



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

SCHOOL OF BIO AND CHEMICAL ENGINEERING

DEPARTMENT OF BIOINFORMATICS

BOARD OF STUDIES - MINUTES OF MEETING

Subject: Board of Studies- Department of Bioinformatics

Venue: Conference Hall, Administrative Block, Sathyabama Institute of Science & Technology, Chennai- 119

Date: 3/04/2019

Agenda: Opinion/suggestion for improvement of syllabus;
UG courses – F.N.; PG courses – A.N.

The following are the members present in the meeting.

External members:

1. Dr. Karthik Raman, Associate Professor, Department of Biotechnology, IIT Madras
2. Dr. Anbumani, Microbiology SRMC, Chennai
3. Dr. S. Mahalingam, Professor Indian Institute of Technology Madras

Internal (Department Members):

1. Dr. Jaynthy Chellam, Associate Professor
2. Dr. Jemmy Christy, Assistant Professor
3. Dr. D. Alex Anand, Assistant Professor
4. Dr. Balasankar, Assistant Professor
5. Dr. Swetha Sunkar, Assistant Professor

Internal Members (Faculty):

1. Dr. Anima Nanda, Professor, IQAC Coordinator
2. Dr. Ramesh Kumar, Associate Professor and head, Biotechnology Department
3. Dr. Valli Nachiyar, Associate Professor, Biotechnology Department.
4. Dr. Jayshree Nellore, Associate Professor, Biotechnology Department.
5. Dr. Antony Samrot, Associate Professor, Biotechnology Department.
6. Ms. Renuga, Assistant Professor, Biotechnology Department.

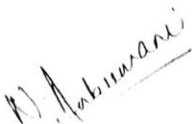



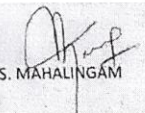



The BOS meeting has been convened today **3rd April**, 2019 to frame the new curriculum and syllabi for the Faculty of Bio & Chemical Engineering to be implemented from the Academic year 2019-20.

- The Chairman Dr. **Wilson Aruni** greeted and welcomed all members of Board of Studies. The HoDs of Dept. of Biomedical Eng, Biotechnology, Bioinformatics, and Chemical Engineering along with the Staff members under the School of Bio & Chemical Engineering, attended the meeting to have an effective interaction with the members and make the efforts in fruitful manner.
- New courses were introduced by the Department of Bioinformatics which includes B.Sc (Bioinformatics and Datascience) and M.Sc (Bioinformatics and Datascience) from the academic year 2019 for which the syllabus designed was evaluated.
- The syllabus revision is done as a whole for all UG and PG courses of the School of Bio & Chemical Engineering which includes B.Tech (BTE), M.Tech. (BTE), M.Sc. (Biotech), M. Phil. (Biotech) offered by the **Department of Biotechnology**, B.Tech (BME), M.Tech. (Med. Inst.), offered by the **Department of Biomedical Engineering**, and B.Tech (CHEM), M.Tech. (CHEM), offered by the **Department of Chemical Engineering**.
- Dr. **Wilson Aruni** started the meeting by giving an over view about the University from its inception and various courses being offered by the University. She described about the process of syllabus revision by enumerating various steps that were adopted by the University in bringing out a new syllabus.
- B.Sc (Bioinformatics and Datascience) syllabus comprised of 27 theory papers and 10 practical paper with total credits being 123. M.Sc (Bioinformatics and Datascience) comprised of 15 theory and 9 practical papers with total credits being 70 and is presented to Board of Studies for approval.
- A copy of the syllabi framed by the Internal BOS members was sent a month in advance to the External Members according to their specialization and field of expertise for their review. Their valuable suggestions and comments were received well before the meeting and modifications have been carried out and kept before the members today for further discussions.
- The suggestions which were received during review by External BOS members were placed before the full board for subsequent modifications were discussed exhaustively in the meeting.

- The content of syllabus for each subject was discussed in detail, taking into consideration of the prerequisite knowledge, references of syllabi followed in other premier Universities and feedback obtained from Industries, Recruiters, Alumni and other experts in that subject.
- The topics in each subject were carefully scrutinized to have relevance to the latest technologies.
- The members also gave their suggestions of the Text books and Reference books that could be included along with the existing list of books.
- The members suggested that B.Sc students can also take up internships that would cater to understanding the industrial requirement.
- The Board members finally reviewed the changes that have been implemented as per the discussions held.
- All their suggestions and comments have been noted and corresponding alterations were done in the syllabi.
- The External Members appreciated the content as well as the depth of syllabi in the curriculum.
- The Internal marks of 50 and External marks of 50 for each subject has been agreed in total and appreciated by all the members.
- The closing meeting was chaired by the Vice Chancellor of the Institution and the vote of thanks was proposed by the Pro Vicechancellor.

