviation)
 - d. Normalize data points using min-max, decimal scaling and z-score techniques
 - e. Compare and contrast between Correlation Analysis and Regression Analysis with practical real world examples.


(Signature of the Organizing faculty)


(Signature of the Head)

REPORT FOR THE VALUE ADDED COURSE CONDUCTED

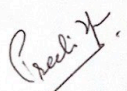
1. NAME OF THE DEPARTMENT: Computer Science
2. TITLE OF THE PROGRAMME:" BASIC COURSE ON WEBDESIGN USING HTML \$ CSS
3. NAME OF THE RESOURCE PERSON:Preeti Thapa, Asst Prof, Dept of Computer Science
4. NAME OF THE ORGANIZING FACULTYPreeti Thapa, Asst Prof, Dept of Computer Science
5. DATE: 01.11.2021 to 05.12.2021
6. TIME: 1:30pm to 2:30pm
7. VENUE (IF OFFLINE): -
8. MODE:ONLINE
9. PLATFORM: Google Meet
10. LINK (if online)<https://meet.google.com/kvw-ezqi-hpv>
11. NO OF PARTICIPANTS:16

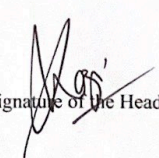
STUDENTS:

LIST OF STUDENT PARTICIPANTS				
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1	SILDORA DOHLING	Third semester	Social work	sildoradohling@gmail.com
2	Aniket Dey	3rd Semester	Political Science	aniket16dey@gmail.com
3	Celestial Shadap	1st semester	Economics	celestialshadap03@gmail.com
4	SDANGMINAKA SUJA	3rd Semester	ECONOMICS	sdangminakasuja@gmail.com
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6	Ngamminhao Lungdim	1Semester	Economics	lungdimngamminhao@gmail.com
7	Rebelson Umsong	5th Semester	Khasi	tumsongrebelson@gmail.com
8	Tony M Sangma	1st semester	Economics	Tonysangma123go@gmail.com
9	Risalangki Suam	1st semester	Economics	risasuam02@gmail.com
10	Albahunki Suchiang	3rd Semester	Social work	aibasuchiang@gmail.com
11	AIBANSHAI PYNGROPE	3rd semester	Economics	aibanshaipyngropeahc@gmail.com
12	Phaimideimaia Dhar	1st Semester	Bachelor of Social Work (BSW)	phaimidhar@gmail.com
13	PRINCE PRIYAM	3rd Semester	Social Work	prince.priyaminfo@gmail.com
14	Stanly M kharmawphiang	3rd Semester	Geography	stanlymarbiang2002@gmail.com
15	Barsa Yadav	5th Semester	Political Science	Barsayadav16@gmail.com
16	Rikyntilang Lyngdoh	3rd Semester	Social work	lyngdohrikyntilang@gmail.com

12. OUTCOME OF THE PROGRAMME

After the completion of the the course the students wereable to useHyper Text Markup Language for creating web pages and web application.It also gave them basic idea about CSS which is the language use to style an HTML document.CSS which describes how HTML elements should be displayed


(Signature of the Organizing faculty)


(Signature of the Head)

REPORT FOR THE VALUE ADDED COURSE CONDUCTED

1. NAME OF THE DEPARTMENT: Computer Science
2. TITLE OF THE PROGRAMME: Installing Linux on Virtualbox and a tour of essential commands
3. NAME OF THE RESOURCE PERSON: Jeremy Kharchandy
4. NAME OF THE ORGANIZING FACULTY: Jeremy Kharchandy
5. DATE: 16-11-2021 to 22-11-2021
6. TIME: 8:00 AM - 8:45 AM
7. VENUE (IF OFFLINE):
8. MODE: Online
9. PLATFORM: Google Meet on Windows 10; Virtualbox
10. LINK (if online):

Date	Link
16-11-2021	https://meet.google.com/zex-phuw-tjz
17-11-2021	https://meet.google.com/vec-tchf-ypn
18-11-2021	https://meet.google.com/pdy-scas-dxe
19-11-2021	https://meet.google.com/wmm-sixe-uic
22-11-2021	https://meet.google.com/rzt-yzft-crq

11. NO OF PARTICIPANTS: 13

STUDENTS:

Sl. No.	Name	Roll No.	Dept.
1.	Aaradhya Pandey	049 / P1900139	B.C.A.
2.	Alisa N. Lyngdoh Nonglait	21/BCAS/011	B.C.A.
3.	Anushka Gurung Sherpa	21/BCAS/ 002	B.C.A.
4.	Beki Rabha	19ELEC/116	Electronics
5.	Guidingstar Sohphoh	153	Computer Science
6.	Jethro Jarvis Roy Jyrwa	21/BCAS/042	B.C.A.
7.	Mebanshan Jitem	101	Electronics
8.	Ngangam Haolai	P2000113	B.C.A.
9.	Nikita Ghosh	31	B.C.A.
10.	Paskal Tympuin	33	B.C.A.
11.	PC Lalremmawia	19/PHYS/515	Physics
12.	Sanjay Pal	21BCAS022	B.C.A.
13.	Sheetal Chettri	10	B.C.A.

12. OUTCOME OF THE PROGRAMME:

The introductory class began with the origins of Linux, its popular areas of use and then opened out into a discussion of the different Linux distributions and their main features/differences. There was a look into the advantages of Linux itself and a discussion of what open-source software is.

The second class introduced students to Virtualbox. They were instructed on where to obtain the installation files from, how to install and customise Virtualbox.

The third class demonstrated the Linux installation process on Virtualbox. Virtualbox was chosen since it was felt that students may have apprehensions about crashing their computer systems when attempting a native install on an actual hard disk partition. The students were first introduced to .iso files and where to obtain Linux .iso files for their distro of choice. The entire installation process was suitably adapted in order to maintain the pace of instruction.

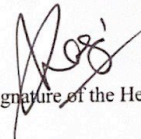
The fourth class introduced Virtualbox Guest Additions and the added capabilities it offered.

The last class demonstrated software installation in Linux both in graphical and text-based modes. There was then a brief introduction to the most basic but essential Linux commands for use in a terminal; these covered commands like mkdir, cd, man, free, find, tree, vi, gcc, javac etc.

The students showed interest in the course and they expressed a willingness to try out the installation process themselves; the demo sessions were recorded and the links to these were given to the participants.



(Signature of the Organizing faculty)



(Signature of the Head)

REPORT FOR THE VALUE-ADDED COURSE CONDUCTED

1. NAME OF THE DEPARTMENT: Computer Science
2. TITLE OF THE PROGRAMME: " BASIC COURSE ON LIBRE OFFICE CALC(EXCEL)"
3. NAME OF THE RESOURCE PERSON: Preeti Thapa, Asst Prof, Dept of Computer Science
&
Jeremy Kharchandy, Asst Prof, Dept of Computer Science
4. NAME OF THE ORGANIZING FACULTY Preeti Thapa, Asst Prof, Dept of Computer Science
&
Jeremy Kharchandy, Asst Prof, Dept of Computer Science
5. DATE: 23.03.2022 to 28.03.2022
6. TIME: 1:30pm to 2:30pm
7. VENUE (IF OFFLINE): Computer Science Department Lab
8. MODE: OFFLINE
9. PLATFORM: - -
10. LINK (if online)
11. NO OF PARTICIPANTS: 30

STUDENTS:

