

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	arjitas507@gmail.com	Biotechnolog y	6th Semester	09089423737
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Tapunishtha Borah	tapunishthaborah@gmail.com	Biotechnology	2nd Semester	6913808706
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KC Vanlalzari	kaceyzar@gmail.com	biotechnology	6th	8132926090

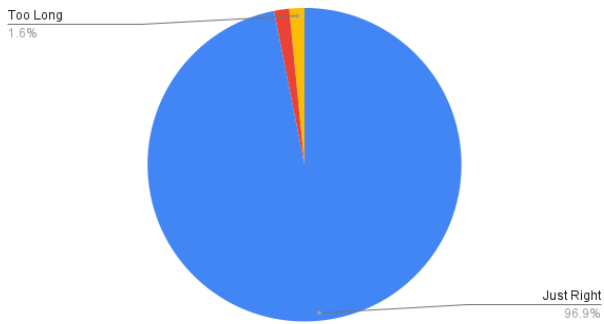
		y	Semester	
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Scoresheet:

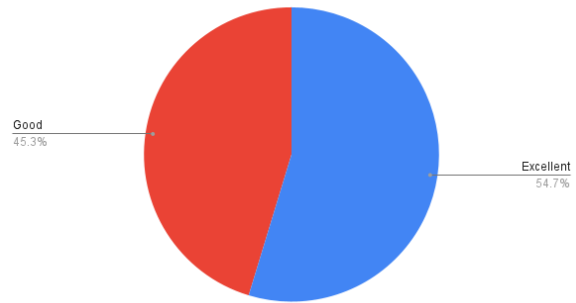
Name	Email	Department	Semester	Marks Scored (%)	Grade
Arjit Kumar Das	arjitdas507@gmail.com	Biotechnology	6th Semester	80	A
Arbanylla War	warbanylla@gmail.com	Biotechnology	2nd Semester	74	B+
Nisha kumari ray	Nisharoy4900@gmail.com	Biotechnology	2nd Semester	59	C+
M.LHINGNEIVAH HAOKIP	gracehaokip80@gmail.com	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
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Kimkimchi M Momin	kimkimchichichi00@gmail.com	Biotechnology	2nd Semester	67	B
Linda Zairemmawii	lindazairemmawii@gmail.com	Biotechnology	2nd Semester	37	F
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ANKITA SAIKIA	Popisaikia1947@gmail.com	Biotechnology	6th Semester	85	A

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Dani Monya	monyadani@gmail.Com	Biotechnology	2nd Semester	83	A
Jiphila Roidill Shabong	Jiphilaroidill@gmail.com	Biotechnology	2nd Semester	76	B+
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uranim kc shaiza	uranimshaiza@gmail.com	biotechnology	2nd Semester	47	C
Nairity Goswami	goswaminairity@gmail.com	BIOTECHNOLOGY	2nd Semester	84	A
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Darshana Sarma	darshana.sarma0201@gmail.com	Biotechnology	6th Semester	80	A
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Lalnunmawia	Inmawiahlawndo30@gmail.com	Biotechnology	6th Semester	88	A
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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

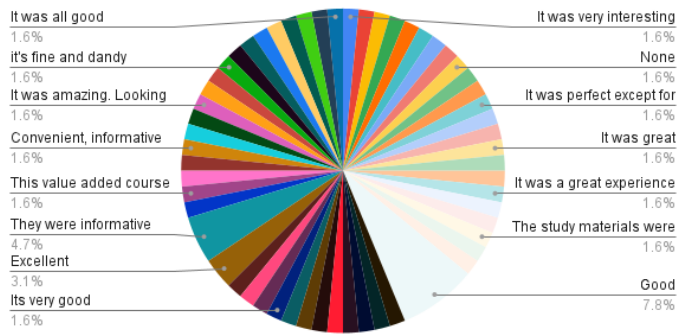
Duration of the Course



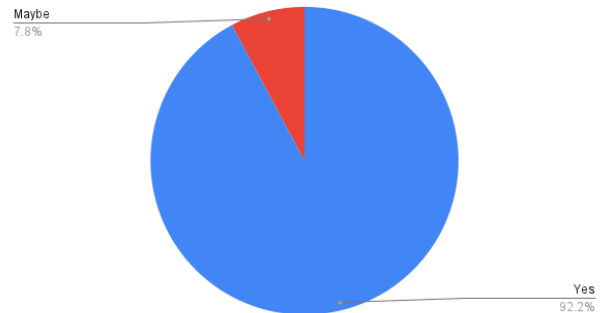
Count of Content of Course



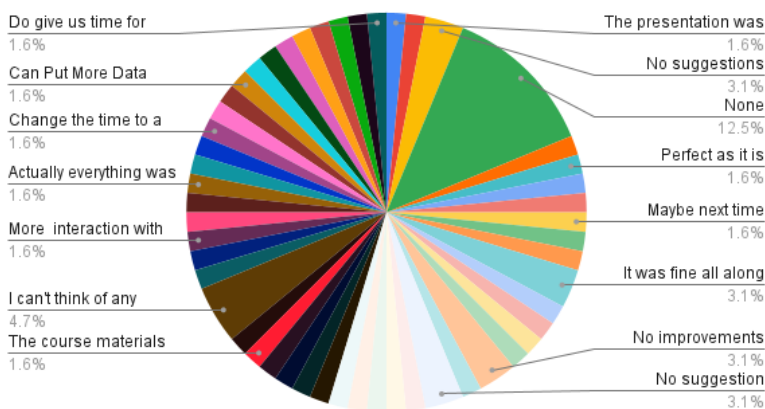
Count of Your opinion of the study material/videos/practical demonstrations



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:
kobjohn77@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%