



Ref. No.: DYP CET/ENGG/

Date:06/06/2023

## Minutes of Fourth Board of Studies Meeting

The fourth meeting of Board of Studies of Computer Science and Engineering was held on **05<sup>th</sup> June 2023 at 10.00 a. m.** The meeting was chaired by Dr. G. A. Patil, Chairman, Board of Studies, Computer Science and Engineering.

**Venue: - Department library**

Following members were present for the meeting

1	Dr. G. A. Patil	15	Dr. Ganesh V. Patil
2	Dr. B. D Jitkar	16	Dr. Siddheshvar V. Patil
3	Dr. R.B. Ingale	17	Ms. Shobha B. Patil
4	Dr. G. V. Chowdhary	18	Mrs. Ketaki A. Bhosale
5	Dr. B. F. Momin	19	Mr. Ajinkya S. Yadav
6	Dr. U. L. Kulkarni	20	Mr. Vishal V. Mangave
7	Mr. Anand. A. Mugale	21	Mrs. Sonali V. Shinge
8	Mrs. Mayuri M. More	22	Mrs. Dhanashree R. Patil
9	Prof. Mr. A. J. Jadhav	23	Mrs. Ranjita S. Jadhav
10	Prof. Mr. M. A. Pardesi	24	Mrs. Kirti S. Mahajan
11	Dr. Mrs. J. N. Jadhav	25	Mrs. Swati S. Killikat
12	Prof. Ms. R. J. Dhanal	26	Mr. Sudrashan N. Sutar
13	Prof. Mrs. S. S. Kokate	27	Mrs. Vijaylaxmi U. Patil
14.	Prof. Mr. K. T. Mane		

**Item No. 1: Welcome** – At the beginning of the meeting, Welcome address was given by Mrs. Ranjita Jadhav to all the members who were present in physical as well as online mode. Dr. R. B.

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Ingle, Dr. Girish Chowdhary, Dr. B. F. Momin and Ms. Radhika Dhanal joined the meeting in online mode.

**Item No.2: Confirmation of minutes of previous BoS meeting**

Minutes of the previous BoS meeting were read by Ms. Shobha Patil. Most of the suggestions given during the 3<sup>rd</sup> BoS meeting by BoS members, conducted on 7<sup>th</sup> May 2022, were incorporated in TY Syllabus except the following:

1. Uploading projects on the YouTube channel of the department
2. Conducting SDN lectures by industry experts

Chairman assured the BoS members that it will be done in the new academic year.

**Resolution:** The minutes of previous BoS meeting were and confirmed

**Item No.3: Discussion on the proposed structure of final year B. Tech. program in CSE**

The structure of final year B. Tech. was presented wherein there were two tracks proposed as follows:

1. Academic track.
2. Industry/Professional track.

Having discussed in detail the pros and cons of final year B. Tech. structure, the following suggestions were given:

Sr. No.	Subject	Suggestions given by	Suggestions
1	Final year B. Tech. Syllabus Structure-Discussion on the	Mrs. Mayuri More	1. Credits to be properly adjusted for Industry/ Professional track ( Project -V Course) and Academic track
		Dr. B. F. Momin	1. This is an ideal structure for B. Tech Course but difficult to practically implement if courses are to be completed by students in semester VIII. It can be implemented, provided, students are made free with



	Industry track		<p>no academic work completion during the semester VIII for Industry track.</p> <ol style="list-style-type: none"> <li>2. Companies put lot of restrictions on students.</li> <li>3. Methodology of assessment for evaluation of students has to be properly mentioned.</li> <li>4. TPO must call HR meeting and discuss industry internship track/scheme.</li> <li>5. Prerequisite should be taken before sending students to Industry.</li> </ol>
2		Dr. Rajesh Ingle	<ol style="list-style-type: none"> <li>1. Industry connection is required, so we need some methodology and coordinator from department side to execute the industry track.</li> <li>2. Separate Dean/Coordinator should be exclusively appointed for this execution without any academic load.</li> <li>3. Define the scheme to conduct the exam for industry/ professional track. If exam can be conducted at industry site, it would be better.</li> <li>4. Assess the cognitive load on students.</li> <li>5. Professional electives should be independent of each other.</li> <li>6. Ask students regarding prerequisites required before opting Professional electives then only choose professional electives. In case if not done, they have to do bridge course.</li> </ol>