Serial No	FULL NAME	Email ID	SEMESTER	STREAM
1	Disaka Sungoh	disakasungoh174@gmail.com	6	BSc Chemistry
2	Electra Kashyap	electrakashyap@gmail.com	4th	BSc Chemistry
3	Anurag Paul Choudhury	bhupeshpaul49@gmail.com	4	Chemistry
4	Ayushmi Kashyap	ayushmikashyap16@gmail.com	4th Semester	BA Sociology
5	Sumana Sarkar	1910sumanasarkar@gmail.com	2nd semester	BSc Computer science
6	PAMPI SONOWAL	pampipam09@gmail.com	4th	BSc Chemistry
7	Daniel Wonder Kharpran	dani.kharpran@gmail.com	4th semester	Bsc Physics
8	Maphibanri Nongkhar	maphibanri24@gmail.com	4th Semester	BSc. Mathematics
9	Ilarishsha Marbanliang	marbanliang123@gmail.com	6th semester	Bsc Mathematics
10	OBESTAR K DEWSAW	obestarkdewsa@gmail.com	4th Semester	BSC,CHEMISTRY
11	Happiness Dikhar	Happinessdikhar14@gmail.com	6th semester	Bsc Mathematics
12	Dopmikordor War	dopmikordorwar@gmail.com	6th	Bsc physics
13	Celestial Shadap	celestialshadap03@gmail.com	2nd Semester	B.A. Economics
14	Kwi Langstang	kwilangstang@gmail.com	6th semester	BSC Mathematics
15	Mebanphira Phawa	mebanphawa11@gmail.com	6th semester	Bsc Mathematics
16	Meenakshi Barik	meenakshibarik646@gmail.com	4th semester	BCA
17	R Bamelari L Nonglait	bamelarinonglait@gmail.com	IV	BSc Chemistry
18	PC Lalremmawia	remmawiapachuau3@gmail.com	6th Semester	BSc Physics
19	Sharmynrap Biam	sharmynrapb@gmail.com	2nd semester	BA economics
20	Syrpailin Suchiang	syrpailinsuchiang@gmail.com	6th	BSC Chemistry
21	S. Ginneo Kipgen	Lamkhosatkipgen@gmail.com	2nd semester	BA Sociology
22	Afia Zahen Bora	afiazaheenbora@gmail.com	4th	Ba Sociology
23	WANPYNDAPBIANG MARNGAR	wmarngar2001@gmail.com	2ndsemester	BA
24	Mildaris Syiemiong	mildarissyiemiong@gmail.com	4th semester	Bsc Mathematics
25	SARA QUEEN WANKHAR	saraqueen109wankhar@gmail.com	4th	B.Sc Mathematics
26	Mismita Datta	dattamismita@gmail.com	4th	Physics
27	Naome Lalremkimi	naomelalremkimi@gmail.com	4th	BA sociology
28	Festaron Lyngdoh	festmelo05@gmail.com	4th Semester	BSc Chemistry
29	Asmita Kilikdar	asmitakilikdar2001@gmail.com	4th	BSC Zoology
30	Jitender-singh	Singhatnder102@gmail.com	2nd	B.A Economic's Hons
31	Heisadaka Syrti	heisadakasyrti16@gmail.com	4th semester	Bsc Mathematics

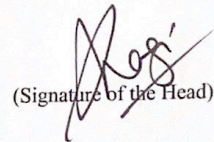
12. OUTCOME OF THE PROGRAMME

After the completion of the course the students were able to:

- Control the viewing of spreadsheets with freezing and splitting features of Calc
- Dynamically emphasize data in spreadsheet using conditional formatting
- Organize, group, and sort data in a spreadsheet
- Create and apply filters to extract information from a spreadsheet
- Generate charts from data using the Chart wizard



(Signature of the Organizing faculty)



(Signature of the Head)

Value Added Course Conducted Under Spoken Tutorial

About Training/Workshops using the Spoken Tutorial E-Tutor

The **Spoken Tutorial** Project is developed at **IIT Bombay**, funded by the **National Mission on Education** through information and Communication Technology (ICT) and launched by the **Ministry of Human Resources and Development, Government of India**.

Spoken Tutorial is a multi –award winning educational content portal. Here one can learn various free and open source software, all by oneself. These self -paced, multilingual courses ensured that anybody with a computer and a desire for learning can learn from any place, at any time and in a language of their choice. The courses are simple and easy to follow even for a beginner. But they also meet the growing needs of the learner. These engaging digital content ensures that learning happens at all levels- basic, intermediate and advanced .

Title: GIMP

Mode: Online

Duration: From: Sept. 28, 2021 To October. 28, 2021

No Of students: 29

GIMP:

Graphics art and design software application for the editing and creation of original images, icons, graphical elements of web pages and art for user interface elements. Useful for all graphic related work. Open source equivalent of **Photoshop**.

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Title: Android app using Kotlin

Mode: Online

Duration: From: July 1, 2021 to August 1, 2021

No Of students: 64

Android app using Kotlin

Google has announced **Kotlin** as an official language on **Android**. **Kotlin**, is a statically typed programming language for the JVM, Android and the browser. It is expressive to make your code more readable and understandable.

Useful for anyone who wants to learn how to make an **Android app**

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Title: Accounting and Finance - FrontAccounting-2.4.7

Mode: Online

Duration: From: July 1, 2021 To August 1, 2021

No Of students: 64

Accounting and Finance - FrontAccounting-2.4.7

Free, open source business accounting software (having features similar to Tally).

Useful for UG/PG Commerce students.

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MUSKAN AKHTAR BARBHUIYA	muskanaktar29@gmail.com	Female

Title : Python

Mode: Online

Duration: From: Sept. 28, 2021 To October. 28, 2021

No Of students: 29

Python

Numerical computational software for Science and Engineering Education - used in 3D animation and Gaming industry, Artificial Intelligence, YouTube, NASA, CERN, Yahoo and so on.

Useful for UG/PG CSE/IT/CS students.

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HAMMYLLIEN LYNGDOH	king94lyngdoh@gmail.com	Male
ORESTAR JOHN WANNIANG	johnfisherwanniang80@gmail.com	Male
PASKAL TYMPUIN	paskaltympuin02@gmail.com	Male
ALISA LYNGDOH NONGLAIT	alisalyngdoh@gmail.com	Female
SAGAR THAKUR	sagarkr.thakur79@gmail.com	Male
LAPYNDAPBIANG KHARUMNUID	alexkharumnuid30@gmail.com	Female
Melody Narzary	melodynarzary4@gmail.com	Female
PHINRILAMATTI KHRIAM	phinrilakhriam@gmail.com	Female
TENGKU M MARAK	tengkummarak11@gmail.com	Male
ANIMEGH BORO	animeghb@gmail.com	Male
GRAFENBERG LANGPEN	grafenaveiro@gmail.com	Male
ROHAN YADAV	devishilla09@gmail.com	Male
KERRIMEKA MAWROH	kerrimekamawroh@gmail.com	Female

IBALADAPBIANG ROYWAN	ibaladapbiang00@gmail.com	Female
MIRACLE RANI	miraclerani718@gmail.com	Female
ARWAN SWER	arwanswer@gmail.com	Male
JETHRO JARVIS ROY JYRWA	jethrojyrwaroy@gmail.com	Male
JOSAIAH MURFEAL DKHAR	josaiah26dkhar@gmail.com	Male
TANUJA UPADHAYA	tanujaupadhaya08@gmail.com	Female
LANCHENBA WANGJAM	lanchenbawangjam94@gmail.com	Male
DAKANI NONGPLUH	dakaninongpluh3@gmail.com	Female
MARBLECY SHANGDIAR	marblecyshangdiar@mail.com	Female
ROZIO ROZARIO	roziiorozario@gmail.com	Male
ARJUN BASUMATARY	basumataryarjun5@gmail.com	Male
JANAK R.	janakram140303@gmail.com	Male
YUDALIN MARBANIANG	marbaniangyoudalin@gmail.com	Female

BISHWADEEP BHATTACHARJEE	bhattacharjeebishwadeep317@gmail.com	Male
SANJAY PAL	sanjaypaul6111@gmail.com	Male
BANDARISABET KHARKONGOR	sabette30@gmail.com	Female
SUBHANKAR DEB ROY	subhankardebroy77@gmail.com	Male
BAPHINDAPBIANG PATHAW	baphinpathaw@gmail.com	Female
SOSHIM KASAR KASAR	soahimkasarmaklao@gmail.com	Male
LABIANGLIN SOHLANG	labianglinsohlang@gmail.com	Female
RONIT KUMAR SINGH	shanskar2019@gmail.com	Male

Report on
"Spoken Tutorial - Biopython (for Bio-Chemistry)"

by the National Mission on Education
through Information and Communication Technology (ICT),
launched by Ministry of Education,
erstwhile Ministry of Human Resources and Development,
Government of India.

Title of the Course: “Spoken Tutorial – Biopython (for Bio-Chemistry)”

Total Contact Hours: 1 hour

Mode of Registration: Online

Date for Commencement of the Course: Nov. 9, 2022

Closing of the course: Nov 30, 2022.

Total No of Students Registered: 8 students

Course Coordinator: Ms. Sarmistha Deb.

Course Co-Coordinator: Ms. Rajni Khyriem.

Details of Students Enrolled for the Course.

