## MINUTES OF THE MEETING

## EIGHTH BOARD OF STUDIES

**DATE:** 22-July-2023, AT 10.30 AM

**VENUE: Seminar Hall, Department of Computer Science and Engineering**

The **8th** meeting of Board of Studies (BoS) of Undergraduate Programme, B.Tech., at **Department of Computer Science and Engineering, ADCET, Ashta** was held on 22-07-2023, at 10.30 AM in offline mode.

**Dr. Suhel Sayyad, HOD CSE chaired the Meeting.**

**Following is the list of BoS Members:**

| Sr. No. | Name | Position |
|---|---|---|
| 1. | **Dr. Suhel Sayyad** Head and Chairman BoS, Department of Computer Science and Engineering, ADCET, Ashta, Sangli | Chairman |
| 2. | **Dr. Amol Admuthe** Professor, Rajarambapu Institute of Technology, Sakhrale | VC Nominee |
| 3. | **Dr Parikshit Mahalle** Professor, Vishwakarma Institute of Information Technology, Pune | Member (Academic Expert) |
| 4. | **Dr Shafi Pathan** Professor, MIT ADT University, Pune | Member (Academic Expert) |
| 5. | **Dr Annappa** Professor, NITK Surathkal | Member (Academic Expert) |
| 6. | **Ms. Amruta More** Director, OPRA IT Solutions, Pune | Member (Alumni Representative) |
| 7. | **Mr. Ritesh Nehete** Domain Consultant, Cloud Infrastructure, TCS Pune | Member (Industry Expert) |
| 8. | **Mr. S. D. Khatawkar** | Member-Secretary |

| Sr. No. | Name | Position |
|---------|------|----------|
|  | Assistant Professor, Department of Computer Science and Engineering, ADCET, Ashta |  |
| 9. | **All faculty members, CSE Department** | Members |

❖ Dr. Amol Admuthe, Dr Shafi Pathan, Dr Annappa, Mr. Ritesh Nehete attended the meeting.

❖ The Chairman extended a warm welcome to all the members in the meeting.

❖ Mrs A. N. Mulla introduced all members of BoS with their short profiles at the beginning.

❖ Mr. S. D. Khatawkar presented vote of thanks to end up the meeting.

**Agenda of the meeting and resolutions are as follows:**

**Agenda Item No.1: To confirm the minutes of the meeting of BoS held on 20/08/2022**

➢ The minutes of the meeting of BoS held on 20/08/2022 were confirmed by all members.

**Agenda Item No.2: To place before the BoS the report about the action taken on the decisions of its meeting held on 20th August 2022**

➢ Dr Sayyad conveyed that changes suggested by honorary members of BoS panel are accommodated in syllabus design and produced the supporting documents.

**Agenda Item No.3: To discuss the implementation of NEP Compliant Curriculum.**

1. Dr Sayyad informed that following points were given by institute as a guideline to design NEP compliant syllabus.

   A. The Four Year Bachelor Multidisciplinary Engineering Degree Program shall comprise of 170 Credits.

      a. First Year –   40 Credits
      b. Second Year – 45 Credits
      c. Third Year –   45 Credits
      d. Fourth Year – 40 Credits

B. Below mentioned are category of courses and their respective credit weights

| Category | Sub Category | Credits |
|---|---|---|
| Basic Sciences | | 14-16 |
| Engineering Sciences | | 12-14 |
| Major – | Program Core | 74-80 |
| Major – | Program Electives ( 5 Courses) | |
| Minor | | 14 |
| Open Electives – other faculty (eg. Pharmacy, Arts, etc.) | | 08 |
| Vocational and Skill Courses | | 08 |
| Humanities and Social Sciences | Ability Enhancement Course | 14 |
| | Entrepreneurship/Economics/ Management Courses | |
| | Indian Knowledge System | |
| | Value Education Course | |
| Experiential Learning Courses | Research Methodology/ Project/ Mini Project/ Internship | 18 |
| Co-curricular Courses | | 4 |
| | **Total** | **170** |

2. Following points were informed by Dr. Sayyad regarding above structure.

   A. Minor courses will be offered from interdisciplinary branches

   B. If student exits from course before completing it, student can rejoin courses before 3 years after taking bridge courses if required due to curriculum change.

