



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

REPORT ON THE ACTIVITY CONDUCTED BY THE DEPARTMENT 2020-21

[1st April 2020 to 30th July, 2021]

WORKSHOP

1. **NAME OF THE DEPARTMENT** Biotechnology
2. **TITLE OF THE PROGRAMME:** Virtual Workshop on Biotechnology – Tools & Techniques
3. **NAME OF THE RESOURCE PERSON:** Dr Samrat Adhikari, Dept of Biotechnology, St. Edmund's College
Dr Sunil Sharma, RA, Advanced Level Biotech Hub, St. Edmund's College
Mr Yogesh Negi, PhD Scholar, BIT-Goa
Ms Ninni Sutradhar, PhD Scholar, CFTRI, Mysore
4. **NAME OF THE ORGANIZING FACULTY:** Dr Samrat Adhikari, Dept of Biotechnology, St. Edmund's College
5. **DATE:** 4th – 6th August, 2020
6. **TIME:** 10:00 AM to 02:00 PM
7. **VENUE (IF OFFLINE):** -
8. **MODE:** Online
9. **PLATFORM** Zoom Communications Ltd
10. **LINK (if online):** Meeting ID: 783 6618 6725
Passcode: biotech
<https://us04web.zoom.us/j/78366186725?pwd=SVdKczdxVXdmcXZlR0p3Y5amNzdUNTdz09>
11. **NO OF PARTICIPANTS** **TEACHERS:** NA **STUDENTS:** 38
12. **OUTCOME OF THE PROGRAMME** The workshop was conducted for 3 days with a good response from the students. The techniques covered were DNA isolation, plasmid isolation virtually, bioinformatics tools like sequence alignment, BLAST, etc were performed by students virtually. The students gave modest feedback with suggestion for increasing the days and to cover more methodologies used | research.

(Signature of the Organizing faculty)

(Signature of the Head)



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WORKSHOP

1. NAME OF THE DEPARTMENT: Biotechnology
2. TITLE OF THE PROGRAMME: Virtual Workshop on Professional development of School teachers
3. NAME OF THE RESOURCE PERSON: Prof M Chakravarty
Vice Principal, St. Edmund's College
Shillong

Dr Binoyargha Dam
Post Doc, IIT, Guwahati
Assam
4. NAME OF THE ORGANIZING FACULTY: Ms Shekinah Challam, Dept of Biotechnology, St. Edmund's College
5. DATE: 16th October 2020
6. TIME: 10:00 AM – 3:00 PM
7. VENUE (IF OFFLINE): -
8. MODE: Online
9. PLATFORM: Zoom Communications Ltd
10. LINK (if online):

<https://us02web.zoom.us/j/87541443301?pwd=QVBGSkZaYVVRb3ZaM2VoN2ZZWZDKUT09>

Meeting ID: 875 4144 3301

Passcode: 259944

- 11 NO OF PARTICIPANTS: TEACHERS: 43 STUDENTS: NA
- 12 OUTCOME OF THE PROGRAMME

At the end of the workshop, the teachers were better equipped and made aware of online teaching skills that will help improve student performance and achievements

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WEBINAR/SEMINARS

1. **NAME OF THE DEPARTMENT** Biotechnology
2. **TITLE OF THE PROGRAMME:** Webinar on Industrial Biotechnology: Scopes & Aspirations
3. **NAME OF THE RESOURCE PERSON:** Dr Manash Deep Dey (Alumni)
Scientific Officer
Palamur Biosciences,
Telangana
4. **NAME OF THE ORGANIZING FACULTY:** Ms Baiakmenlang Manners, Dept of Biotechnology, St. Edmund's College
5. **DATE:** 16th September 2020
6. **TIME:** 14:30 hrs
7. **VENUE (IF OFFLINE):** -
8. **MODE:** Online
9. **PLATFORM** Zoom Communications Ltd
10. **LINK (if online):** <https://us02web.zoom.us/j/84846187330?pwd=K3FIZDNrUXRzUGFVNVRSR3lyV0hLUT09>
Meeting ID: 848 4618 7330
Passcode: 693195
11. **NO OF PARTICIPANTS** **TEACHERS:** 15 **STUDENTS:** 78
12. **OUTCOME OF THE PROGRAMME**

The resource person emphasize on the application of industrial biotechnology in contacts to Indian economy and its market potential. he also asserted that the application of microbes in industrial microbiology could be used as an innovative tool for discovery of new product base but for the society. the response of this program among the student community was immense as they could next explore themselves for their career in industries.