SL. NO.	FIRST NAME	LAST NAME	EMAIL ID	DEPARTMENT	SEMESTER
1	SURAJ	SINGH	surajsingh96158@gmail.com	BIOCHEMISTRY	FIFTH
2	PRAGYA	MUKHERJEE	pragya20804@gmail.com	BIOCHEMISTRY	FIFTH
3	E MALVIN	LAMIN DUMAI	laminmalvin7759@gmail.com	BIOCHEMISTRY	FIFTH
4	JOHNSON	MYLLIEM	johnsonmyllem13@gmail.com	BIOCHEMISTRY	FIFTH
5	ZAHED	HUSSAIN	zahed3974@gmail.com	BIOCHEMISTRY	FIFTH
6	DAYSUN RAYNIER	D SHIRA	suchitrashira03@gmail.com	BIOCHEMISTRY	FIFTH
7	NISHITA	HAZARIKA	hazarikanishita01@gmail.com	BIOCHEMISTRY	FIFTH
8	SUDARSHANA	BORAH	sudarshanaborah2000@gmail.com	BIOCHEMISTRY	FIFTH

Details of the ONLINE TEST

SL. NO.	FIRST NAME	LAST NAME	PERCENTAGE
1	SURAJ	SINGH	16.0 %
2	PRAGYA	MUKHERJEE	<u>48.0%</u>
3	E MALVIN	LAMIN DUMAI	<u>60.0%</u>
4	JOHNSON	MYLLIEM	<u>56.0%</u>
5	ZAHED	HUSSAIN	24.0 %
6	DAYSUN RAYNIER	D SHIRA	<u>64.0%</u>
7	NISHITA	HAZARIKA	<u>40.0%</u>
8	SUDARSHANA	BORAH	<u>52.0%</u>

Report on
"Spoken Tutorial – Biopython (for Biotechnology BATCH 1)"

by the National Mission on Education
through Information and Communication Technology (ICT),
launched by Ministry of Education,
erstwhile Ministry of Human Resources and Development,
Government of India.

Title of the Course: “Spoken Tutorial – Biopython (for Biotechnology BATCH 1)”

Total Contact Hours: 1 hour

Mode of Registration: Online

Date for Commencement of the Course: April 18, 2023

Closing of the course: May 2, 2023.

Total No of Students Registered: 30 students

Course Coordinator: Ms. Sarmistha Deb.

Course Co-Coordinator: Ms. Rajni Khyriem.

Details of Students Enrolled for the Course.

SL. NO.	FIRST NAME	LAST NAME	EMAIL ID	DEPARTMENT	SEMESTER
1	REBECCA	MARBANIANG	rebeccamarbaniang21@gmail.com	BIOTECHNOLOGY	FIFTH
2	PYNBIANGLANG	DKHAR	adirajulia086@gmail.com	BIOTECHNOLOGY	FIFTH
3	MRIDUSHMITA	DAS	mridushmita28@gmail.com	BIOTECHNOLOGY	FIFTH
4	SANJIDA CHOWDHURY	REYA	sanjidachowdhuryreya@gmail.com	BIOTECHNOLOGY	FIFTH
5	JASMINE	SAWIAN	ajsawian03@gmail.com	BIOTECHNOLOGY	FIFTH
6	KHUSBOO	SHARMA	khusboosharma1707@gmail.com	BIOTECHNOLOGY	FIFTH
7	RAJDEEP	PAUL	rajdeeppaul94444@gmail.com	BIOTECHNOLOGY	FIFTH
8	MONICA JOLSHA	WARJRI	nica1lsashawarjri@gmail.com	BIOTECHNOLOGY	FIFTH
9	ASHAKIRAN D	RAI	sasharai270901@gmail.com	BIOTECHNOLOGY	FIFTH
10	ARBANYLLA	WAR	arbawar22@gmail.com	BIOTECHNOLOGY	FIFTH
11	CHANSIM	KASHUNG	chanshim1812@gmail.com	BIOTECHNOLOGY	FIFTH
12	ANKITA	HAZARIKA	ankitahazarika008@gmail.com	BIOTECHNOLOGY	FIFTH

Details of Students Enrolled for the Course.

SL. NO.	FIRST NAME	LAST NAME	EMAIL ID	DEPARTMENT	SEMESTER
13	SHIMRAN	SAIGAL	saigaldaniel1@gmail.com	BIOTECHNOLOGY	FIFTH
14	VANSHIKA	JASRASARIA	vanshikajasrasaria@gmail.com	BIOTECHNOLOGY	FIFTH
15	ANKIT	DASGUPTA	ankitdasgupta2002@gmail.com	BIOTECHNOLOGY	FIFTH
16	RODE	ISLARY	rodeislary@gmail.com	BIOTECHNOLOGY	FIFTH
17	SOUMYADEEP	BHATTACHARJEE	soumyadeepbhattacharjee.pvt@gmail.com	BIOTECHNOLOGY	FIFTH
18	SUSMITA	DAS	susmitadas0006@gmail.com	BIOTECHNOLOGY	FIFTH
19	NISHA KUMARI	RAY	nisharoy4900@gmail.com	BIOTECHNOLOGY	FIFTH
20	WILSON	SUTNGA	sutngawilson@gmail.com	BIOTECHNOLOGY	FIFTH
21	FRANKY	L NONGBRI	frank7zain@gmail.com	BIOTECHNOLOGY	FIFTH
22	LHINGJOUJAM	MISAO	lhingjoujamm@gmail.com	BIOTECHNOLOGY	FIFTH

Details of Students Enrolled for the Course.

SL. NO.	FIRST NAME	LAST NAME	EMAIL ID	DEPARTMENT	SEMESTER
23	JIPHILA ROIDILL	SHABONG	jiphilaroidill@gmail.com	BIOTECHNOLOGY	FIFTH
24	TRILOCHAN	DEBBARMA	debbarmatrilochan19@gmail.com	BIOTECHNOLOGY	FIFTH
25	PHIDARIKYNTI	THANGKHIEW	phidathangkhiew580@gmail.com	BIOTECHNOLOGY	FIFTH
26	LAVINIA	WARBAH	warbahlavinia87@gmail.com	BIOTECHNOLOGY	FIFTH
27	FULBERTSTAR	MAWKHIEW	mawkhiewfulbertstar@gmail.com	BIOTECHNOLOGY	FIFTH
28	RAHUL	SUNAR	rahulsunar2903@gmail.com	BIOTECHNOLOGY	FIFTH
29	LISIA	SINGPHO	lisiasingpho27@gmail.com	BIOTECHNOLOGY	FIFTH
30	DANI	MONYA	monyadani@gmail.com	BIOTECHNOLOGY	FIFTH

Details of the ONLINE TEST

SL. NO.	FIRST NAME	LAST NAME	PERCENTAGE
1	REBECCA	MARBANIANG	<u>64.0%</u>
2	PYNBIANGLANG	DKHAR	<u>60.0%</u>
3	MRIDUSHMITA	DAS	<u>64.0%</u>
4	SANJIDA CHOWDHURY	REYA	<u>60.0%</u>
5	JASMINE	SAWIAN	<u>48.0%</u>
6	KHUSBOO	SHARMA	<u>48.0%</u>
7	RAJDEEP	PAUL	32.0%
8	MONICA JOLSHA	WARJRI	<u>80.0%</u>
9	ASHAKIRAN D	RAI	<u>60.0%</u>
10	ARBANYLLA	WAR	<u>48.0%</u>
11	CHANSIM	KASHUNG	<u>48.0%</u>
12	ANKITA	HAZARIKA	<u>60.0%</u>

Details of the ONLINE TEST

SL. NO.	FIRST NAME	LAST NAME	PERCENTAGE
13	SHIMRAN	SAIGAL	ABSENT
14	VANSHIKA	JASRASARIA	<u>52.0%</u>
15	ANKIT	DASGUPTA	<u>64.0%</u>
16	RODE	ISLARY	36.0%
17	SOUMYADEEP	BHATTACHARJEE	<u>84.0%</u>
18	SUSMITA	DAS	<u>52.0%</u>
19	NISHA KUMARI	RAY	28.0%
20	WILSON	SUTNGA	24.0%
21	FRANKY	L NONGBRI	<u>52.0%</u>
22	LHINGJOUJAM	MISAO	<u>44.0%</u>

Details of the ONLINE TEST

SL. NO.	FIRST NAME	LAST NAME	PERCENTAGE
23	JIPHILA ROIDILL	SHABONG	<u>80.0%</u>
24	TRILOCHAN	DEBBARMA	<u>68.0%</u>
25	PHIDARIKYNTI	THANGKHIEW	<u>60.0%</u>
26	LAVINIA	WARBAH	<u>56.0%</u>
27	FULBERTSTAR	MAWKHIEW	<u>40.0%</u>
28	RAHUL	SUNAR	32.0%
29	LISIA	SINGPHO	<u>76.0%</u>
30	DANI	MONYA	<u>48.0%</u>

Report on
"Spoken Tutorial - Python 3.4.3 (for BCA)"

by the National Mission on Education
through Information and Communication Technology (ICT),
launched by Ministry of Education,
erstwhile Ministry of Human Resources and Development,
Government of India.

Title of the Course: “Spoken Tutorial – Python 3.4.3 (for BCA)”

Total Contact Hours: 7 hours

Mode of Registration: Online

Date for Commencement of the Course: Nov 15, 2022

Closing of the course: Dec 15, 2022.