Minutes approved.

Signature of the Members

External Members	Signature	Internal Members	Signature
Dr. Anbumani Microbiology SRMC, Chennai		Dr. Wilson Aruni, Pro Vicechancellor, Sathyabama Institute of Science & Technology	
Dr. Karthik Raman Associate Professor, Department of Biotechnology, IIT Madras	 Karthik Raman	Dr. Jemmy Christy Assistant Professor Department of Bioinformatics Sathyabama Institute of Science & Technology	
Dr. S. Mahalingam Professor Indian Institute of Technology Madras	 S. MAHALINGAM	Dr. Swetha Sunkar Assistant Professor Department of Bioinformatics Sathyabama Institute of Science & Technology	
		Dr. Jaynthy Chellam Associate Professor Department of Bioinformatics Sathyabama Institute of Science & Technology	
		Dr. Daniel Alex Anand Associate Professor Department of Bioinformatics Sathyabama Institute of Science & Technology	



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

SCHOOL OF BIO AND CHEMICAL ENGINEERING

DEPARTMENT OF BIOINFORMATICS

BOARD OF STUDIES - MINUTES OF MEETING

Subject: Board of Studies- Department of Bioinformatics

Venue: Conference Hall, Administrative Block, Sathyabama Institute of Science & Technology, Chennai- 119

Date: 14/11/2019

Agenda: Opinion/suggestion for improvement of syllabus;
UG courses – F.N.; PG courses – A.N.

The following are the members present in the meeting.

External members:

1. Dr. Karthik Raman, Associate Professor, Department of Biotechnology, IIT Madras
2. Dr. Anbumani, Microbiology SRMC, Chennai
3. Dr. S. Mahalingam, Professor Indian Institute of Technology Madras

Internal (Department Members):

4. Dr. Jaynthi Chellam, Associate Professor
5. Dr. Jemmy Christy, Assistant Professor
6. Dr. D. Alex Anand, Assistant Professor
7. Dr. Balasankar, Assistant Professor
8. Dr. Swetha Sunkar, Assistant Professor

Internal Members (Faculty):

9. Dr. Anima Nanda, Professor, IQAC Coordinator
10. Dr. Ramesh Kumar, Associate Professor and head, Biotechnology Department
11. Dr. Valli Nachiyar, Associate Professor, Biotechnology Department.
12. Dr. Jayshree Nellore, Associate Professor, Biotechnology Department.
13. Dr. Antony Samrot, Associate Professor, Biotechnology Department.
14. Ms. Renuga, Assistant Professor, Biotechnology Department.

The BOS meeting has been convened today 14th November, 2019 to pass the newly framed curriculum and syllabi for the Faculty of Bio & Chemical Engineering to be implemented from the Academic year 2019-20.

- The Chairman Dr. **Wilson Aruni** greeted and welcomed all members of Board of Studies. The HoDs of Dept. of Biomedical Engg, Biotechnology, Bioinformatics, and Chemical Engineering along with the Staff members under the School of Bio & Chemical Engineering, attended the meeting to have an effective interaction with the members and make the efforts in fruitful manner.
- This suggestion / amendment was put forth and seconded by three members of the board to increase the number of databases covered in the first semester lab paper SBIA2102 Biological Databases Lab. The databases suggested to be included were – SRA, NGS catalogue, NGS content database and the GWAS catalogue.
- In the second semester paper, SBIA 1201 (Sequence analysis), it was suggested to add newer reference material to text / reference books.
- It was also suggested to add a list of tools like MESQUITE, HYPHY, ADMIX tools, BEAST, Geneious to the list of tools to be covered in the fifth unit of SBIA1302 (Evolutionary biology) paper.

Minutes approved.

Signature of the Members

External Members	Signature	Internal Members	Signature
<p>Dr. Anbumani Microbiology SRMC, Chennai</p>		<p>Dr. Wilson Aruni, Pro Vicechancellor, Sathyabama Institute of Science & Technology</p>	
<p>Dr. Karthik Raman Associate Professor, Department of Biotechnology, II T Madras</p>	 <p>Karthik Raman</p>	<p>Dr. Jemmy Christy Assistant Professor Department of Bioinformatics Sathyabama Institute of Science & Technology</p>	
<p>Dr. S. Mahalingam Professor Indian Institute of Technology Madras</p>	 <p>S. MAHALINGAM</p>	<p>Dr. Swetha Sunkar Assistant Professor Department of Bioinformatics Sathyabama Institute of Science & Technology</p>	
		<p>Dr. Jaynthy Chellam Associate Professor Department of Bioinformatics Sathyabama Institute of Science & Technology</p>	
		<p>Dr. Daniel Alex Anand Associate Professor Department of Bioinformatics Sathyabama Institute of Science & Technology</p>	