			7. Prerequisite of every professional elective/ Open elective should be defined and written in the form of paragraph clearly in the syllabus.
3		Dr. Girish Chowdhary	<ol style="list-style-type: none"> <li>1. Proposed industrial track structure is complex and practically difficulty to implement if students are asked to take courses in MOOCS and do industry projects at same time.</li> <li>2. Monitoring &amp; Assessment is very critical for faculty as faculty does not have right contact with industry mentor/manager.</li> <li>3. Think of sending faculty to industry and meet reporting manager or industry mentor.</li> <li>4. Don't ask Students who opt industry track to do professional elective as it will be burden for them.</li> <li>5. Keep structure flexible.</li> <li>6. Refer practice school of BITs, Pilani for execution of Industry track.</li> <li>7. Pay additional 50% salary in vacation to faculty for evaluation of Internships project by visiting the respective industry along with Industry mentor. TA and accommodation should be provided by institute.</li> <li>8. Academic calendar and MOOC course calendar should go in parallel or it will be difficult to declare the result.</li> <li>9. Don't ask Students who opt industry track to do college project.</li> </ol>



			10. Combine all Professional Elective courses in one list and offer only those based on the availability of faculty.
4		Mr. Sudarshan Sutar	a) Types of Internships – 6 months, 3 months, PPO offer b) Training Internship. 1. TPO assured to conduct meeting with HR.

### Common Decisions:

It was decided to assign 18 credits for the industry/professional track. Students can do global certification along with professional track and these global certifications can be provided by industry too. The professional track should not include only documentary work.

**Resolution:** - The proposed structure was approved considering all the common decisions taken and suggestions given.

### Item No.4: Presentation and discussion on the proposed syllabus of final year B. Tech. program in CSE

The syllabus of final year B. Tech. was presented by the faculty members subjectwise. Having discussed in detail the contents of final year B. Tech. syllabus the following suggestions were given:

Sr. No.	Subject	Suggestions given by	Suggestions
1	Advanced Database Systems	Dr. Girish Chowdhary, Dr. B. F. Momin	1. Remove Data Mining and Business Intelligence Unit 2. Another elective can be offered parallel to this course named as Data Mining
2	Advanced	Dr. Girish	1. ADS Lab should be Professional Elective Lab



	Database Systems Laboratory	Chowdhary, Dr. B. F. Momin	course. 2. Add assignment on Cassandra 3. Add course project as last assignment
3	Software Architecture	Dr. U. L. Kulkarni, Dr. Girish Chowdhary	1. Content is not matching to the subject. 2. More in-depth architecture is required. 3. Chapters/Contents should be revised 4. Roger Pressman book should be added in textbook list. 5. Contact Dr. A. W. Kiwlekar from BATU for details of contents.
4	Machine Learning	Dr. U. L. Kulkarni, Mr. Anand Mugale, Dr. G. A. Patil	1. Include case studies on algorithms which are not included in Units. 2. Include case study on Classification Algorithm 3. Case study—ISE-I & ISE-II 4. Add Random Forest Algorithm in syllabus. 5. Add NPTEL resources.
5	Open Elective-II- Web Application Development	Mr. Anand Mugale, Dr. Girish Chowdhary	1. Add blog writing assignment- bloggers / WordPress 2. Add overview of TCP/UDP protocols in First- and second-unit contents
6	Advanced Programming Lab-II	Mr. Anand Mugale	1. Migration of Python, full stack, java to Node JS. 2. Migration of MySQL to MongoDB 3. Migration of Angular JS to other. Above assignments to be added.
7	Blockchain Technology	Dr. Girish Chowdhary,	1. Assignment on Agriculture domain using blockchain technology.