Total No of Students Registered: 28 students

Course Coordinator: Ms. Sarmistha Deb.

Course Co-Coordinator: Ms. Rajni Khyriem.

Details of Students Enrolled for the Course.

SL. NO.	FIRST NAME	LAST NAME	EMAIL ID	DEPARTMENT	SEMESTER
1	ANKITA	SEN	ankitasen3002@gmail.com	BCA	THIRD
2	RAJAT	PRASAD	rajatprasad2622@gmail.com	BCA	THIRD
3	IZABERT	NONGDHAR	kkongorizabert@gmail.com	BCA	THIRD
4	ORESTAR JOHN	WANNIANG	johnfisherwanniang80@gmail.com	BCA	THIRD
5	SAGAR	THAKUR	sagarkr.thakur79@gmail.com	BCA	THIRD
6	LAPYNDAPBIANG	KHARUMNUID	alexkharumnuid30@gmail.com	BCA	THIRD
7	MELODY	NARZARY	melodynarzary4@gmail.com	BCA	THIRD
8	ANIMEGH	BORO	animeghb@gmail.com	BCA	THIRD
9	GRAFENBERG	LANGPEN	grafenaveiro@gmail.com	BCA	THIRD
10	ROHAN	YADAV	devishilla09@gmail.com	BCA	THIRD
11	KERRIMEKA	MAWROH	kerrimekamawroh@gmail.com	BCA	THIRD
12	IBALADAPBIANG	ROYWAN	ibaladapbiang00@gmail.com	BCA	THIRD

Details of Students Enrolled for the Course.

SL. NO.	FIRST NAME	LAST NAME	EMAIL ID	DEPARTMENT	SEMESTER
13	MIRACLE	RANI	miraclerani718@gmail.com	BCA	THIRD
14	JETHRO J ROY	JYRWA	jethrojyrwaroy@gmail.com	BCA	THIRD
15	TANUJA	UPADHAYA	tanujaupadhaya08@gmail.com	BCA	THIRD
16	LANCHENBA	WANGJAM	lanchenbawangjam94@gmail.com	BCA	THIRD
17	JANAK	R.	janakram140303@gmail.com	BCA	THIRD
18	YOU DALIN	MARBANIANG	marbaniangyoudalin@gmail.com	BCA	THIRD
19	SUBHANKAR	DEB ROY	subhankardebroy77@gmail.com	BCA	THIRD
20	BAPHINDAPBIANG	PATHAW	baphinpathaw@gmail.com	BCA	THIRD
21	RONIT KUMAR	SINGH	shanskar2019@gmail.com	BCA	THIRD
22	BANPYNBHALANG	KURBAH	banpynkurbah07@gmail.com	BCA	THIRD

Details of Students Enrolled for the Course.

SL. NO.	FIRST NAME	LAST NAME	EMAIL ID	DEPARTMENT	SEMESTER
23	AMARJIT	JHA	amarjeetjha04@gmail.com	BCA	THIRD
24	PRAHELIKA	DAS	prahelikadas0312@gmail.com	BCA	THIRD
25	RUSSEL	KHARBHIH	nunyabidnessfammm@gmail.com	BCA	THIRD
26	ADITYA	KUMAR	adityakumarshah608@gmail.com	BCA	THIRD
27	DEIMONMI	KYNDIAH	kyndiahdeimon753@gmail.com	BCA	THIRD
28	ASHISH	RAI	ashishray640@gmail.com	BCA	THIRD

Details of the ONLINE TEST

SL. NO.	FIRST NAME	LAST NAME	PERCENTAGE
1	ANKITA	SEN	30.0 %
2	RAJAT	PRASAD	10.0 %
3	IZABERT	NONGDHAR	26.0 %
4	ORESTAR JOHN	WANNIANG	<u>40.0%</u>
5	SAGAR	THAKUR	35.0 %
6	LAPYNDAPBIANG	KHARUMNUID	30.0 %
7	MELODY	NARZARY	<u>40.0%</u>
8	ANIMEGH	BORO	<u>70.0%</u>
9	GRAFENBERG	LANGPEN	<u>70.0%</u>
10	ROHAN	YADAV	10.0 %
11	KERRIMEKA	MAWROH	<u>58.0%</u>
12	IBALADAPBIANG	ROYWAN	<u>45.0%</u>

Details of the ONLINE TEST

SL. NO.	FIRST NAME	LAST NAME	PERCENTAGE
13	MIRACLE	RANI	26.0 %
14	JETHRO J ROY	JYRWA	<u>80.0%</u>
15	TANUJA	UPADHAYA	31.9 %
16	LANCHENBA	WANGJAM	<u>58.0%</u>
17	JANAK	R.	<u>70.0%</u>
18	YOU DALIN	MARBANIANG	<u>50.0%</u>
19	SUBHANKAR	DEB ROY	<u>65.0%</u>
20	BAPHINDAPBIANG	PATHAW	<u>45.0%</u>
21	RONIT KUMAR	SINGH	<u>55.0%</u>
22	BANPYNBHALANG	KURBAH	<u>55.0%</u>

Details of the ONLINE TEST

SL. NO.	FIRST NAME	LAST NAME	PERCENTAGE
23	AMARJIT	JHA	<u>56.0%</u>
24	PRAHELIKA	DAS	25.0%
25	RUSSEL	KHARBHIH	<u>60.0%</u>
26	ADITYA	KUMAR	<u>61.0%</u>
27	DEIMONMI	KYNDIAH	<u>45.0%</u>
28	ASHISH	RAI	<u>55.0%</u>



Spoken Tutorial
Project at
IIT Bombay

Certificate for Completion of Python 3.4.3 Training

This is to certify that **CALWYN SUCHIANG** has successfully completed **Python 3.4.3** test organized at **St. Edmund's College** by **Sarmistha Deb** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

Rajni Khyriem at **St. Edmund's College** invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay.

Credits: 4 Score: 45.00%

May 2nd 2023

Prof. Kannan M Moudgalya
IIT Bombay

Credits for the Spoken Tutorial courses are based on our estimates of the work required to complete them. Recipient institutions are required to apply due diligence and get them ratified/modified by their own duly formed academic/assessment body. Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India.



Spoken Tutorial
Project at
IIT Bombay

Certificate for Completion of Python 3.4.3 Training

This is to certify that **YANGERMENLA IMCHEN** has successfully completed **Python 3.4.3** test organized at **St. Edmund's College** by **Sarmistha Deb** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

Rajni Khyriem at **St. Edmund's College** invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay.

Credits: 4 Score: 55.00%

May 2nd 2023

A handwritten signature in black ink, appearing to read 'Kannan Moudgalya'.

Prof. Kannan M Moudgalya
IIT Bombay

Credits for the Spoken Tutorial courses are based on our estimates of the work required to complete them. Recipient institutions are required to apply due diligence and get them ratified/modified by their own duly formed academic/assessment body. Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India.



Spoken Tutorial
Project at
IIT Bombay

Certificate for Completion of Python 3.4.3 Training

This is to certify that **AMIT SAHARIA** has successfully completed **Python 3.4.3** test organized at **St. Edmund's College** by **Sarmistha Deb** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

Rajni Khyriem at **St. Edmund's College** invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay.

Credits: 4 Score: 50.00%

May 2nd 2023

Prof. Kannan M Moudgalya
IIT Bombay

Credits for the Spoken Tutorial courses are based on our estimates of the work required to complete them. Recipient institutions are required to apply due diligence and get them ratified/modified by their own duly formed academic/assessment body. Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India.



Spoken Tutorial
Project at
IIT Bombay

Certificate for Completion of Python 3.4.3 Training

This is to certify that **TESSA BUHRIL** has successfully completed **Python 3.4.3** test organized at **St. Edmund's College** by **Sarmistha Deb** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

Rajni Khyriem at **St. Edmund's College** invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay.

Credits: 4 Score: 55.00%

May 2nd 2023

Prof. Kannan M Moudgalya
IIT Bombay

Credits for the Spoken Tutorial courses are based on our estimates of the work required to complete them. Recipient institutions are required to apply due diligence and get them ratified/modified by their own duly formed academic/assessment body. Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India.



Spoken Tutorial
Project at
IIT Bombay

Certificate for Completion of Python 3.4.3 Training

This is to certify that **MAHESH RAM** has successfully completed **Python 3.4.3** test organized at **St. Edmund's College** by **Sarmistha Deb** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

Rajni Khyriem at **St. Edmund's College** invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay.

Credits: 4 Score: 45.00%

May 2nd 2023

Prof. Kannan M Moudgalya
IIT Bombay

Credits for the Spoken Tutorial courses are based on our estimates of the work required to complete them. Recipient institutions are required to apply due diligence and get them ratified/modified by their own duly formed academic/assessment body. Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India.