   C. ADCET has recruited faculty for teaching extracurricular activities like Dance, Music etc for holistic student development and offering minors in non-engineering branches.

   D. Department is in process of signing MOU with esteemed institutes in nearby region to offer Open Elective courses from non- engineering branches like Pharmacy, Arts, Commerce etc.

   E. Professional Elective courses offered by department are in line with PSO's of department.

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3.  Dr. Admuthe and Dr. Pathan suggested that Minor course should have 2 hours theory and 2 hours lab session.

4.  Dr. Pathan suggested that every semester, student should undergo one miniproject.

5.  Minor courses start from 4th semester so that lateral entry students can select their courses with sufficient thought process.

6.  Mr. Ritesh Nehete suggested that minor courses should be offered in such a way that students of other branches should be ready for placement in IT industries.

7.  Dr. Sayyad showed the list of Minor courses those will be offered by department and ensured that students of other departments will be ready for placement in IT industry. These courses include Data Structures, Database Engineering, Software Engineering, Operating systems and Computer Networks. He also informed that contents of these courses are relatively less complicated so that students of other branches can cope up easily.

8.  Dr. Pathan suggested that teaching and assessment methodology for Minor subjects offered by department should be different than methodology used for CSE students.

**Agenda Item No.4: To discuss and approve Second Year to Final Year Structure (Revision 2)**

1.  Dr. Sayyad presented Proposed Second year syllabus structure (Revision 2) designed as per guidelines of ADCET.

2.  In every semester 2 lab courses will be assessed by external faculty during ESE.

3.  In every semester students will undergo at max 4 theory courses for ESE.

4.  Dr. Sayyad asked panel members whether 3-0-2 or 2-0-4 structure is more suitable for subjects like Data Structures and Programming languages.

5.  Dr. Pathan suggested that faculty can demonstrate concepts during theory sessions and number of lectures can be kept same.

6.  Dr. Annappa suggested to club theory and lab courses under single course code instead of making separate heads in the structure. He supported the suggestion of Dr Pathan.

7.  Mr. Ritesh gave opinion that industry expects students to spend more time in laboratory than theory.

8.  Dr. Admuthe highlighted that contact hours in Semester IV are less than contact hours in Semester III.

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9. Dr. Admuthe suggested that Programming courses like JAVA and C++ should have 4 hours lab and only 1 hour theory session per week.

10. Dr. Annappa and Dr Pathan suggested that instead of offering 4 different programming languages in the form of 4 different subjects, offer only 2 subjects and introduce more number of domain specific core subjects.

11. Dr. Admuthe suggested that instead of offering C++ and JAVA Programming as two different courses, offer OOP using JAVA as a single course.

12. Dr. Sayyad replied to these suggestions with following points

   ➢ C, C++ and JAVA should be taught as different courses to accommodate all concepts in sufficient depth.

   ➢ Content of these courses are designed as per the requirement of mass recruiter companies like KPIT and TCS.

13. Mr. Nehete emphasized that course contents of Programming subjects should be inline with placement requirements of IT companies.

14. Dr. Sayyad presented Proposed Third year syllabus structure (Revision 2).

15. Dr. Annappa suggested that DAA subject should have structure of 3-0-4 with python as implementation language so that Python programming subject can be removed and scope can be created for extra core subject.

16. Dr. Pathan and Dr Annappa suggested that more courses from Information security domain should be incorporated in curriculum.

17. Dr. Pathan suggested to conduct specialized training sessions between semester gaps to cover more technical depth and breadth of industry placement requirements.

