

Date: 03-06-2025

**Department of Biotechnology and Bioinformatics**

A meeting of the Board of Studies (BoS) of the **Department of Biotechnology and Bioinformatics** was held as per the following schedule :

<b>Meeting Name:</b>	Board of Studies –Department of Biotechnology and Bioinformatics		
<b>Date of Meeting:</b>	03-06-2025	<b>Time:</b>	11:00 AM-12:00 PM
<b>Chairman:</b>	Prof. Jata Shankar	<b>Location:</b>	CR-3 and Online

**1. Meeting Objective:** BoS meeting of the Department of Biotechnology and Bioinformatics**2(a). Meeting Attendees: The following members were present**

Prof. Jata Shankar, Professor and HOD, Dept. of Biotechnology and Bioinformatics	Chairman
Prof. Anil Kant, Professor, Dept. of Biotechnology and Bioinformatics	Member, Coordinator
Prof. T.C. Bhalla, Ex-Professor Emeritus, Dept. of Biotechnology, HPU Shimla	External Member (Academic)
Prof. G.P.S. Raghava, Prof and Head, Deptt of Computational Biology, IIIT-Delhi	External Member (Academic)
Prof. P.B. Barman, Head and Professor, Dept. of PMS, JUIT	Member
Prof. Shruti Jain, Professor, Dept. of Electronics and Communications	Member
Prof. Rakesh Bajaj, Head and Professor, Dept. of Mathematics, JUIT	Member
Prof. Tiratha Raj Singh, Professor, Dept. of Biotechnology and Bioinformatics	Member
Prof. Rahul Shrivastava, Professor, Dept. of Biotechnology and Bioinformatics	Member
Prof. Hemant Sood, Professor, Dept. of Biotechnology and Bioinformatics	Member

# JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

Dr. Udayabanu M., Associate Professor, Department of Biotechnology and Bioinformatics	Member
Dr. Poonam Sharma, Associate Professor, Dept. of Biotechnology and Bioinformatics	Member
Prof. Gopal Singh Bisht, Professor, Dept. of Biotechnology and Bioinformatics	Member
Dr. Saurabh Bansal, Associate Professor, Department of Biotechnology and Bioinformatics	Member
Dr. Garlapati Vijay Kumar, Associate Professor, Department of Biotechnology and Bioinformatics	Member
<b>2 (b). Leave of Absence: The following members were granted leave of absence by the Chairman, BOS</b>	
Mr. Aditya Sahni, JUIT Alumni, Founder of ELEM, India (Industry Expert)	External Member (JUIT Alumni)
Prof. Sudhir Syal, Professor and Dean (R&I), Dept. of BT and BI, JUIT	Member
Prof. Sunil Kumar Khah, Incharge IQAC, JUIT	Member
Dr. Jitendraa Vashist, Associate Professor, Dept. of Biotechnology and Bioinformatics	Member
Dr. Ashok Kumar Nadda, Assistant Professor, Dept. of Biotechnology and Bioinformatics	Member

Prof. Anil Kant offered a welcome note to the members, presented an overview of the agenda items, and invited the respected program coordinators and course coordinators to provide details about their respective program courses.

### **3. Action Items / Instructions: The Following decisions were taken and approved by the members of the Board of Supervisors.**

1. Introduction of 02 new courses for Ph D. students and approval of their syllabi (Annexure-I)
  - i) Advances in Bioprocess Engineering(0-0-3)
  - ii) Advances in Bioinformatics (0-0-3)

