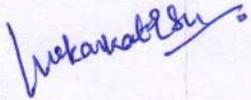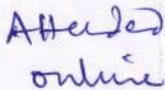# DEPARTMENT OF BIOINFORMATICS

Date: 17.04.2025

Minutes of Board of Studies Meeting

Board of Studies (BoS) meeting of B.Tech., Bioinformatics programme was conducted on 17.04.2025 in blended mode from 10.00 AM to 1.00 PM in ASF 12, 2nd floor, U Block VFSTR and also with the following Google meet link: https://meet.google.com/ktv-anpa-sry.

Agenda of the BoS Meeting:

1. To Discuss and finalize the curriculum structure and credits distribution of B.Tech., Bioinformatics Programme for the regulation 2025 (R25-C25).
2. To Discuss and finalize the elective courses list (Department/ Open/ Minor / Honour) and stream of B.Tech., BioinformaticsProgramme for the regulation R25-C25.
3. To Discuss about the SDG and IKS components in the syllabus.
4. To approve the R25-C25 curriculum, syllabus and assessment schemes of B.Tech., Bioinformatics Programme and recommend to the Academic council.
5. Any other points with the permission of Chairperson.

The following members were present either thorough offline or online.

S.No.	Name and Designation of the Member	Position	Signature
1.	Dr. A.Ranganadha Reddy Professor and HoD, Dept. of Bioinformatics, VFSTR	Chairperson	
2.	Prof. V. Venkata Dasu Professor, Department of Biosciences and Bioengineering, Indian Institute of Technology Guwahati (IITG)	External Member (Academic)	
3.	Prof. Pritish Kumar Varadwaj Professor, Department of Applied Sciences, IIIT Allahabad	External Member (Academic)	Attended online

4.	Dr. P. Madhu Babu Sr. Scientist., Omics NextGen Laboratories., Bhimavaram	Invited Member (Industry)	Attended online
5.	Prof. Vijaya Ramu Dirisala Professor, Dept. of Biotechnology, VFSTR	Member	
6.	Prof. S. Asha Professor, Dept. of Biotechnology, VFSTR	Member	
7.	Dr. Abraham Peele Karlapudi Assoc. Professor, Dept. of Biotechnology, VFSTR	Dean, R & D Nominee	
8.	Dr. Md. Nazneen Bobby Assoc. Professor, Dept. of Biotechnology, VFSTR	Member	
9.	Dr. Katari Sudheer Kumar Asst. Professor, Dept. of Biotechnology, VFSTR	School Dean Nominee	
10.	Dr. Malathi Balasubramaniyan Asst. Professor, Dept. of Biotechnology, VFSTR	Member from VFSTR off- campus, Hyderabad	Attended online
11.	Dr. Rani J.R. Asst. Professor, Dept. of Bioinformatics, VFSTR	Member Secretary — BI	

Chairperson Dr. A. Ranganadha Reddy, Professor and Head, Department of Bioinformatics, VFSTR initiated the meeting by welcoming and introducing the external members and invitees to the internal members. Chairperson presented about the *NEP 2020 Compliant Regulation - R25-C25* which emphasis on creating *learning centric* (continuous learning and continuous assessment model), offering B.Tech., B.Tech. with Honours / Research Honours / Minor / Add-on Diploma, providing lateral entry and honourable exit.

The following points were discussed in the BoS meeting:

1. Regulation R25-C25.
2. Curriculum structure with credits, credits distribution (L-T-P-SL).
3. Significance of self-learning (SL)
4. 2 Modules, Module-1 is fundamental with 2 units and Module-2 is advanced level with 3 units.
5. Assessment methods (Formative & Summative).
6. Grading Schemes.
7. Department Elective and Honour courses (streams/pools).
8. Open Elective and Minor courses (streams/pools).
9. Creative work-in-Liu-Course work
10. SDG Mapping and incorporation of IKS components
11. Consideration of new program outcomes (POs) as prescribed by the NBA

2. Major reformation has taken place in the curriculum by offering Honours/Specialization degree or Minor degree through 16 more credits with additional courses.

3. R25-C25 curriculum structure including list of professional core, department elective, open elective, Minor and Honour courses of B.Tech, Bioinformatics programme. **(Appendix - I)**

4. The curriculum is encompassing the courses that enable employability or entrepreneurship or skill development, provided in **Appendix - II**.

5. Total average percentage of syllabus revised was **36.80%** compared to previous curriculum provided in **Appendix - III**.

6. The significant changes are made in the content of all courses and hence the courses are considered as new courses provided in **Appendix - IV**.

7. **Indian Knowledge System (IKS)** components are incorporated in the relevant courses and the details are mentioned in **Appendix - V**.

8. The courses in the curricula are mapped with the **Sustainable Development Goals (SDG)** and the mapping details are provided in **Appendix - VI**.

9. Feedback from various stakeholders are incorporated appropriately in the R25-C25 curriculum.

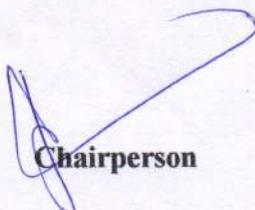## The following improvements are suggested: (Action Points)

1. External members suggested to create more awareness about IKS to the faculty members by conducting either department workshops or institute level workshops.

2. Prof. Pritish Kumar recommended creating awareness among all faculty on the use of AI for domain-specific themes.

3. Dr. Madhu Babu suggested to include Herbal immunomodulatory in Indian traditional medicine. in Immunology and Immunotherapy course.

4. Prof. V. Venkata Das suggested to introduce Molecular Genetics.

The following recommendations and approvals are made after the discussion:

1. BoS Members approved the revised regulations, curriculum structure, syllabus, assessment schemes of B.Tech., Bioinformatics programmes and it follows based on the NEP 2020.

2. The details of elective courses (Department/ Open/ Minor / Honour) of B.Tech., Bioinformatics Programme for the regulation R25-C25 are approved.

3. NPTEL courses are approved for the Academic Year 2025-26.

4. SDG mapping and incorporation of the IKS components in the syllabus is approved.

There being no further points for discussion, the Chairperson thanks all the external, internal, invited members and announced that the meeting was concluded.

Member Secretary

Chairperson