18. Mr. Ritesh suggested that student should have proficiency in Cloud Computing and Cyber security subjects.

19. Dr. Pathan and Dr Annappa suggested that department should have horizontal domain specific subject buckets like Networking, Cloud computing, Data Science for elective subjects.

20. Mr. Ritesh supported the suggestion with argument that this will lead to domain specific placement with better package.

21. Dr. Sayyad responded to this suggestion by specifying CSE department offers Honors in Cloud Computing and students can take minors offered by IOT and AIDS departments.

**Dr Sayyad presented Proposed Final year syllabus structure (Revision 2).**

1. Dr. Sayyad presented the list of PE and OE courses and he highlighted that all subject syllabus content is designed with sufficient care to include GATE syllabus.

2. Dr. Admuthe suggested that instead of Advanced DBMS include subjects like NoSQL, Full Stack development.

3. Dr. Sayyad informed that department will conduct specialized training sessions on topic like Full Stack development, Node JS during semester gaps.

4. Dr. Sayyad presented various exit options for students, these are as follows:

| Sr. No. | Option | Degree/Certification Offered |
|---------|--------------|------------------------------|
| 1 | After First | Certification |
| 2 | After Second | Diploma |
| 3 | After Third | B. Voc. |

If student wants to opt Exit option at a specific point, student has to undergo lab based course in order to get the Certificate/ Diploma / Degree document.

**Agenda Item No.5: To discuss and approve the curriculum contents of Second Year (Revision 2)**

A. **Course: Discrete Mathematics**
   Dr. Pathan suggested,

   ➤ Add prerequisite for the subject

   ➤ Change in Sequence of units is required

B. **Course: Data Structures**
   Syllabus was accepted without any change

C. **Course: Computer Organization and Architecture**
   Syllabus was accepted without any change

D. **Course: Operating Systems**
   Dr. Admuthe suggested,

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➤ Unit 1 content should be revised

➤ Contact hours of unit 1 should be reduced

Dr. Pathan suggested to add Disk scheduling topic in Unit 6

**E. Course: Data Structures Laboratory**
Syllabus was accepted without any change

**F. Course: COA Laboratory**
Syllabus was accepted without any change

**G. Course: Operating Systems Laboratory**
Syllabus was accepted without any change

**H. Course: C++ Programming**
Advance topics should be covered in the syllabus content and lab experiments

**I. Course: Database Engineering**
Syllabus was accepted without any change

**J. Course: Professional Elective I- Storage Network**
Syllabus was accepted without any change

**K. Course: Professional Elective I- Adhoc Networks**
Syllabus was accepted without any change

**L. Course: Professional Elective I- Advance Mobile Communication**
Syllabus was accepted without any change

**M. Course: Professional Elective I- Cyber Law**
Syllabus was accepted without any change

**N. Course: Database Engineering Laboratory**
Dr. Admuthe suggested to convert study experiment into implementation experiment

**O. Course:  Java Programming**
Syllabus was accepted without any change

**P. Course: Minor I – Software Engineering**
Syllabus was accepted without any change

**Agenda Item No.6: To discuss the Feedback and analysis given by Employer, Alumni, Faculty and Students.**

➢ Dr. Sayyad presented and explained the summary of feedbacks received from employer, alumni, faculty and students

**Agenda Item No.7: To note the student's performance, placement and internship records for Academic year 2022-23.**
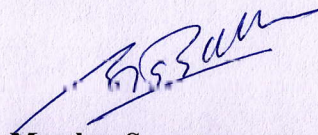
➢ Dr. Sayyad presented and explained the summary of the student's performance, placement and internship records

➢ Dr. Sayyad highlighted that department is trying to improve the count of students passed with First class and distinction.
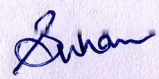
**Resolution:-**

After undergoing the changes revised Curriculum will be sent to BoS for approval

**Agenda Item No. 7: Any other item with the permission of the chair**
Additional points were not raised by panel members for discussion.

**Member Secretary**
**Board of Studies (BoS)**
**(BoS)**

**Chairman**
**Board of Studies**