



# SATHYABAMA

**INSTITUTE OF SCIENCE AND TECHNOLOGY**  
(DEEMED TO BE UNIVERSITY)

Accredited with 'A' grade by NAAC  
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119.



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**Phone: 044 - 2450 3150 / 3151 / 3152 / 3154 / 3155 Fax: 044 - 2450 2344**  
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## SCHOOL OF BIO AND CHEMICAL ENGINEERING

### DEPARTMENT OF BIOINFORMATICS

**Minutes of Board of Studies Meeting held on 3<sup>RD</sup> APRIL, 2019**

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

**Time:** 9:00 AM - 3:00 PM

#### **Agenda**

UG courses – F.N.

PG courses – A.N.

The BOS meeting has been convened today **3<sup>rd</sup> 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.

1. 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.
2. 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.
3. 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**.



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4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. The topics in each subject were carefully scrutinized to have relevance to the latest technologies.
10. The members also gave their suggestions of the Text books and Reference books that could be included along with the existing list of books.
11. The members suggested that B.Sc students can also take up internships that would cater to understanding the industrial requirement.



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12. The Board members finally reviewed the changes that have been implemented as per the discussions held.
13. All their suggestions and comments have been noted and corresponding alterations were done in the syllabi.
14. The External Members appreciated the content as well as the depth of syllabi in the curriculum.
15. The Internal marks of 50 and External marks of 50 for each subject has been agreed in total and appreciated by all the members.
16. The closing meeting was chaired by the Vice Chancellor of the Institution and the vote of thanks was proposed by the Pro Vicechancellor.



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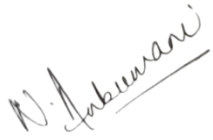

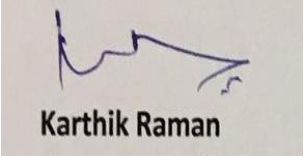

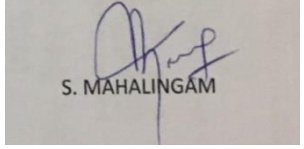

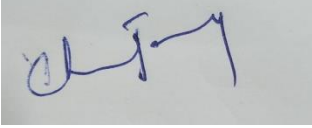
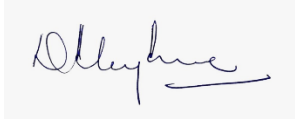
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## Members present during the Board of Studies Meeting on 03- 04-2019

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



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## Other Dignitaries present in the meeting

S.No	Name and Designation	Signature
1	<b>Dr. Anima Nanda</b> , Professor IQAC Coordinator	
2	<b>Dr. Ramesh Kumar</b> Head, Department of Biotechnology	
3	<b>Dr. Prem Kumar</b> Head, Department of Biomedical Engg	
4	<b>Dr. Sudhakar</b> Head, Department of Biomedical Engg	
5	<b>Dr. Satish</b> Head, Department of Chemical Engg	
6	<b>Dr. Prabhu</b> Head, Department of Chemical Engg	



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March 27, 2019

To  
**The Pro Vice – Chancellor,**  
Sathyabama Institute of Science and Technology,  
Chennai - 600119

Dear Sir,

I have gone through the revised syllabi for the BSc and MSc courses in *Bioinformatics and Data Science* and all the suggestions pointed out have been carried out from your end.

I wish you all success in the conduct of the courses.

**Karthik Raman**  
Associate Professor,  
Department of Biotechnology,  
Co – ordinator, Initiative for Biological Systems Engineering,  
Core Member, Robert Bosch Centre for Data Science and Artificial Intelligence,  
IIT Madras



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From  
Dr. S. Mahalingam. Ph.D.,  
Professor  
Department of Biotechnology  
Bhupat & Jyoti Mehta School of Bio Sciences  
IIT – Madras.

To  
Pro- Vice Chancellor  
Sathyabama Institute of Science  
and Technology  
Chennai – 600 119

Dated : 26.02.2019

Sir,

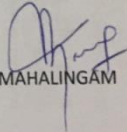
Sub: B.Sc., Syllabi – School of Bio & Chemical Engineering – reg.

Further to your request to evaluate and review the B.Sc., syllabi , I wish to inform that I have gone through the syllabi of the following courses (as given below) and necessary modifications were suggested and carried out. I also convey that in my opinion I find the below mentioned syllabi to be of optimal standard for the respective courses.

#### Courses

B.Sc., - Biotechnology  
B.Sc., - Microbiology  
B.Sc., - Biochemistry  
B.Sc., - Bioinformatics & Data Sciences  
M.Sc., - Bioinformatics & Data Sciences

Thank you

  
S. MAHALINGAM