Report on
"Spoken Tutorial - Biopython (for Bio-Chemistry)"

by the National Mission on Education
through Information and Communication Technology (ICT),
launched by Ministry of Education,
erstwhile Ministry of Human Resources and Development,
Government of India.

Title of the Course: “Spoken Tutorial – Biopython (for Bio-Chemistry)”

Total Contact Hours: 1 hour

Mode of Registration: Online

Date for Commencement of the Course: Nov. 9, 2022

Closing of the course: Nov 30, 2022.

Total No of Students Registered: 8 students

Course Coordinator: Ms. Sarmistha Deb.

Course Co-Coordinator: Ms. Rajni Khyriem.

Details of Students Enrolled for the Course.

SL. NO.	FIRST NAME	LAST NAME	EMAIL ID	DEPARTMENT	SEMESTER
1	SURAJ	SINGH	surajsingh96158@gmail.com	BIOCHEMISTRY	FIFTH
2	PRAGYA	MUKHERJEE	pragya20804@gmail.com	BIOCHEMISTRY	FIFTH
3	E MALVIN	LAMIN DUMAI	laminmalvin7759@gmail.com	BIOCHEMISTRY	FIFTH
4	JOHNSON	MYLLIEM	johnsonmyllem13@gmail.com	BIOCHEMISTRY	FIFTH
5	ZAHED	HUSSAIN	zahed3974@gmail.com	BIOCHEMISTRY	FIFTH
6	DAYSUN RAYNIER	D SHIRA	suchitrashira03@gmail.com	BIOCHEMISTRY	FIFTH
7	NISHITA	HAZARIKA	hazarikanishita01@gmail.com	BIOCHEMISTRY	FIFTH
8	SUDARSHANA	BORAH	sudarshanaborah2000@gmail.com	BIOCHEMISTRY	FIFTH

Details of the ONLINE TEST

SL. NO.	FIRST NAME	LAST NAME	PERCENTAGE
1	SURAJ	SINGH	16.0 %
2	PRAGYA	MUKHERJEE	<u>48.0%</u>
3	E MALVIN	LAMIN DUMAI	<u>60.0%</u>
4	JOHNSON	MYLLIEM	<u>56.0%</u>
5	ZAHED	HUSSAIN	24.0 %
6	DAYSUN RAYNIER	D SHIRA	<u>64.0%</u>
7	NISHITA	HAZARIKA	<u>40.0%</u>
8	SUDARSHANA	BORAH	<u>52.0%</u>

Report on
"Spoken Tutorial – Biopython (for Biotechnology BATCH 1)"

by the National Mission on Education
through Information and Communication Technology (ICT),
launched by Ministry of Education,
erstwhile Ministry of Human Resources and Development,
Government of India.

Title of the Course: “Spoken Tutorial – Biopython (for Biotechnology BATCH 1)”

Total Contact Hours: 1 hour

Mode of Registration: Online

Date for Commencement of the Course: April 18, 2023

Closing of the course: May 2, 2023.

Total No of Students Registered: 30 students

Course Coordinator: Ms. Sarmistha Deb.

Course Co-Coordinator: Ms. Rajni Khyriem.

Details of Students Enrolled for the Course.

SL. NO.	FIRST NAME	LAST NAME	EMAIL ID	DEPARTMENT	SEMESTER
1	REBECCA	MARBANIANG	rebeccamarbaniang21@gmail.com	BIOTECHNOLOGY	FIFTH
2	PYNBIANGLANG	DKHAR	adirajulia086@gmail.com	BIOTECHNOLOGY	FIFTH
3	MRIDUSHMITA	DAS	mridushmita28@gmail.com	BIOTECHNOLOGY	FIFTH
4	SANJIDA CHOWDHURY	REYA	sanjidachowdhuryreya@gmail.com	BIOTECHNOLOGY	FIFTH
5	JASMINE	SAWIAN	ajsawian03@gmail.com	BIOTECHNOLOGY	FIFTH
6	KHUSBOO	SHARMA	khusboosharma1707@gmail.com	BIOTECHNOLOGY	FIFTH
7	RAJDEEP	PAUL	rajdeeppaul94444@gmail.com	BIOTECHNOLOGY	FIFTH
8	MONICA JOLSHA	WARJRI	nica1lsashawarjri@gmail.com	BIOTECHNOLOGY	FIFTH
9	ASHAKIRAN D	RAI	sasharai270901@gmail.com	BIOTECHNOLOGY	FIFTH
10	ARBANYLLA	WAR	arbawar22@gmail.com	BIOTECHNOLOGY	FIFTH
11	CHANSIM	KASHUNG	chanshim1812@gmail.com	BIOTECHNOLOGY	FIFTH
12	ANKITA	HAZARIKA	ankitahazarika008@gmail.com	BIOTECHNOLOGY	FIFTH

Details of Students Enrolled for the Course.

SL. NO.	FIRST NAME	LAST NAME	EMAIL ID	DEPARTMENT	SEMESTER
13	SHIMRAN	SAIGAL	saigaldaniel1@gmail.com	BIOTECHNOLOGY	FIFTH
14	VANSHIKA	JASRASARIA	vanshikajasrasaria@gmail.com	BIOTECHNOLOGY	FIFTH
15	ANKIT	DASGUPTA	ankitdasgupta2002@gmail.com	BIOTECHNOLOGY	FIFTH
16	RODE	ISLARY	rodeislary@gmail.com	BIOTECHNOLOGY	FIFTH
17	SOUMYADEEP	BHATTACHARJEE	soumyadeepbhattacharjee.pvt@gmail.com	BIOTECHNOLOGY	FIFTH
18	SUSMITA	DAS	susmitadas0006@gmail.com	BIOTECHNOLOGY	FIFTH
19	NISHA KUMARI	RAY	nisharoy4900@gmail.com	BIOTECHNOLOGY	FIFTH
20	WILSON	SUTNGA	sutngawilson@gmail.com	BIOTECHNOLOGY	FIFTH
21	FRANKY	L NONGBRI	frank7zain@gmail.com	BIOTECHNOLOGY	FIFTH
22	LHINGJOUJAM	MISAO	lhingjoujamm@gmail.com	BIOTECHNOLOGY	FIFTH

Details of Students Enrolled for the Course.

SL. NO.	FIRST NAME	LAST NAME	EMAIL ID	DEPARTMENT	SEMESTER
23	JIPHILA ROIDILL	SHABONG	jiphilaroidill@gmail.com	BIOTECHNOLOGY	FIFTH
24	TRILOCHAN	DEBBARMA	debbarmatrilochan19@gmail.com	BIOTECHNOLOGY	FIFTH
25	PHIDARIKYNTI	THANGKHIEW	phidathangkhiew580@gmail.com	BIOTECHNOLOGY	FIFTH
26	LAVINIA	WARBAH	warbahlavinia87@gmail.com	BIOTECHNOLOGY	FIFTH
27	FULBERTSTAR	MAWKHIEW	mawkhiewfulbertstar@gmail.com	BIOTECHNOLOGY	FIFTH
28	RAHUL	SUNAR	rahulsunar2903@gmail.com	BIOTECHNOLOGY	FIFTH
29	LISIA	SINGPHO	lisiasingpho27@gmail.com	BIOTECHNOLOGY	FIFTH
30	DANI	MONYA	monyadani@gmail.com	BIOTECHNOLOGY	FIFTH

Details of the ONLINE TEST

SL. NO.	FIRST NAME	LAST NAME	PERCENTAGE
1	REBECCA	MARBANIANG	<u>64.0%</u>
2	PYNBIANGLANG	DKHAR	<u>60.0%</u>
3	MRIDUSHMITA	DAS	<u>64.0%</u>
4	SANJIDA CHOWDHURY	REYA	<u>60.0%</u>
5	JASMINE	SAWIAN	<u>48.0%</u>
6	KHUSBOO	SHARMA	<u>48.0%</u>
7	RAJDEEP	PAUL	32.0%
8	MONICA JOLSHA	WARJRI	<u>80.0%</u>
9	ASHAKIRAN D	RAI	<u>60.0%</u>
10	ARBANYLLA	WAR	<u>48.0%</u>
11	CHANSIM	KASHUNG	<u>48.0%</u>
12	ANKITA	HAZARIKA	<u>60.0%</u>

Details of the ONLINE TEST

SL. NO.	FIRST NAME	LAST NAME	PERCENTAGE
13	SHIMRAN	SAIGAL	ABSENT
14	VANSHIKA	JASRASARIA	<u>52.0%</u>
15	ANKIT	DASGUPTA	<u>64.0%</u>
16	RODE	ISLARY	36.0%
17	SOUMYADEEP	BHATTACHARJEE	<u>84.0%</u>
18	SUSMITA	DAS	<u>52.0%</u>
19	NISHA KUMARI	RAY	28.0%
20	WILSON	SUTNGA	24.0%
21	FRANKY	L NONGBRI	<u>52.0%</u>
22	LHINGJOUJAM	MISAO	<u>44.0%</u>

Details of the ONLINE TEST

SL. NO.	FIRST NAME	LAST NAME	PERCENTAGE
23	JIPHILA ROIDILL	SHABONG	<u>80.0%</u>
24	TRILOCHAN	DEBBARMA	<u>68.0%</u>
25	PHIDARIKYNTI	THANGKHIEW	<u>60.0%</u>
26	LAVINIA	WARBAH	<u>56.0%</u>
27	FULBERTSTAR	MAWKHIEW	<u>40.0%</u>
28	RAHUL	SUNAR	32.0%
29	LISIA	SINGPHO	<u>76.0%</u>
30	DANI	MONYA	<u>48.0%</u>

Report on
"Spoken Tutorial - Python 3.4.3 (for BCA)"

by the National Mission on Education
through Information and Communication Technology (ICT),
launched by Ministry of Education,
erstwhile Ministry of Human Resources and Development,
Government of India.