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WEBINAR/SEMINARS

1. NAME OF THE DEPARTMENT: Biotechnology
2. TITLE OF THE PROGRAMME: Real time Resilience in Covid Times
3. NAME OF THE RESOURCE PERSON: Ms Naphisabet Kharsati
Clinical Psychologist
SANKER, Meghalaya
4. NAME OF THE ORGANIZING FACULTY: Ms Shekinah Challam, Dept of Biotechnology, St. Edmund's College
5. DATE: 28th June, 2021
6. TIME: 14:30 hrs
7. VENUE (IF OFFLINE): -
8. MODE: Online
9. PLATFORM: Zoom Communications Ltd
10. LINK (if online): <https://us02web.zoom.us/j/81889357072?pwd=WVlsZ2lBaGZqa0NTVkhNlXQvTEp2Zz09>

Meeting ID: 818 8935 7072

Passcode: 164547

11 NO OF PARTICIPANTS

TEACHERS: 08

STUDENTS: 70

12 OUTCOME OF THE PROGRAMME

the webinar focus mostly on the psychological behaviour of students during this pandemic situation and there mindset. The resource person has given a detail paradigm of various psychological tools for dealing with the behavioural change in context to students during the pandemic times. the winner was a good learning experience for students word they have also completed survey

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WEBINAR/SEMINARS

1. NAME OF THE DEPARTMENT: Biotechnology
2. TITLE OF THE PROGRAMME: Career Opportunities in Biotechnology
3. NAME OF THE RESOURCE PERSON: Dr Manash Deep Dey (Alumni)
Scientific Officer
Palamur Biosciences,
Telangana
4. NAME OF THE ORGANIZING FACULTY: Ms Baiakmenlang Manners, Dept of Biotechnology
5. DATE: 3rd October, 2020
6. TIME: 13:00 hrs
7. VENUE (IF OFFLINE): -
8. MODE: Online
9. PLATFORM: Zoom Communications Ltd
10. LINK (if online): Join Zoom Meeting
<https://us02web.zoom.us/j/86415567332?pwd=b3BPMGhVSUxmcTQ5bkJ0alpFejdCQT09>
Meeting ID: 864 1556 7332
Passcode: 405449

11 NO OF PARTICIPANTS

TEACHERS: 12

STUDENTS: 80

12 OUTCOME OF THE PROGRAMME

The webinar on the job opportunities in the biotechnology sector in context to Indian market. resource person have commented on various avenues in biotechnology sector ranging from research and development, product development, marketing start-ups, validation scientist and entrepreneurship project. the program was a huge success among the students fraternity and the students insisted to organise search programs once in a year inside which will motivate them to pursue a career in biotechnology.

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WEBINAR/SEMINARS

1. **NAME OF THE DEPARTMENT** Biotechnology & Chemistry
2. **TITLE OF THE PROGRAMME:** Role of Digital Cloud Model in delivering Education during Pandemic & Beyond
3. **NAME OF THE RESOURCE PERSON:** Mr Kamal Nath
CEO, Sify Technologies Ltd, India
4. **NAME OF THE ORGANIZING FACULTY:** Dr Samrat Adhikari, Dept of Biotechnology
&
Prof Sumit Deb, Dept of Chemistry
5. **DATE:** 15th September, 2020
6. **TIME:** 14:30 hrs
7. **VENUE (IF OFFLINE):** -
8. **MODE:** Online
9. **PLATFORM** Zoom Communications Ltd
10. **LINK (if online):** Join Zoom Meeting
<https://us02web.zoom.us/j/82202893344?pwd=S3BDdVVCQUtuNOlZT201b1ZTeE9mQT09>
Meeting ID: 822 0289 3344
Passcode: 2500447
11. **NO OF PARTICIPANTS** **TEACHERS:** 30 **STUDENTS:** 69
12. **OUTCOME OF THE PROGRAMME**

The speaker focussed on the role of cloud education during the pandemic and its impact on the students. The advent of cloud technology has accelerated the education field during the pandemic and also beyond the pandemic.

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WEBINAR/SEMINARS

1. NAME OF THE DEPARTMENT
Biotechnology & Chemistry
2. TITLE OF THE PROGRAMME:
Next Gen Covid Vaccine with receptor Binding Domain- Smart Plug and play for Future Variants & why some probes do not light up in multiplex RT PCR
3. NAME OF THE RESOURCE PERSON:
Dr Debayan Ghosh,
Founder & President
Epygen Biotech Ltd. Dubai
4. NAME OF THE ORGANIZING FACULTY:
Dr Samrat Adhikari, Dept of Biotechnology
&
Prof Sumit Deb, Dept of Chemistry
5. DATE:
22nd August, 2020
6. TIME:
16:30 hrs
7. VENUE (IF OFFLINE):
-
8. MODE:
Online
9. PLATFORM
Zoom Communications Ltd
10. LINK (if online):
Zoom Link
<https://us02web.zoom.us/j/81218634329?pwd=dU44RENFU1N Pbm9Ea2dUOTFkZkZUUT09>
Meeting ID: 812 1863 4329
Passcode: 2500447
11. NO OF PARTICIPANTS
TEACHERS: 9 STUDENTS: 90
12. OUTCOME OF THE PROGRAMME
The Resource Person, being a scientist having more than 25 years of scientific knowledge, deliberated on the recent RT-PCR test kits developed to detect the presence of Coronavirus and its multiple different strains. He also highlighted a need to develop more test kits to detect Covid positive patients and its conservative treatment to restrict the impact of COVID-19 globally.

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