PCCOE/COMP/2023-24/782

	Pimpri Chinchwad Education Trust's **Pimpri Chinchwad College of Engineering**	

Minutes of Meeting: 8th Board of Studies on 07th May 2024

Department: Computer Engineering **Academic Year**: 2023-2024 **Semester: II**

Date: 07/05/2024

The Eighth meeting of the Board of Studies of the Department of Computer Engineering (PCCoE) was held on Tuesday 07/05/2024 at 10:00 am in the LRDC Hall, PCCoE.

Following members were present:

Sr. No	Name	Designation
1.	Dr. H. S. Guruprasad	Professor, BMS College of Engineering, Bangalore, Karnataka, India
2.	Dr. O.P. Vyas	Professor, Department of Information Technology, Indian Institute of Information Technology - Allahabad
3.	Mr. Manoj Apte	Global Head - Learning & Development, Persistent University. Persistent Systems.
4.	Dr. Aamod Sane	Professor, Computer Science, Flames University, Pune.
5.	Dr. Abhijat Vichare	Abhijat Research and Software Consultant, System Software
6.	Mr. Rahul Kulkarni	Co-Founder DoNew Innovations LLP, Pune
7.	Dr. R.Venkateswaran	Professor of Practice , PCCOE
8.	Dr. K. Rajeswari	Professor & Head
9.	Dr. Swati Shinde	Professor & Dean R&D
10.	Dr. S. S. Sambare	Associate Professor

11.	Dr. Rachana Patil	Associate Professor
12.	Dr. Srinivas Ambala	Associate Professor
13.	Dr. Mubin Tamboli	Associate Professor
14.	Dr. Avinash Bhute	Associate Professor
15.	Dr. Sujata Kolhe	Associate Professor
16.	Dr. Rahul Patil	Assistant Professor
17.	Mrs. B. Mahalaxmi	Assistant Professor
18.	Mrs. Sushma Vispute	Assistant Professor
19.	Mrs. Archana Kadam	Assistant Professor
20.	Dr. Deepa Abin	Assistant Professor
21.	Dr. Madhura Kalbhor	Assistant Professor
22.	Mr. Atul Pawar	Assistant Professor

Leave of absence was granted to following Members and Invitees:

1	Dr. Geetanjali Kale	Head & Associate Professor, Department of Computer Engineering, SCTR's PICT, Pune
2	Dr. Madhavi Ajay Pradhan	Associate Professor Department of Computer Engineering, All India Shivaji Memorial Society's College of Engineering, Pune
3	Mr. Ronald Mascarenhas	Senior Solution Consultant at SAS
4	Dr. Reena Kharat	Associate Professor, PCCoE
5	Dr. Pravin Game	Associate Professor, PCCOE`

Agenda for the meeting: -

1. Proposed Curriculum Structure as per NEP 2020
2. Proposed S.Y. B. Tech Curriculum Structure and Syllabus
3. Proposed OEC offered to other branch students
4. Proposed OEC offered to Computer Engineering Students
5. Field Project/ Community Engineering Project guidelines
6. Proposed Multidisciplinary Minor (MDM) offered by Computer Engineering Department
7. Proposed MDM for Computer Engineering Department to be offered by other departments

8. Proposed B. Tech Curriculum Structure and Syllabus for Computer Engineering (Regional Language)
9. Proposed M. Tech Curriculum Structure and Syllabus
10. Proposed B. Tech Curriculum Structure and Syllabus for Computer Engineering (Working Professionals)
11. Proposed minor changes in F.Y. B. Tech courses
12. Proposed New Examination scheme for 2020 courses (All Years)
13. Any other point
14. Vote of Thanks

Following points were discussed during the meeting:

Welcome and Introduction of BoS Members

1. On behalf of the Computer Engineering department, Prof. Rucha Shinde welcomed all the BoS members. She introduced all external BoS members.
2. Prof. Rucha Shinde handed over to Dr. K. Rajeswari, Head of the Department and BoS Chairman for further proceedings. Dr. Rajeswari welcomed all the members and gave a brief introduction about the department. She presented the Vision Mission of the Computer Department along with the growth of the department. She also thanked all BoS Members for their valuable presence. She handed it over to Dr. Rachana Patil, autonomy coordinator, to start with the agenda points.
3. Dr. Rachana Patil briefed about the previous BoS meetings and the resolutions of the 7th BoS meeting. The minutes of the 7th BoS meeting got confirmed.

