



## Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by NAAC as 'A++' Approved by AICTE ISO 9001-2015 Certified

Campus: Green Fields, Vaddeewaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. 08645 - 350200; www.klof.ac.in; www.klof.edu.in; www.kluniversity.in

Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2577715, 2576129.

Date: 03/04/2024

### DEPARTMENT OF BIOTECHNOLOGY

#### MINUTES OF XXXIX BOARD OF STUDIES MEETING

The Department Board of Studies meeting was conducted on 03/04/2024 in offline mode from 10:00 am to 12:30 pm Dr. K Shrinivaslu, HoD-BT, as a chair.

The following members were present for XXXIX BoS meeting

1. Dr.K Shrinivasulu, Professor, HoD-BT, Chairman
  2. Dr.G Satyanarayana, Professor, IIT Madras -External Member
  3. Dr.Ratna Sudha, Sr.Scientist, Unique Biotech-Hyderabad -External Member
  4. Mrs.Sarada Gandhi, Senior Bioinformatics Manager, Indushealthplus-Pune-External Member
  5. Dr.V.Praveen Kumar, Assoc.Professor, Deputy HoD-Member
  6. Dr.M.Janaki Ramaiah, Professor-Member
  7. Dr.BVLS Prasad, Professor-Member
  8. Dr.M.Sudhamani, Assoc.Professor-Member
  9. Dr.Nadeem Siddiqui, Assoc.Professor-Member
  10. Dr.Bandaru Srinivas, Assoc.Professor-Member
  11. Dr.M.Maheswara Reddy, Asst.Professor-Member
  12. Dr.G.Siva Reddy, Asst.Professor-Member
  13. Dr.Y V Rajesh, Asst.Professor-Member
  14. Dr.Sarada Prasanna Mallick, Asst.Professor-Member
  15. Dr.Pritam Kumar Dikshith, Asst.Professor-Member
  16. Dr. P Rajasekhar, Asst.Professor-Member
  17. Dr. C Chandrasekhar, Asst.Professor-Member
  18. Dr. B Navyatha, Asst.Professor-Member
- Member's Absent-NIL

**Dr. K Shrinivasulu, Chairman of BoS**, started the meeting remarks by welcoming and introducing the external members to the internal and special invite members and thanking them for accepting to become members of the Board of Studies. The chairman put forward the Agenda items before the Board of Studies meeting.

The following items of the agenda were placed for consideration before the Board of Studies in Biotechnology at its present meeting.

Head

Department of Biotechnology  
Koneru Lakshmaiah Education Foundation  
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VADDESWARAM, Guntur Dt.



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### AGENDA and RESOLUTIONS

#### AGENDA ITEM-I

To consider and approve the curriculum for the 2024-2025 admitted batch of B.Tech (with various categories of degrees) & M.Tech and the minor changes proposed in the curriculum of the 2023-2024 admitted batch of B.Tech as per the suggestions and feedback received from stakeholders discussed in DAC.	Approved and recommended to Academic Council
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**RESOLUTION:** The curriculum for 2024-2025 B.Tech & M.Tech and the minor changes proposed in the curriculum of 2023-2024 admitted batches have been approved by BoS members and recommended to Academic Council. Course structure of 2024-2025 and 2023-2024, batches have been furnished in (**Annexure: I**). The B.Tech course will be implemented through a specialized degrees such as Diploma-Biotechnology, B.Sc-Biotechnology, B.Tech with Minor Degree, B.Tech with double major, B.Tech with Specialization, B.Tech (No flexibility with no add on), B.Tech (Honors), B.Tech (Honors) with specialization, B.Tech (Honors) with Minor, B.Tech (Honors) with double major, B.Tech (Honors) with specialization, B.Tech (Honors through research), B.Tech (Honors through research) with specialization, B.Tech (Honors through research) with Minor, B.Tech (Honors through research) with double major and B.Tech (Honors through Innovation), B.Tech (Honors through Innovation) with Minor, B.Tech (Honors through Innovation) with double major, B.Tech (Honors through Innovation) with specialization, B.Tech (Honors through Experiential Learning), B.Tech (Honors through Experiential Learning) with Minor, B.Tech (Honors through Experiential Learning) with double major, and B.Tech (Honors through Experiential Learning) with specialization.