- Dr. VK Garlapati discussed the genesis of introducing two new Ph.D. courses. Candidates. Biotechnology and Bioinformatics students presented the details of the syllabus for one of the proposed courses, Advances in Bioprocess Engineering.
  - Prof. P.B. Barman observed that the course is too lengthy to be covered in 42 lectures.
  - Prof. TC Bhalla said that the course contents are well-framed, but it would be better if some advanced topics were included in some of the units.
  - Dr. Anil Kant suggested that it would be better to include a chapter on the latest developments in bioprocessing, recent research papers, and review articles.
  - Now all these suggestions have been included in the revised course contents.
- Prof. Tiratha Raj Singh discussed the genesis of introducing Advances in Bioinformatics course to PhD students of the department. Prof. Singh presented the details of the syllabus for this course.
  - Prof. TC Bhalla said that the course contents are well-framed, but it would be better if some advanced topics or research article-based concepts will be covered in one or some of the units. Now this point has been added in the last unit of the revised course contents.
- Dr. Udayabanu presented the course curricula for B.Tech Biotechnology and B.Tech Bioinformatics. The genesis of the curriculum modification is to streamline the curriculum across institutions of Jaypee Higher Education, accommodating students for exchange programs within sister institutions of Jaypee Higher Education and overseas institutions.
  - B.Tech Biotechnology Course curriculum has been aligned with the course curriculum of IIIT Noida for the 2024-25 Batch onwards.
    - For the 2024-25 Batch, the curriculum of IIIT Noida is adopted from the third semester onwards (Annexure II).
    - For the 2025-26 Batch, the curriculum of IIIT Noida is adopted from the first semester onwards (Annexure III).
    - The project is dropped in all semesters until the fifth semester. For the 2024-25 Batch, the project is dropped from the third semester to the fifth semester.
    - Summer Training is introduced during the first, second, and third-year vacation periods. The evaluation will be done in the subsequent semester after vacation.
  - The B.Tech Bioinformatics Course Curriculum is aligned with the CSE Course curriculum of IIIT for the 2024-25 Batch onwards.
    - For the 2024-25 Batch, the CSE IIIT curriculum is adopted from the third semester onwards (Annexure IV).
    - For the 2025-26 Batch, the CSE IIIT curriculum is adopted from the first semester onwards (Annexure V).
    - The project is dropped in all semesters until the fifth semester. For the 2024-25 Batch, the project is dropped from the third semester to the fifth semester.
    - Summer Training is introduced during the first, second, and third-year vacation periods. The evaluation will be done in the subsequent semester after vacation.
    - Minor Program in Bioinformatics (Annexure VI).

The following was the gist of the discussion on the agenda item proposed


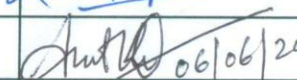
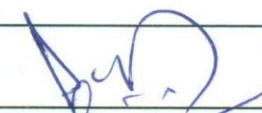
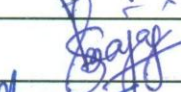
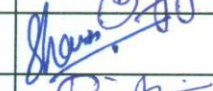


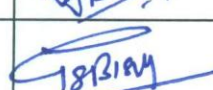
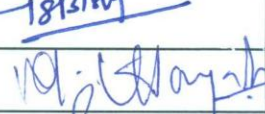



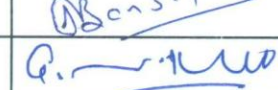
- The external Board of Studies members agreed in principle to the proposed modifications to the course structure.
- Most of the Internal members also agreed to adopt the course structure and curriculum for better maneuverability of the exchange program, but expressed their concerns about the following.

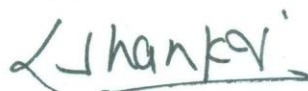
1. Our course contents have been rigorously scrutinized and aligned with those of IITs and other reputed Institutes/Universities in recent years; however, they were concerned about the course contents of their respective courses being adopted.
2. There should be a certain level of academic freedom to modify the contents according to the expertise, wisdom, and point of view of the faculty teaching the course.
3. The whole house was of the view that the student exchange program, if any in the future, should be on a reciprocal basis, i.e., an equal number of students should be exchanged between the sister organisations.