BoS: 08: 01: Proposed Curriculum Structure as per NEP 2020:

Dr. Rachana Patil presented the proposed Curriculum Structure of 160 credits as per NEP 2020 and sought the approval of the members for the same. The new curriculum will be of 160 credits comprised of

- Basic Science Course (BSC) of 14 credits
- Engineering Science Course (ESC) of 12 credits
- Programme Core Course (PCC) of 44 credits
- Programme Elective Course (PEC) of 20 credits
- Multidisciplinary Minor (MDM) of 14 credits
- Open Elective Course (OEC) of 8 credits
- Vocational and Skill Enhancement Course (VSEC) of 8 credits
- Ability Enhancement Course (AEC) of 4 credits
- Entrepreneurship/ Economics/ Management Course (EEM) of 4 credits
- Indian Knowledge System (IKS) of 2 credits

- Value Education Course (VEC) of 4 credits
- Research Methodology (RM) of 4 credits
- Community Engineering Project (CEP) Field Project (FP) of 2 credits
- Project (PROJ) of 4 credits
- Internship (OJT) of 12 credits
- Co-curricular Courses (CC) of 4 credits

She also presented the FY B Tech structure and syllabus as per NEP 2020, which was approved in the 7th BoS meeting.

Discussion:

1. Mr. Rahul Kulkarni raised a question whether this structure is compliant with the system of multi-exit criteria. Dr. Rajeswari replied positively.
2. Mr. Rahul Kulkarni suggested that Linguistics, Biology, and Physics should be preferred over Chemistry for FY computer students. Dr. K. Rajeswari explained that the courses offered by AS&H department are approved by their BoS; However, the department would request for the inclusion of suggested courses in the next cycle.
3. Dr. Venkateswaran raised a concern that learning three programming languages in the first year may hinder depth in one language and lead to syntactic confusion. He advocated for a reconsideration of the current approach to enhance students' learning outcomes. Many members agreed with him.
4. Mr. Manoj Apte proposed that instead of making the programming languages mandatory, if a choice is given to students such that they can opt for any language like – either C or Python.
5. Dr. Aamod Sane commented that C and C++ should be there as the starting courses, which will help the students understand how machines work at the low level, especially the memory management part. Once they are proficient, students can be exposed to languages with automatic memory management. He also commented that students are not old enough to make an informative choice. He introduced the concept of missing semesters, where students can learn the missed programming languages in a liberal environment beyond curriculum hours.
6. Dr. K. Rajeswari explained that in the first year courses, instead of programming language, emphasis is more on the mathematical aspects and logic building skills.
7. Mr. Rahul Kulkarni commented that in that case, students should be exposed to calculating GCD of million numbers in milliseconds instead of simple GCD calculation.
8. Dr. H. S. Guruprasad commented that instead of asking "Write a Program", code of 500 lines can be given to students for debugging. Mr. Manoj Apte and Dr. Venkateswaran seconded the same. All BoS members agreed that, with the advent of AI, and ChatGPT,

giving simple programming exercises to students is not sufficient. Instead, they should work with existing codes. Agreed to include debugging assignments.

9. Mr. Rahul Kulkarni suggested including Github and Prompt Engineering under the VSEC courses. Dr. K. Rajeswari replied that these suggestions can be considered while framing the syllabus of higher semesters.
10. Mr. Manoj Apte raised a query whether Testing is getting enough coverage in the syllabus. Dr. Rajeswari explained that courses like STQA are there in the higher semesters.
11. Dr. K. Rajeswari assured that these suggestions will be considered while framing the syllabus of TY and final year B Tech.

Resolution R-BoS: 08:01: The BoS resolved to approve the curriculum structure.

Resolution R-BoS: 08:02: It is resolved to communicate AS&H department for possible inclusion of Biology instead of Chemistry in the next iteration of the syllabus revision.

Resolution R-BoS: 08:03: It is resolved to add debugging and Github in higher semester courses.

BoS: 08: 02: Proposed S.Y. B.Tech Curriculum Structure and Syllabus

Dr. Rachana Patil presented the SY B Tech curriculum structure and outlined the syllabus for the courses falling under this structure. Specifically, she detailed the syllabus structure for the third and fourth semesters as follows:

3rd Semester: Program core courses (PCC) are Data Structures, Data Structures Laboratory, Microprocessor Architecture, and Microprocessor Architecture Laboratory.
The Open Elective courses (OEC) are OEC 1 and OEC 2. One course from corresponding Multidisciplinary Minor (MDM). JAVA Programming is Vocational and Skill Enhancement course (VSEC). (HSSM) EEM-I-Business studies for engineer, (VEC) Universal Human Values

4th Semester: PCC courses are Advanced Data Structures, Advanced Data Structures Lab, Database Management System , Database Management System Laboratory, (OEC) Open Elective Course 3, One course from corresponding MDM, (ELC) Community Engineering Project/ Field Project (CEP/FP), (HSSM) Entrepreneurship/ Economics/ Management Course-II, (AEC) Professional Development and Training , (VEC) Constitution of India

The forum was open for discussion.