		Dr. U. L. Kulkarni, Mrs. Mayuri More	<ol style="list-style-type: none"> <li>2. Add all S/W tools in 5<sup>th</sup> unit</li> <li>3. 6th unit: - Issues in block chain profit &amp; losses of crypto currency</li> <li>4. Add mini project</li> <li>5. Remove Blockchain Technology from Professional Elective-IV and add it into Professional Elective-III</li> </ol>
8	Professional Elective-IV- HCI	Dr. U. L. Kulkarni, Mrs. Mayuri More	<ol style="list-style-type: none"> <li>1. Add UI Design as a course title</li> <li>2. UI/UX Interface contents</li> <li>3. GUI contents to be added.</li> <li>4. Add Windows cascading</li> <li>5. In detail Points should be added in units.</li> <li>6. Refer Lovely Punjab University (LPU) syllabus</li> <li>7. Only mobile applications are considered, Touch all aspects of UI implementation in Android, MAC.</li> <li>8. Mold subject with specific requirement</li> <li>9. Implement mini- project with UI design</li> </ol>

**Resolution:** It was resolved to do the corrections suggested by the BoS members. Changes will be done as per the suggestions given. Thus, the curriculum and subject-wise syllabus contents of Final B.Tech. Program in CSE is approved with the incorporation of the above suggestions.

**Item No. 5: Discussion on modification in Second Year B. Tech. structure and syllabus of few courses.**

The revised SY B Tech Structure and syllabus was displayed to all BOS members. Having discussed in detail following course-wise suggestions were given:

Sr. No.	Subject	Suggestions given by	Suggestions
1	Operating	Dr. G. A. Patil	1.Remove Role play activity from assignment



	Systems		<p>2.Remove case studies</p> <p>3.Add file system calls, N/U system calls</p> <p>4.Add minimum 12 assignments</p> <p>5. Add Data structures in 3<sup>rd</sup> semester.</p>
2	Data Structures	Dr. Girish Chowdhary, Dr. G. A. Patil	1. Add Data structures in 3 <sup>rd</sup> semester
3	Computer Networks	Dr. U. L. Kulkarni, Mr. Anand Mugale, Dr. G. A. Patil, Mrs. Mayuri More	<p>1. Add ARP, ICMP, IGMP in Syllabus</p> <p>2. Unit-6 only keep DNS. Hide other points of DNS</p> <p>3. Introductions to DNS - Point</p> <p>4. Add also CISCO/ Wireshark Packet Tracer</p> <p>5. Add Compulsory 12 experiment for implementation</p> <p>6. Firewall &amp; Net gate to be added in Experiments</p> <p>7. Computer Networking: A Top Down approach by Jim Kurose This book should be referred</p> <p>8. Introduce IPV6 in syllabus</p> <p>9. Divide CN as CN-I &amp; CN-II</p> <p>10. Networking kit- Benchmark</p> <p>11. Privacy kit I – Security. Purchase it for lab</p> <p>12. Simulation of topology.</p>
4	Software Engineering	Dr. G. A. Patil	<p>1. Add Unit on Secure coding</p> <p>2. Add UML diagrams as a separate unit.</p> <p>3. Remove the coding part</p>





			<ol style="list-style-type: none"> <li>4. Execute case studies in groups.</li> <li>5. Take industry person help for practical orientation.</li> <li>6. Add an Integrated approach for S/W by Pankaj Jalote</li> <li>7. Live customer / hypothetical customer to be used to gather requirements in order to get a feel to student</li> </ol>
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**Resolution:** The revised S. Y. B. Tech. Structure was approved considering all the common decisions taken and suggestions given.

**Item No. 6:** Discussion on Panel of Paper Setters & Examiners

The panel of paper setters was placed and discussed. It was suggested to add numerical questions and GATE questions in the question paper.

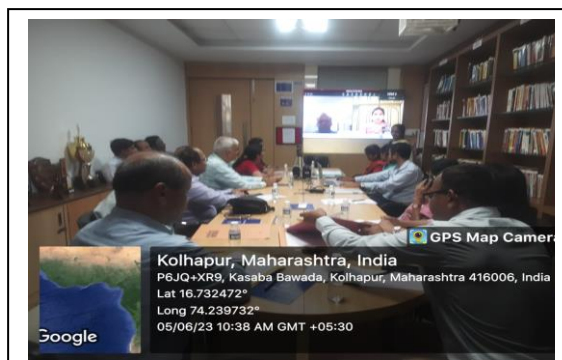
**Resolution:** It was resolved that a panel of examiners be forwarded to the Academic Council for approval and authorization.

**Item No. 7:** Any other point with the permission of Chairman

No point was raised.

**Item No. 8:** Vote of Thanks

**Resolution:** The meeting was concluded with vote of thanks by Dr. B. D. Jitkar.



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**Chairman**  
Board of Studies  
Computer Science and Engineering

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