

KLEF Deemed to be UNIVERSITY
DEPARTMENT OF BIOTECHNOLOGY

I. DEPARTMENT ACADEMIC COMMITTEE

The Department Academic Committee meeting was conducted in Biotechnology Seminar Hall (C501) on 12/07/2018 at 4:00 pm.

1. List of Department Academic committee members

S.No	Name of the Person	Institution	Department of the Person	Designation of the person	Position of the person in the meeting
1	Dr.K.Shrinivasulu	KL University	Biotechnology	Professor & HOD	Chairman
2	Dr.V.Praveen Kumar	KL University	Biotechnology	Alternate Head & Assoc. Professor	Secretary
3	Dr.Jaya Kumar Singh	KL University	Biotechnology	Professor & Assoc. Dean	Internal member
4	Dr.B.Mahendran	KL University	Biotechnology	Assoc. Professor & RPAC	Internal member
5	Dr.V.Bhadramurthy	KL University	Biotechnology	Asst. Professor & Research Group Head	Internal member
6	Dr.M.Sudhamani	KL University	Biotechnology	Asst. Professor & Research Group Head	Internal member
7	Dr.C.S.Felice	KL University	Biotechnology	Asst. Professor	Special Invitee
8	Dr.M.Maheswara Reddy	KL University	Biotechnology	Asst. Professor	Special Invitee
9	Dr.GVS Rama Krishna	KL University	Biotechnology	Asst. Professor	Special Invitee
10	Y.Aishwarya	KL University	Biotechnology	Y14 Batch	Student Alumni

2. Agenda Items of DAC

Item Number	Agenda Item
BT-DAC-01	To suggest recommendations of B.Tech course structure, credits, course linearity and Detailed syllabi for the academic year 2018-19
BT-DAC-02	Restructuring the existing curriculum & syllabi for the academic year 2017-18
BT-DAC-03	Inclusion of four technical skills courses for the academic year 2018-19
BT-DAC-04	Any additional item

3. Minutes of the DAC meeting

The following points were discussed and resolved:

1. Upon discussing the feedback from various stake holders, the committee resolved to recommend the following to BOS

i) New courses such as Plant Biotechnology and Animal Biotechnology were introduced for Y18 batch/B-Tech

ii) DAC members suggested to consider, few modifications in Bioanalytical Techniques for Y17 and Y18 Batch (B.Tech).

2. Upon considering above mentioned feedbacks, it is resolved to propose technical skills for B-Tech Biotechnology Program for BOS approval.

3. It is also recommended to introduce foreign language course from the academic year 2018-19.

4. Consolidated feedback report

Feedback from different stake holders has been collected in respect of the curriculum offered for the academic year 2018-19

Serial Number	Type of stake holder	Number of feedbacks
1	Students	15
2	Parents	1
3	Alumni	2
4	Faculty	5
5	Academic peers	1
6	Industry persons	1

S.No	Recommendations
Students	
1	Y14 batch students requested the BoS chairman for floating skill courses
2	To cover the core topics of GATE in Curriculum
Faculty	
3	Faculty handling the “coding skills for engineers” course suggested offering this course as a credited course to bring the seriousness among students towards coding skills.
Academic and Industrial Peers	
4	Academic and industrial peers has recommended to add laboratory component to all core subjects
Alumni	
5	Foreign language courses should be given importance with credits to become confident enough to work across the globe

HoD - Biotechnology

II. BOARD OF STUDIES

The Board of Studies meeting was conducted in Biotechnology Seminar Hall (C501) on 14/07/2018 at 10:30 AM.

1. List of BoS committee members

S.No	Name of the Person	Institution	Department of the Person	Designation of the person	Position of the person in the meeting
1	Dr.K.Shrinivasulu	KL University	Biotechnology	Professor & HOD	BoS Chairman
2	Dr.V.Praveen Kumar	KL University	Biotechnology	Alternate Head & Assoc. Professor	BoS Secretary
3	Dr.G.Satyanarayana	IIT Chennai	Biotechnology	Professor	Academic Peer
4	Dr.A.Uma	JNTU, Hyderabad	Biotechnology	Professor & HOD	Academic Peer
5	Dr.R.Satish	NIT, Waranagal	Biotechnology	Associate Professor	Academic Peer
6	Dr.M.Lakshmi Prasad	Sujay Biotech	Biotechnology	Managing Director	Industrial Peer
7	Dr.Y.Srinivasa Reddy	Sajjala Biolabs	Biotechnology	Director	Industrial Peer
8	Dr.V.Aruna	Monsanto India Limited	Biotechnology	Sr.Scientist	Industrial Peer
9	Dr.Pranveer Singh Satvat	KL University	Civil Engineering	Dean Academics	BoS Patron
10	Dr.Jaya Kumar Singh	KL University	Biotechnology	Professor & Assoc. Dean	Internal member
11	Dr.B.Mahendran	KL University	Biotechnology	Assoc. Professor	Internal member
12	Dr.V.Bhadramurthy	KL University	Biotechnology	Asst. Professor	Internal member
13	Dr.M.Sudhamani	KL University	Biotechnology	Asst. Professor	Internal member
14	Dr.C.S.Felice	KL University	Biotechnology	Asst. Professor	Special Invitee
15	Dr.M.Sudhamani	KL University	Biotechnology	Asst. Professor	Special Invitee

