

PG AND RESEARCH DEPARTMENT OF BIOTECHNOLOGY

Student activities (2019-2020)

S. No	Programme title/company name	Duration
1	Abbes Biotech, Coimbatore	25-04-2019 to 10-05-2019 (15 days)
2	Advanced Molecular Techniques	01-07-2019 to 02-07-2019
3	Model presentation exhibited by the students of II BSc	09-07-2019
4	Model presentation exhibited by the students of III BSc	18-07-2020
5	Workshop on commercial mushroom cultivation -a hands-on training	21-08-2019
6	CODISSIA: National Science and Technology Fair 2019	29-08-2019 to 31-08-2019
7	Model presentation exhibited by the students of I BSc	06-09-2020
7	Bioinstrumentation and Molecular Techniques	09-09-2019
8	DBT STAR College One Day Workshop on Plant Tissue Culture	23-09-2019
9	DBT STAR College One Day Workshop on Plant Tissue Culture	12-10-2019
10	DBT Sponsored One day Entrepreneurial Guidance Workshop on “Vermicomposting”	03-10-2019
11	Abbes Biotech, Coimbatore	21-11-2019 to 30-11-2019 (15 days)
12	Centre for Bioscience and Nanoscience Research, Coimbatore	21-11-2019 to 05-12-2019 (15 days)
13	Two Days Hands-On Training On ‘R’ Programming	11-12-2019 to 12-12-2019
14	DBT star college sponsored Hands- on training on “Basics tools in Bioinformatics	18-12-2019
15	Centre for Bioscience and Nanoscience Research, Coimbatore	08-01-2020 to 22-01-2020 (15 days)
16	Medical Coding Training by Meditech Solution	27-01-2020 to 30-03-2020
17	Intellectual Property Rights (IPR)	21-02-2020
18	Chromatographic Techniques	26-02-2020
19	Immunological Techniques-Complement Fixation Test	27-02-2020
20	National Science day on Women in science	28-02-2020

The Department Organized a **DBT Star College sponsored workshop on “Advanced Molecular Techniques** “exclusively for II BSc Biotechnology students in the department on **01th& 02nd July 2019**. Chief Guest: **Dr. V. Saravana perumal, Director, ABBES Biotech Private Limited,**

Chennai, handled the hands-on training on ‘**Protein fingerprinting**’ during the first day of the workshop. On second day, he handled session on ‘**RAPD & RFLP**’ Techniques. The chief Dr. V. Saravana perumal presented certificates to participants.



Dr. V. Saravana perumal, Director, ABBES Biotech Private Limited, Chennai, handling the hands-on training to II BSc students

The Department Organized a “**Model Presentation**” for all the **UG course students** in the Department adjudicated by faculty members from other Department.



Dr. Manivannan fetching view on showcased model presentation prepared by III BSc students



Dr. Vanitha, Assistant professor, Department of Microbiology, conducted to adjudicate the presentation

The Department in association with Microbiology and Electronics, Hindusthan College of Arts and Science Organized a **Workshop on Commercial Mushroom Cultivation -A Hands-On Training** in the College Premises on **21st August 2019**. The programme was convened by **Mrs. Brindha G, Assistant Professor, Department of Biotechnology** and coordinated by **Mr. Vikraman A and Vijiya Kumar G** and governing body, members, and volunteers. The programme began with a prayer song followed by **Ms. Krishna P Nair** addressed the participants and gathering by welcoming them. **Ms. Smrithi S** Introduced the Chief Guest **Mr. P Aruchamy**, Proprietor, Silver Star Mushroom, Pollachi.

The Chief Guest conducted Hands-on Training for the participants, the later was recognized with certificate by the former. The programme was marked with an end by vote of thanks from **Mr. Mahalingam A.** Students and enthusiasts from other departments, and colleges took part and learnt the techniques effectively to suit themselves an entrepreneur in the society. The department and the funding organization, **Hindusthan College of arts and sciences** helped the participants to facilitate themselves to become a professional and in return participants had shown gratitude.



Chief Guest and Organizing Team in the portrait with respective lecture and hands-on session

The Department Organized ‘**Bioinstrumentation and Molecular Techniques**’ in the department on **09th September 2019**. There are 15 students of **Government college of Coimbatore**, Coimbatore came down all the way in order to enthral academically accompanied by two faculty from the college. **Dr. G. Rajalakshmi**, Head, Department of Biotechnology, aspired them by imparting a contemporary scientific learning tool to serve such as ‘**Molecular Markers**’ and **Dr. Mohammed RafiqKhan K**, Assistant Professor, Department of biotechnology equipped with ‘**Bio instrumentation**’ working principles, application employed in various fields in biotechnology.