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### AGENDA ITEM-II

To consider and approve the revisions proposed by the course coordinators in syllabus / Course Outcomes /experiments/teaching pedagogies for the courses to be offered in the 2024-2025 academic year.	Approved and recommended to Academic Council
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**RESOLUTION:** The revisions proposed by the stakeholders and course coordinators in syllabus/Course Outcomes /experiments / teaching pedagogies for the courses to be offered in the 2024-2025 academic year have been approved by BoS members and recommended to Academic Council. Syllabi of 2024-2025 batches have been furnished in **(Annexure: II)**.

### AGENDA ITEM-III

To consider and approve the resolutions made by XXXIX DAC conducted on 01 <sup>st</sup> April 2024.	Approved and recommended to Academic Council
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**RESOLUTION:** The points discussed in the DAC meeting were approved by BoS members and recommended to Academic council. DAC minutes and proofs are mentioned in **(Annexure: III)**.

### AGENDA ITEM-IV

To approve the feedback from stakeholders regarding the 2024-25 batch of admitted students	Approved and recommended to Academic Council
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**RESOLUTION:** Feedback from stakeholders regarding the upcoming 2024-25 batch has been approved by BoS members and recommended to the Academic Council. Action Taken Report has been attached as **Annexure-IV**.

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### AGENDA ITEM-V

To consider and approve the Pre-Ph.D courses for the July-2024 admitted batch of Ph.D	Approved and recommended to Academic Council
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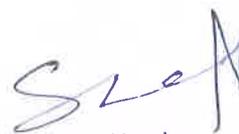
**RESOLUTION:** Pre Ph.D courses and syllabi for July-2024 admitted batch of Ph.D have been approved by BoS members and recommended to Academic Council and the corresponding proofs have been attached in **Annexure -V**.

### AGENDA ITEM-VI

To consider and approve the list of Professional core and Engineering Science courses introduced for 2024-2025 admitted batch.	Approved and recommended to Academic Council
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### DISCUSSION:

- ❖ Dr. Ratna Sudha, MD, of Unique Biotech Pvt. Ltd., Hyderabad, Telangana, proposed the initiation of an **Artificial Intelligence and Machine Learning** course, and following a thorough discussion, the resolution was successfully passed, subsequently recommending it to the academic council for approval as a new course. **Artificial Intelligence and Machine Learning** was introduced in place of **Data driven AI**.
- ❖ Dr. Rajesh, Scientist E at Sanofi Biotech, Medchal, Telangana, proposed the introduction of a **Bioprocess Dynamics and control** course, and after extensive discussion, the resolution received approval, with a subsequent recommendation made to the academic council for the official sanctioning of the new course in Bioprocess dynamics and control.
- ❖ Dr. Alok Kumar of Sanofi Biotech in Medchal, Telangana, proposed the establishment of a **Computational Biology** course. Following a comprehensive discussion, the resolution was successfully passed and subsequently recommended to the academic council for approval of the new course in Computation Biology.

  
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- ❖ Dr. Pratima Katukuri, CIMAP, Lucknow, Uttar Pradesh proposed the introduction of a new course entitled **Regulatory affairs & Clinical Trails** and after extensive discussion, the resolution received approval, with a subsequent recommendation made to the academic council for the official sanctioning of the new course Regulatory affairs and clinical Trails.
- ❖ Dr. Nazem Baig, HCU, Telangana proposed the introduction of a new course entitled **Bioreactor Operations** and after extensive discussion, the resolution received approval, with a subsequent recommendation made to the academic council for the official sanctioning of the new course Bioreactor Operations.

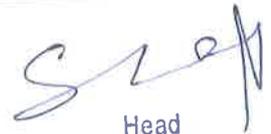
**RESOLUTION:** Upon discussion, all the BOS members approved the incorporation of the following Professional core and Engineering-Science courses into the curriculum from the Academic Year 2024-2025 which improves the various skill set of students in Bioprocess Dynamics and control, Bioreactor Operations, Regulatory affairs and clinical Trails and to learn the aspects of quality control techniques concerning value added products by learning Computational Biology. Further, Students will be able to gain various skills (Technical and coding skills) in Artificial Intelligence and Machine Learning.