16	Dr.MSR Krishna	KL University	Biotechnology	Asst. Professor	Special Invitee
17	Dr.M.Maheswara Reddy	KL University	Biotechnology	Asst. Professor	Special Invitee
18	Dr.GVS Rama Krishna	KL University	Biotechnology	Asst. Professor	Special Invitee
19	Dr.P.Rajasekhar	KL University	Biotechnology	Asst. Professor	Special Invitee
20	Dr.C.Chandrasekhar	KL University	Biotechnology	Asst. Professor	Special Invitee
21	Dr.K.Giridhar	KL University	Biotechnology	Assoc. Professor	Special Invitee
22	Dr.Y.V Rajesh	KL University	Biotechnology	Asst. Professor	Special Invitee
23	Dr.Rupita Ghosh	KL University	Biotechnology	Asst. Professor	Special Invitee
24	Mr.G.Siva Reddy	KL University	Biotechnology	Asst. Professor	Special Invitee
25	Dr.S.Kartikeyan	KL University	Biotechnology	Assoc. Professor	Special Invitee
26	Dr.C.Arun	KL University	Biotechnology	Assoc. Professor	Special Invitee
27	Dr.Nadeem Siddiqui	KL University	Biotechnology	Assoc. Professor	Special Invitee
28	Mr.Sarada Prasanna Mallik	KL University	Biotechnology	Asst. Professor	Special Invitee
29	Y.Aishwarya	KL University	Biotechnology	Y14 Batch	Student Alumni

2. Agenda Items

Item Number	Agenda Item
BT-BOS-01	To suggest recommendations of B.Tech course structure, credits, course linearity and detailed syllabi for the academic year 2018-19
BT-BOS-02	Restructuring the existing curriculum & syllabi for the academic year 2017-18
BT-BOS-03	Approval of technical skills courses for the academic year 2018-19 and for 2017-18
BT-DAC-04	Any additional item

3. Minutes of the meeting

General Suggestions

- 1) Dr. Lakshmi Prasad had suggested that Entrepreneurship course should be introduced at the time of induction; however, agreed to incorporate in II/IV or III/IV of the B.Tech Program
- 2) Dean academics suggested to rename CRT to professional skill course 1&2
- 3) Appropriate subheading has to be inserted while preparing the syllabus, Textbooks has to be 1-3 and References can be more.
- 4) Every specialisation should have ample number of courses, so that the students can pick courses of their interest.
- 5) Prerequisite must be mentioned for every specialization.

Specific concerns and suggestions

1. **Microbiology:** Suggested to incorporate applied microbiology in lieu of medical microbiology.
2. **Biochemistry:** Suggested to incorporate analytics of biochemistry e.g., principle of carbohydrate tests in detail in lieu of biosignaling.
3. **Plant and Animal Biotechnology:** All the external members has unanimously suggested to split the course and float it as two separate elective courses. Instead of this course Biomaterials has to be introduced as core course. HoD and BoS Chairman appreciated the suggestion as it would fit into the strength of the department.
4. **Process Engineering Principles:** Material and energy balance in biological systems & Stoichiometry should be incorporated.
5. **Fluid Mechanics and Heat Transfer & Mass Transfer operations:** All the external members has unanimously suggested to club Mass Transfer Operations in Fluid Mechanics and Heat Transfer with a course entitled: “Transport Processes in Biological Systems”.
6. **Fermentation Technology:** Rheology and KLA mass transfer should be removed. Please insert submerged and solid state fermentation. Reframe the last CO as Industrial fermentation products e.g. penicillin production, alcohol production.
7. **Biochemical Reaction Engineering:** Please introduce enzyme immobilization, design of reactor for effluent treatment, Internal and external mass transfer, cell growth kinetics, empirical and monad equation.
8. **Downstream Processing:** Recombinant protein purification should be included in the syllabus.

4. Action taken report on consolidated feedback (Items accepted, deferred)

S.No	Recommendations	Action taken report
Students		
1	Y14 batch students requested the BoS chairman for floating skill courses	Skilling courses have been introduced
2	To cover the core topics of GATE in Curriculum	As per the suggestions of BoS panel members many topics related to GATE curriculum have been incorporated
Faculty		
3	Faculty handling the “coding skills for engineers” course suggested offering this course as a credited course to bring the seriousness among students towards coding skills.	Skilling courses have been credited with “2” credits.
Academic and Industrial Peers		
4	Academic and industrial peers has recommended to add laboratory component to all core subjects	All core courses have been clubbed with laboratory component or with skilling
Alumni		
5	Foreign language courses should be given importance with credits to become confident enough to work across the globe	One foreign language is proposed to introduce from academic year 2018-19

4.

5. Additional remarks if any

Nil

6. Tentative Hand Book

Attached

Chairman - BoS