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## ATTENDANCE SHEET: BoS meeting of the Department of Biotechnology and Bioinformatics held on 03.06.2025

Name and Designation		Signature or consent by email
Prof. Jata Shankar, HOD, Dept. of BT and BI	Chairman	
Prof. Anil Kant, Professor, Deptt of BT and BI	Member	 06/06/2025
Prof. T.C. Bhalla, Ex-Professor Emeritus, Dept. of Biotechnology, HPU Shimla	External Member BoS	Present online and minutes endorsed via the attached email
Prof. G.P.S. Raghava, Prof and Head, Dept. of Computational Biology, IIIT-Delhi, (External Member BoS)	External Member BoS	Present online and minutes endorsed via the attached email
Prof. P.B. Barman, Head and Professor, Dept. of PMS, JUIT	Member	
Prof. Rakesh Bajaj, Head and Professor, Dept. of Mathematics, JUIT	Member	
Prof. Shruti Jain, Professor, Dept. of Electronics and Communications	Member	
Prof. Tiratha Raj Singh, Professor, Dept. of BT and BI	Member	
Prof. Rahul Shrivastava, Professor, Dept. of BT and BI	Member	
Prof. Gopal Singh Bisht, Professor, Dept. of Biotechnology and Bioinformatics	Member	 18/06/25
Dr. Udayabanu M, Associate Prof, Dept. of BT and BI	Member	
Dr. Poonam Sharma, Associate Prof, Dept. of BT and BI	Member	
Prof. Hemant, Professor, Dept. of BT and BI	Member	
Dr. Saurabh Bansal, Associate Prof, Dept. of BT and BI	Member	
Dr. V.K. Garlapati, Associate Prof, Dept. of BT and BI	Member	



Prof. Jata Shankar Kumar  
Chairman BoS,  
HOD, Dept. BT and BI.  
JUIT Wagnaghat



Sonika Gupta &lt;sonika.gupta@juitsolan.in&gt;

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## Minute of BoS Meeting June 2025

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**Tek Chand Bhalla** <bhallatc@rediffmail.com>

9 June 2025 at 08:00

To: Anil Kant &lt;anil.thakur@juitsolan.in&gt;, sonika.gupta@juitsolan.in

Dear Prof Anil Kant,

This has reference to the minutes of meeting of BOS of the Department of Biotechnology and Bioinformatics of Jaypee University of Information Technology (JUIT), Wagnaghat, Solan held on June 3, 2025 and communicated to me. I have gone through the minutes following the link given in your mail. The discussions, views and suggestions of members of the BOS and the decision taken on the agenda items have been nicely recorded. As external member of the BOS, I endorse/approve the minutes of the meeting held on June 3, 2025. As desired the mail is also being sent to [sonika.gupta@juitsolan.in](mailto:sonika.gupta@juitsolan.in).

Regards

Prof. T. C. Bhalla

Former UGC-BSR Faculty Fellow

Department of Biotechnology

Himachal Pradesh University

Summer hill, Shimla-171 005

INDIA

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Sonika Gupta &lt;sonika.gupta@juitsolan.in&gt;

## Fwd: reg amendment in the curriculum revision

Gajendra P.S. Raghava &lt;raghava@iiitd.ac.in&gt;

19 July 2025 at 13:33

To: Anil Kant &lt;anil.thakur@juitsolan.in&gt;

Cc: Tek Chand Bhalla <bhallatc@rediffmail.com>, "Dr. Shruti Jain" <shruti.jain@juitsolan.in>, All\_faculty\_bibt <all\_faculty\_bibt@juitsolan.in>, All\_hod <all\_hod@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Jata Shankar <jata.shankar@juitsolan.in>, Udaybanu M <udayabanu.m@juitsolan.in>, Sonika Gupta <sonika.gupta@juitsolan.in>

It is fine for me, no comment from me.

With regards and best wishes

Raghava

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# ===== #
# Prof. Gajendra P. S. Raghava, Department of Computational Biology, #
# Indraprastha Institute of Information Technology (IIIT), Okhla Phase III, #
# New Delhi 110020 ; Phone:+91-11-26907444 #
# ===== #
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PS: Former Chief Scientist, CSIR-Institute of Microbial Technology, Chandigarh

Web: <http://webs.iiitd.edu.in/raghava/>

GS: <https://scholar.google.co.in/citations?user=XK5GUiYAAAAJ>

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