Title of the Course: “Spoken Tutorial – Python 3.4.3 (for BCA)”

Total Contact Hours: 7 hours

Mode of Registration: Online

Date for Commencement of the Course: Nov 15, 2022

Closing of the course: Dec 15, 2022.

Total No of Students Registered: 28 students

Course Coordinator: Ms. Sarmistha Deb.

Course Co-Coordinator: Ms. Rajni Khyriem.

Details of Students Enrolled for the Course.

SL. NO.	FIRST NAME	LAST NAME	EMAIL ID	DEPARTMENT	SEMESTER
1	ANKITA	SEN	ankitasen3002@gmail.com	BCA	THIRD
2	RAJAT	PRASAD	rajatprasad2622@gmail.com	BCA	THIRD
3	IZABERT	NONGDHAR	kkongorizabert@gmail.com	BCA	THIRD
4	ORESTAR JOHN	WANNIANG	johnfisherwanniang80@gmail.com	BCA	THIRD
5	SAGAR	THAKUR	sagarkr.thakur79@gmail.com	BCA	THIRD
6	LAPYNDAPBIANG	KHARUMNUID	alexkharumnuid30@gmail.com	BCA	THIRD
7	MELODY	NARZARY	melodynarzary4@gmail.com	BCA	THIRD
8	ANIMEGH	BORO	animeghb@gmail.com	BCA	THIRD
9	GRAFENBERG	LANGPEN	grafenaveiro@gmail.com	BCA	THIRD
10	ROHAN	YADAV	devishilla09@gmail.com	BCA	THIRD
11	KERRIMEKA	MAWROH	kerrimekamawroh@gmail.com	BCA	THIRD
12	IBALADAPBIANG	ROYWAN	ibaladapbiang00@gmail.com	BCA	THIRD

Details of Students Enrolled for the Course.

SL. NO.	FIRST NAME	LAST NAME	EMAIL ID	DEPARTMENT	SEMESTER
13	MIRACLE	RANI	miraclerani718@gmail.com	BCA	THIRD
14	JETHRO J ROY	JYRWA	jethrojyrwaroy@gmail.com	BCA	THIRD
15	TANUJA	UPADHAYA	tanujaupadhaya08@gmail.com	BCA	THIRD
16	LANCHENBA	WANGJAM	lanchenbawangjam94@gmail.com	BCA	THIRD
17	JANAK	R.	janakram140303@gmail.com	BCA	THIRD
18	YOU DALIN	MARBANIANG	marbaniangyoudalin@gmail.com	BCA	THIRD
19	SUBHANKAR	DEB ROY	subhankardebroy77@gmail.com	BCA	THIRD
20	BAPHINDAPBIANG	PATHAW	baphinpathaw@gmail.com	BCA	THIRD
21	RONIT KUMAR	SINGH	shanskar2019@gmail.com	BCA	THIRD
22	BANPYNBHALANG	KURBAH	banpynkurbah07@gmail.com	BCA	THIRD

Details of Students Enrolled for the Course.

SL. NO.	FIRST NAME	LAST NAME	EMAIL ID	DEPARTMENT	SEMESTER
23	AMARJIT	JHA	amarjeetjha04@gmail.com	BCA	THIRD
24	PRAHELIKA	DAS	prahelikadas0312@gmail.com	BCA	THIRD
25	RUSSEL	KHARBHIH	nunyabidnessfammm@gmail.com	BCA	THIRD
26	ADITYA	KUMAR	adityakumarshah608@gmail.com	BCA	THIRD
27	DEIMONMI	KYNDIAH	kyndiahdeimon753@gmail.com	BCA	THIRD
28	ASHISH	RAI	ashishray640@gmail.com	BCA	THIRD

Details of the ONLINE TEST

SL. NO.	FIRST NAME	LAST NAME	PERCENTAGE
1	ANKITA	SEN	30.0 %
2	RAJAT	PRASAD	10.0 %
3	IZABERT	NONGDHAR	26.0 %
4	ORESTAR JOHN	WANNIANG	<u>40.0%</u>
5	SAGAR	THAKUR	35.0 %
6	LAPYNDAPBIANG	KHARUMNUID	30.0 %
7	MELODY	NARZARY	<u>40.0%</u>
8	ANIMEGH	BORO	<u>70.0%</u>
9	GRAFENBERG	LANGPEN	<u>70.0%</u>
10	ROHAN	YADAV	10.0 %
11	KERRIMEKA	MAWROH	<u>58.0%</u>
12	IBALADAPBIANG	ROYWAN	<u>45.0%</u>

Details of the ONLINE TEST

SL. NO.	FIRST NAME	LAST NAME	PERCENTAGE
13	MIRACLE	RANI	26.0 %
14	JETHRO J ROY	JYRWA	<u>80.0%</u>
15	TANUJA	UPADHAYA	31.9 %
16	LANCHENBA	WANGJAM	<u>58.0%</u>
17	JANAK	R.	<u>70.0%</u>
18	YOU DALIN	MARBANIANG	<u>50.0%</u>
19	SUBHANKAR	DEB ROY	<u>65.0%</u>
20	BAPHINDAPBIANG	PATHAW	<u>45.0%</u>
21	RONIT KUMAR	SINGH	<u>55.0%</u>
22	BANPYNBHALANG	KURBAH	<u>55.0%</u>

Details of the ONLINE TEST

SL. NO.	FIRST NAME	LAST NAME	PERCENTAGE
23	AMARJIT	JHA	<u>56.0%</u>
24	PRAHELIKA	DAS	25.0%
25	RUSSEL	KHARBHIH	<u>60.0%</u>
26	ADITYA	KUMAR	<u>61.0%</u>
27	DEIMONMI	KYNDIAH	<u>45.0%</u>
28	ASHISH	RAI	<u>55.0%</u>



Spoken Tutorial
Project at
IIT Bombay

Certificate for Completion of Python 3.4.3 Training

This is to certify that **CALWYN SUCHIANG** has successfully completed **Python 3.4.3** test organized at **St. Edmund's College** by **Sarmistha Deb** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

Rajni Khyriem at **St. Edmund's College** invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay.

Credits: 4 Score: 45.00%

May 2nd 2023

Prof. Kannan M Moudgalya
IIT Bombay

Credits for the Spoken Tutorial courses are based on our estimates of the work required to complete them. Recipient institutions are required to apply due diligence and get them ratified/modified by their own duly formed academic/assessment body. Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India.



Spoken Tutorial
Project at
IIT Bombay

Certificate for Completion of Python 3.4.3 Training

This is to certify that **YANGERMENLA IMCHEN** has successfully completed **Python 3.4.3** test organized at **St. Edmund's College** by **Sarmistha Deb** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

Rajni Khyriem at **St. Edmund's College** invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay.

Credits: 4 Score: 55.00%

May 2nd 2023

A handwritten signature in black ink, appearing to read 'Kannan Moudgalya'.

Prof. Kannan M Moudgalya
IIT Bombay

Credits for the Spoken Tutorial courses are based on our estimates of the work required to complete them. Recipient institutions are required to apply due diligence and get them ratified/modified by their own duly formed academic/assessment body. Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India.



Spoken Tutorial
Project at
IIT Bombay

Certificate for Completion of Python 3.4.3 Training

This is to certify that **AMIT SAHARIA** has successfully completed **Python 3.4.3** test organized at **St. Edmund's College** by **Sarmistha Deb** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

Rajni Khyriem at **St. Edmund's College** invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay.