1. Bioprocess Dynamics and Control
2. Bioreactor Operations
3. Computational Biology
4. Regulatory affairs and clinical Trails
5. Artificial Intelligence and Machine Learning

The syllabus of the new courses have been depicted in **Annexure-VI**

### AGENDA ITEM-VII

PDD (M.Tech and B.Tech) of new program Structure highlighting Local/Regional/National/Global needs and Mapping to courses.	Approved and recommended to Board of Studies
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**Resolution:** PDD (M.Tech and B.Tech) of new program structure highlighting Local/Regional/National/Global needs and Mapping to courses has been approved and recommended to Academic council by BoS members. Program development document of 2024-2025 admitted batch have been furnished in **Annexure-VII**.

### AGENDA ITEM-VIII

To consider and approve the CO-PO attainment of 2023-2024 academic year.	Approved and recommended to Board of Studies
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**Resolution:** CO-PO attainment for 2023-2024 academic year batches have been approved by BoS members and recommended to Academic Council. CO-PO attainment of 2023-2024 academic year batches has been furnished in **Annexure-VIII**.

### AGENDA ITEM-IX

To consider the approval of proposed certificate courses for 2024-2025 admitted batch.	Approved and recommended to Board of Studies
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**Resolution:** The following value added courses for 2024-2025 admitted batches have been introduced, approved and recommended by BoS to Academic council.

1. Nano medicine
2. Clinical Data management
3. Pharmacovigilence
4. Regulatory affairs
5. Base SAS
6. NGS Sequencing
7. Medical Coding
8. Clinical Trails

  
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The following members have attended the XXXIX Board of studies (BOS) meeting held on, 03/04/2024 in offline mode from 10:00 am to 12:30 pm

S.No	FULL NAME	DESIGNATION	ORGANIZATION	POSITION IN THE MEETING	SIGNATURE
1	Dr. M Ratna Sudha	Managing Director	Unique Biotech Ltd-Telangana	External	
2	Dr.G Satyanarayana	Professor	Professor-IIT Madras	External	
3	Mrs.Saradagandhi Kolli	Clinical Scientist-Next Generation Sequencing	Master Misericordiae University Hospital-Ireland	External	
4	Dr.K.Shrinivasulu	Professor & HOD	Biotechnology	Chairman	
5	Dr.V.Praveen Kumar	Alternate Head & Assoc. Professor	Biotechnology	Secretary	
6	Dr. M Janaki Ramaiah	Professor	Biotechnology	Internal member	
7	Dr.BVLS Prasad	Professor	Biotechnology	Internal member	
8	Dr.Nadeem Siddiqui	Assoc. Professor	Biotechnology	Internal member	
9	Dr. Ashish Runthala	Assoc. Professor	Biotechnology	Special Invitee	
10	Dr.M.Sudhamani	Assoc. Professor	Biotechnology	Internal member	
11	Dr.M.Maheswara Reddy	Asst. Professor	Biotechnology	Internal member	
12	Dr.G.Siva Reddy	Asst. Professor-Professor incharge Academics	Biotechnology	Internal member	



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13	Dr.Y V Rajesh	Asst. Professor-R Pac chairman	Biotechnology	Internal member	<i>[Signature]</i>
14	Dr.Bandaru Srinivas	Assoc. Professor	Biotechnology	Special Invitee	<i>[Signature]</i>
15	Dr.Sarada Prasanna Mallick	Asst. Professor	Biotechnology	Internal member	<i>[Signature]</i>
16	Dr.C Chandrasekhar	Asst. Professor	Biotechnology	Special Invitee	<i>[Signature]</i>
17	Dr.P Rajasekhar	Asst. Professor	Biotechnology	Special Invitee	<i>[Signature]</i>
18	Dr.Pritam Kumar Dikshith	Asst. Professor	Biotechnology	Special Invitee	<i>[Signature]</i>
19	Dr.G Koteswara Reddy	Asst. Professor	Biotechnology	Special Invitee	<i>[Signature]</i>
20	Dr.Gnana Sekaran R	Asst. Professor	Biotechnology	Special Invitee	<i>[Signature]</i>