Dr. G. Rajalakshmi and Dr. Mohammed RafiqKhan K charged on hands-on training

The Department Organized a “**DBT STAR College One Day Workshop on Plant Tissue Culture**” for **III BSc students** of PG and Research Department of Microbiology in the department on **23rd September 2019**. **Dr. G. Rajalakshmi**, Head, Department of Biotechnology inaugurated the presentation, **Dr. S. Komathi**, **Dr. P. Senthil kumar**, Associate professor, and **Dr. Mohammad Rafiqkhan R.** Assistant Professor Department of Biotechnology conducted workshop to explore various aspects of plant tissue culture for about an hour following which hands-on training was held. Students enjoyed it thoroughly inquired more on it to sharpen themselves in plant tissue culture. 60 participants were gathered to learn the techniques



Dr. P. Senthil kumar, Associate Professor performing plant tissue methodology to the students

The Department Organized a **“One Day Workshop on vermicomposting”** for III UG students of BSc Information Technology, and Computer science on 03rd October 2019. **Dr. G. Rajalakshmi, Head, Department of Biotechnology** inaugurated the presentation, **Dr. S. S. Antony Godson, Ms. J. Niranjana**, Assistant professor, of Department of Biotechnology conducted workshop to explore various aspects of vermicomposting process, and how to become a successful entrepreneur in organic farming, and guided them about various available loans for about two hours following which demonstrated and exhibited various key understanding regarding vermicomposting was held. Students enjoyed it thoroughly inquired more on it to sharpen themselves in plant tissue culture. 31 participants were gathered to learn the techniques



Dr. S. G. Antony Godson and Ms. J. Niranjana conducting methodology on vermicomposting process and delivering lecture to the students

The Department in association with VJ Biotech, Coimbatore, organized two days **‘Hands-on Training on ‘R’ Programming’** for IMSc students from 11-12-2019 to 12-12-2019. **Dr. S. Suganya**, Assistant Professor of Statistics, PSG College of Arts and Science, Coimbatore, conducted the workshop. The vote of thanks was delivered by Dr. P. Senthilkumar, Associate Professor, Department of Biotechnology. There were 31 Students of IMSc and Faculty members participated in the workshop.



The chief guest and organizing committee posing at the time of certificate distribution

The Department organized a **DBT star college sponsored Hands- on training on “Basis tools in Bioinformatics”**. The students of **III UG, PG and Research Department of Biotechnology** took part in the training undertaken by **Dr. Shanthipriya, Assistant Professor, Department of Microbiology and Bioinformatics, CMS College of Science and Commerce, Coimbatore** on 18th December 2019. **Mrs. Sarasuwathy Khannaiyann, Managing Trustee, Hindusthan Educational and Charitable Trust** and **Dr. Priya Satishprabu, Executive Trustee and Secretary, Hindusthan Educational and Charitable Trust** felicitated the programme. Presidential Address was delivered by **Dr. A. Ponnusamy, Principal of the College**. **Dr. G. Rajalakshmi, Head, Department of Biotechnology**, welcomed the gathering. As the part of the I session of the training programme Dr. Shanthipriya gave a presentation about the various bioinformatics tools that are free- accessible and the students were made to understand the basics and usages of those tools through hands-on training at the II session. At the end of the training programme, certificates were distributed to the students. Over 60 students participated in the event.



III UG students with **Dr. Shanthipriya**, during group photo session and certificate distribution.

The Department organized Training Programme on Medical Coding in association with **Meditech Solution**, Coimbatore as value added course for III BSc students **27-01-2020 till 27-02-2020**. **Mrs. Sangeetha, Human anatomy Trainer, Mr. Vignesh, co-partner, Mr. Balaji, Soft skill trainer, Meditech solution, Coimbatore** are scheduled to train the students towards placement opportunities available through campus interview.



Mr. Balaji, Soft skill trainer, Meditech solution, Coimbatore gave away training

A one-day state level workshop was conducted on the topic **“Intellectual Property Rights (IPR)”** on **21st February 2020** by the Department. Students from many colleges in Tamilnadu attended the workshop. The program planned as two sessions was conducted by **Mrs. Bindu Sharma**, founder

and CEO of Origin IP Solutions, Bangalore and **Dr. T. Parimelazhagan**, Professor, Department of Botany, School of Life Sciences, Bharathiar University, Coimbatore respectively. The workshop was aimed to enlighten the students about IPR and to convey about the possibilities open for them to fetch patents and copyrights for their research. The morning session taken over by **Mrs. Bindu Sharma** gave students an overall idea about patenting process and various categories of patenting. The afternoon session conducted by **Dr. T. Parimelazhagan** explained more about the technical aspects of IPR. Both speakers urged students to convert their research into something beneficial to the society and how to earn after getting their works patented.



Mrs. Bindu Sharma and Dr. T. Parimelazhagan along with Head of Department of Biotechnology, Dr. G. Rajalakshmi and participants during workshop.

A one-day in house workshop was conducted on the topic “**Chromatographic Techniques**” on **26st February** by **Abbes Biotech, Private LTD, Chennai**, for I UG students of PG & Research Department of Biotechnology. It was very helpful for the students to understand the procedures of Chromatography through the hands-on session, which will be helpful for them in the coming years.



I UG Students attending work shop on “Chromatographic Techniques” at UG lab.

A one-day in house workshop was conducted on the topic “**Immunological Techniques- Complement Fixation Test**” on **27th February 2020** by **Abbes Biotech, Private LTD, Chennai**, for II UG students of PG & Research Department of Biotechnology. It was very helpful for the students as

they experienced a hands-on session on Complement fixation test which will be helpful for them in the future.



II UG students attending workshop on “Immunological Techniques-Complement Fixation Test”

A one-day state level intercollegiate competition was conducted on National Science day, **28th February, 2020** by the Department. **Prof. Dr. Ragunathan**, Director, Centre for Biosciences & Nanoscience Research, Coimbatore, who gave a lecture based on the National science day theme “**Women in Science**”.



Participants from various colleges competing for various events during National Science Day Celebrations and Chief guest Lecture about “Women in Science”.