Credits: 4 Score: 50.00%

May 2nd 2023

Prof. Kannan M Moudgalya
IIT Bombay

Credits for the Spoken Tutorial courses are based on our estimates of the work required to complete them. Recipient institutions are required to apply due diligence and get them ratified/modified by their own duly formed academic/assessment body. Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India.



Spoken Tutorial
Project at
IIT Bombay

Certificate for Completion of Python 3.4.3 Training

This is to certify that **TESSA BUHRIL** has successfully completed **Python 3.4.3** test organized at **St. Edmund's College** by **Sarmistha Deb** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

Rajni Khyriem at **St. Edmund's College** invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay.

Credits: 4 Score: 55.00%

May 2nd 2023

Prof. Kannan M Moudgalya
IIT Bombay

Credits for the Spoken Tutorial courses are based on our estimates of the work required to complete them. Recipient institutions are required to apply due diligence and get them ratified/modified by their own duly formed academic/assessment body. Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India.



Spoken Tutorial
Project at
IIT Bombay

Certificate for Completion of Python 3.4.3 Training

This is to certify that **MAHESH RAM** has successfully completed **Python 3.4.3** test organized at **St. Edmund's College** by **Sarmistha Deb** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

Rajni Khyriem at **St. Edmund's College** invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay.

Credits: 4 Score: 45.00%

May 2nd 2023

Prof. Kannan M Moudgalya
IIT Bombay

Credits for the Spoken Tutorial courses are based on our estimates of the work required to complete them. Recipient institutions are required to apply due diligence and get them ratified/modified by their own duly formed academic/assessment body. Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India.

Field Work Enhancement through Digital Learning Tools

Value Added Course Report

Offered by the Department of Social Work (PG)



St Edmund's College, Shillong.



Value Added Course
Department of Social Work (PG)
St. Edmund's College, Shillong

Title	Field Work Enhancement through Digital Learning Tools
Date	28 th October – 3 rd November 2021
Time	4:00 PM
Batch	MSW 1 st & 3 rd Semesters

Introduction

It has been two years since the outbreak of the Covid-19 Pandemic which has affected many countries of the world in many ways. It has indiscriminately affected many sectors of the society cutting across various stratifications. It has affected social relationship, forced unemployment, forced change in labour, affected mental health, scarcity in resources and affected social adjustment and adaptation. As a result of this a new approach in the service sector and the education sector was adopted to adapt during the Pandemic. The work from home or the online learning became the new normal for many. The COVID-19 crisis has affected even the educational system has been severely. However, due to modern technology, educational institutions began to offer online courses as an alternative to classroom instruction.

In the context of social work education and other disciplines, the new normal of attending online education did not suffice as the course was practical oriented. Since the outbreak of the Covid-19 Pandemic throughout the globe practical and field based oriented disciplines like social work has been severely affected. In the context of social work education, theoretical knowledge and learning has to be supplemented with fieldwork.

About the Value-Added Course

In view of the current situation the management of St. Edmund's college has asked various departments to conduct a value-added course for the students to supplement their online learning. The Department of Social Work (MSW), St. Edmund's college has undertaken the task in conducting value added course on "Field Work Enhancement through Digital Learning Tools". The course content was Creating Infographics, Introduction to Google Forms and Step by Step Approach to SPSS (Statistical Package for Social Science). The main aim of the course is to benefit the students in enhancing their skills and knowledge that would be productive in their future career.

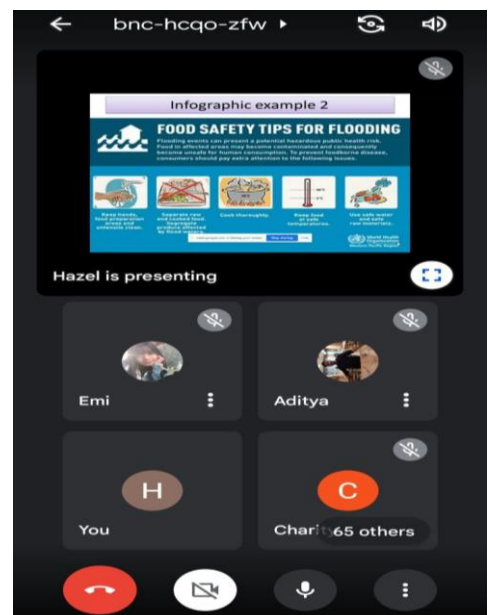
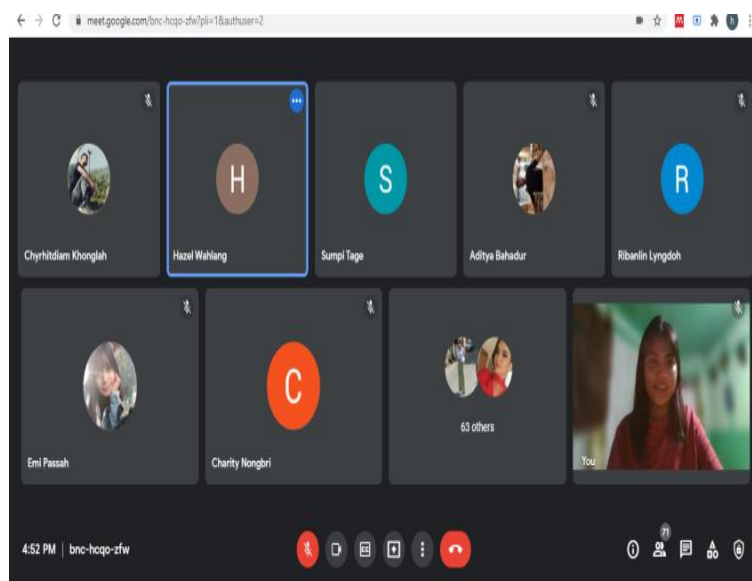
Objective of the Value Added Course

- To capacitate students with skills on utilizing Google Forms.
- To promote remote survey studies and research amongst the student community.
- To enhance awareness creation skills by utilizing posters and infographics.
- To enhance data analytical skills amongst the students by using SPSS.

Topic 1: Creating Infographic for Social Work

Date: 28th October 2021

The session on "Creating Infographic for Social Work" was taken by Ms. Hazel Berret Wahlang, Field Work Coordinator, Department of Social Work-PG, St. Edmund's College, Shillong.

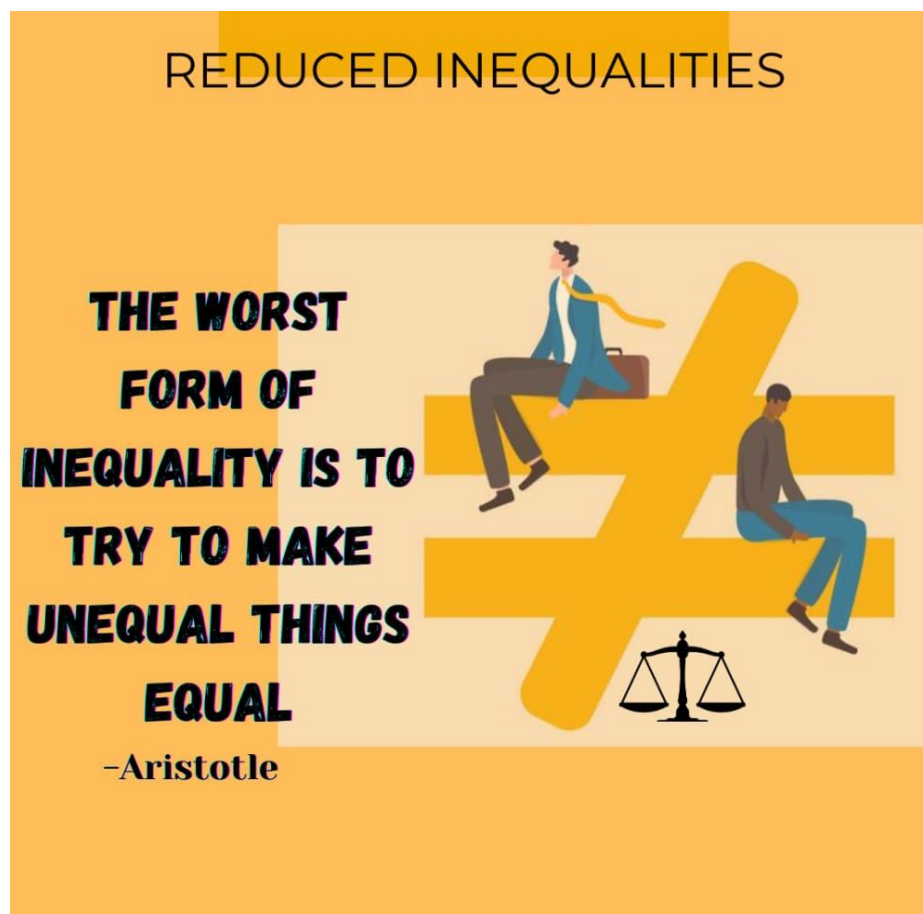


The Session highlighted on the important of infographics, the strategic steps to create the same. She also gave the students few tips to consider while developing effective event poster. The students were also introduced to a graphic design platform named 'Canva (Collaborate & Create Amazing Graphic Design for Free)' and together explored the features of this platform and the steps to access the different designing features that are available.

Learning Outcome:

- The students enhances their creativity skills by using infographics and posters for fieldwork
- The students learnt to use infographics for creating awareness on different issues.
- The students learnt poster making for propagating important events using Powerpoint Presentation and the Graphic Design Platfom "Canva".

Sample Infographics done by MSW students:



Done by Mr. Wanpynhun Nongpluh, 3rd Semester, MSW

Suicide

Protective factors
against suicide



77% of global suicides occurred in low and middle income countries.
7,00,000 people die due to suicide every year.

Suicide is preventable.
By thinking beyond treatment alone to strategies that address the context and underlying factors, we can prevent suicide risk in the first place



Protective factors:

1. Feeling connected to family, community and social networks.
2. Strong problem solving skills.
3. Positive self image.
4. Spiritual life/faith.
5. Strong peer support system.
6. Involvement in hobbies or activities.
7. Community Connectedness.
8. Access to treatment.

Topic 2: Google Forms

Date: 29th & 30th October 2021

The session on “Google Forms” was taken by Dr. Wandaia Syngkon, Assistant Professor, St Edmund’s College- Post Graduate (MSW).

The web user population has been increasing day by day and has become the primary medium for identifying and accessing information. The presence of a huge population on the web has made web-based survey tools an important mode of data collection for research and thus became the most widely used data gathering method. On the **29th & 30th October 2021**, a Value-Added Course on “Google Forms” was conducted by the Department of Social Work; Post Graduate to introduce the students to one of the commonly used web-based survey tools i.e. Google Forms.

Google Form is one of the web-based survey tools for data collection and analysis. It is a research tool that was used by many Scholars way back before the pandemic. But this tool has become more commonly used by scholars or researchers during this pandemic as scholars can reach out to the public without any physical contact and it is also less time-consuming.

The advantage of Google Form has come in handy in designing, developing and obtaining users’ responses in a simpler way. It had an upper hand regarding response speed, costs, and response rate. With this tool, scholars can reach out to the public or target participants on a large scale by just sharing the link on their various social media platforms.

Objectives of the value-added course on Google Forms:

- To capacitate students with skills on utilizing Google Forms.
- To promote remote survey studies amongst the student community.

59 (fifty-nine) MSW 1st & 3rd Semesters students had participated in the value-added course on “Google Forms”. The students’ participants were taught how a web-based survey can be designed and developed for data collection by using Google Forms.

The 7 steps on how to use Google Form were discussed with the students’ participants along with practical sessions.

Step 1: Setting up a Google drive account

Step 2: Creating survey form

Step 3: Organizing Google form

Step 4: Publishing your survey form

Step 5: Collecting response

Step 6: Copying & pasting your graphic presentation

Step 7: Analyzing the responses

STUDENTS PARTICIPANTS KEY TAKEAWAY FROM THE VALUE ADDED COURSE ON GOOGLE FORMS

How to make untitled form

Know to create Google form

New knowledge on making Google form

I got to learn many new things.

The vast features of Google form

Very good to create surveys for events or programme

It is very informative and it helps me a lot on how to create Google forms for my future need.

We were taught how to create various forms which is the first time for me to learn about it.

Getting to know how to use Google drive better

STUDENTS SUGGESTIONS/ COMMENTS

It's a very successful and helpful session.

It's a really good initiative that the college is giving us value-added courses that would help us in the future

Looking forward to learning more

Very informative

Please make like this session it help us to learn new things

I'm happy i can learn new things

Would be great if we had such sessions in the offline mode

It was a very helpful session because I get to learn new things moreover it will help us to improve more

I'm happy that I can join the session it is a very good

I acknowledge the department for organizing such sessions especially during the current pandemic situation where we try to conduct everything online

It's an amazing interaction

Need more class regarding this session

The session was very helpful to me as everything is new to me. It will be useful for me later when I need to create a Google form.

Looking forward to more things to learn

I am really glad to be part of this seminar where almost everything had been new to me which would

It was a good experience

Topic 3: Step by Step Approach to SPSS

Date: 1st and 3rd November 2021

The session on the 'Step by Step Approach to SPSS (Statistical Package for Social Science)' which was conducted by Mr. Martius Rynjah, Asst. Professor, Department of Social Work (MSW), St. Edmund's college. The Course was conducted on the 1st and 3rd November, 2021.

Basic Components of a Research

- TITLE OF THE RESEARCH OR STUDY
- RESEARCH QUESTIONS
- OBJECTIVES
- REVIEW OF LITERATURE
- HYPOTHESIS
- METHODOLOGY
- DATA COLLECTION
- DATA PROCESSING
- DATA ANALYSIS
- FINDINGS

On the 1st November, 2021 the course covered was more of a theoretical background to help the students understand the importance of research and how SPSS can supplement while conducting social research. During the session on the 1st November, 2021 various components of a research was explained to understand the relation of these components. Furthermore, a lecture was

delivered to help in understanding the importance of research objectives, hypotheses and data for using SPSS software for the analysis.

On the 2nd November, 2021 a sample survey using google forms was shared with the students to help the students understand data and variables. The data from the google form was extracted in a spreadsheet and transferred to SPSS. In the early

session of the second day, the students were being taught about the variables in a research and to understand the importance of variables in relation to the objectives for data analysis. Next, the

UNIVARIATE DATA ANALYSIS

● Univariate Analysis

↓ Description

To describe profile and Independent Variables

● Descriptive Statistics

Percentages, ratio, proportion
Mean, Mode, Median, Standard Deviation

CROSSTABLES

- From menu, choose :

Analyse



Descriptive Statistics



Frequencies

Descriptives

Crosstab

Click **Crosstab**.

students were introduced to SPSS and its applications. Using the data from the sample survey the students were demonstrated how to enter and code the data in the variable view window of the SPSS software. Then the students were also taught to conduct univariate and bivariate analysis. In the

univariate analysis the students were taught how to analyze single variable eg., age, gender, educational qualification by using simple statistical test. In the bivariate analysis the students were taught about independent and dependent variable using cross-tabulation. The concept of hypotheses and how to test a hypothesis using Chi-square test and test of correlations. The students were also taught how to interpret and bring inferences of a particular statistical operations.

Conclusion

Students enhanced their skills in conducting web-based surveys, developing infographics, and developing research analytical skills with the aid of digital learning tools like Basics of Google Form, Canva, and SPSS. These skills will improve the students' field work performance as well as their research skills. By learning about Creation of Infographics in Social Work, the students were able to use their creative and critical thinking skills to bring important information to life and they can utilize this skill to bring social transformation in the society.

By learning the Basics of Google Form, the students will be equipped to conduct web-based surveys for their learning purposes. With this skill, the students will have the advantage to reach out to the public on a large scale for their online studies by just sharing the form link via their social media pages. It is also economical as students do not have to spend on printing the form, and travelling expenses. This course is much needed especially during this pandemic time because students can reach out to the public without any physical contact and it is also less time-consuming.

Research is very important in social work practice as it contributes in understanding a problem and helps in formulating strategies to address the problem or issue which is the core focus of social work as a helping profession. Working with SPSS enables the students to explore the statistical tools that can be used to analyze and interpret the data, which is a very important task for any researcher. It is important to have this course during a pandemic because students can engage with the public without physical contact and thus save time. The course was both theoretical and technical in nature in understanding research and applying SPSS software statistical applications in social research. The course will enable the students to understand the important components of a research and how to use SPSS to analyze the data while conducting social research. The students will be able to enter variables, coding the variables use the data for


univariate and bivariate analysis while engaging in surveys or studies during their fieldwork. The limitation during the course was most of the students do not have a laptop for the technical session as SPSS can only be operated on the desktop or laptop.

Documented by:
Ms. Hazel Berret Wahlang
Dr. Wandaia Syngkon
Mr. Martius Rynjah

Value Added Course
Offered by-Department of Social Work (PG)



Field Work Enhancement Through Digital Learning Tools



28th October – 3rd November 2021

Topics:

1. Creating Infographics
2. Introduction to Google Forms
3. Step by Step Approach to SPSS–Statistical Package for the Social Sciences

Participants: Students of Masters of Social Work

St. Edmund's College-Shillong

E-Poster of the Value Added Course