Discussions:

1. Dr. Guruprasad raised a question about why DSA and DSA practical are separate courses. He was of the opinion that the evaluation of DSA theory and practical should be done together. Mr. Manoj Apte seconded the thought.
2. Dr. Guruprasad promoted the concept of Integrated Courses of theory and practical, especially for the programming courses.
3. Dr. Rahul Patil conveyed that a proposal for the same has already been submitted and it is under review of the higher authorities.
4. Dr. O. P. Vyas commented that it seems the knowledge of programming is getting extended linearly, adequate emphasis on the modeling part is not given. Dr. Sambare conveyed that the modeling part is covered in the Software Engineering course in further semesters.
5. Mr. Rahul Kulkarni commented that the UHV course content should be customized for the Computer Engineering students. It should not be a generic course. Dr. Rajeswari informed that as of now, UHV course is conducted as per UGC curriculum.
6. Dr. Guruprasad commented that Entrepreneurship should be taught and evaluated from a practical point of view like where to take permissions, which policies to follow, etc. Mr. Manoj Apte suggested involving the faculties of management institute and tie-up chapters of entrepreneurship would be beneficial for the students.
7. BoS members raised their concern over introducing another programming language Java in the third semester.
8. Dr. Venkateswaran commented that Design thinking should be mandatory. Dr. Rachana Patil conveyed that it is an elective course offered by As&H.
9. Dr. O. P. Vyas commented that there is a Govt. of India initiative of Capacity Building and Entrepreneurship, hosted by IIIT Kanchipuram. The course can be consulted for design thinking syllabus.
10. Dr. Guruprasad commented that the department should be involved in the course content designing and monitor the evaluation process as well for PDT courses. External agencies must be held accountable.
11. Dr. O. P. Vyas raised a query about the Multi entry-multi-exit specific courses. Dr. Rachana Patil commented that while exiting, students need to earn an extra 8 credits. Dr. O. P. Vyas suggested introducing these courses in such a way that the students are employable.
12. Mr. Rahul Kulkarni suggested that vocational and skill based courses should be designed in such a way that after each semester, a resume bullet can be added. It should be some source which makes them employable
13. Dr. Abhiijat Vichare suggested taking the feedback from industry about which courses will make the discontinuing students more employable.

14. It was suggested that Github should be part of practice. Theory assessment should be less.

Resolution R-BoS:08:04: The BoS resolved to approve the SY B Tech Curriculum structure and syllabus of Computer Engineering and Computer Engineering (Reegional).

Resolution R-BoS:08:05: It is also resolved that a note highlighting the concerns regarding PDT will be sent to T&P.

Resolution R-BoS:08:06: It is resolved to introduce Data Exploration and visualization in the third semester instead of Java Programming. So that students can gain in-depth knowledge of advanced Python which will be helpful for field projects.

BoS: 08: 03: Proposed Open Elective Courses (OEC) offered to other branch students

Dr. Rachana Patil presented the Open Elective Courses offered by the Computer Engineering department to other department students.

OEC - 1 (Sem-III): Fundamentals of Database Management System

OEC - 2 (Sem-III): Principles of Software Engineering

OEC - 3 (Sem-IV): Android Application Development with Kotlin

OEC - 4 (Sem-V): Agile Project Management

The forum was open for discussion.

Discussions:

1. Dr. H.S. Guruprasad asked about the challenges faced by the department while teaching the OECs as a Theory course. Dr. Rachana Patil commented that as some of these courses inherently require practicals, yet its current structure only accommodates theoretical hours, it poses a challenge for the teacher as well as learner. However, the faculty can conduct the sessions in the laboratory as well.
2. All BoS members disagreed with the idea of only theory hours and commented that courses like Android development using Kotlin, Web Development should be taught and evaluated in the lab only. He also commented that if the courses are taught with practicals, more non-circuit branch students will be attracted towards these open elective courses.
3. Dr. Aamod Sane suggested checking with 'Software Carpentry'.
4. Dr. Guruprasad commented that the difficulty level of open electives offered by all departments should be at a similar level.
5. Mr. Manoj Apte suggested active learning strategies like Peer Learning. Think Pair Share can be used. All seconded to the idea.
6. Dr. O. P. Vyas commented that OEC and MDM should be totally different as the objectives are different.

Resolution R-BoS:08:07: It is resolved that the courses would be floated as it is planned . If the concept of Theory-integrated-practicals gets approved, syllabus will be revisited.

BoS: 08: 04: Proposed OEC offered to Computer Engg Students

Dr. Rachana Patil presented the courses offered in the third and fourth semester as OEC for Computer department students.

OEC -1 Semester III

Mechanical:Material Informatics, Civil: E-waste management, E&TC: Designing with Arduino, AS&H: Mathematical Optimization

OEC -2 Semester III

Mechanical: Industry 4.0, Civil: Building services and Maintenance, E&TC: Electronic Product Design and Automation, AS&H: Statistics and Probability, Advance Material and Characterization

OEC -3 Semester IV

Mechanical: Energy Storage and Management, Civil: Total Quality Management, E&TC: Electronic Product Design and Automation, AS&H: Neural Network and fuzzy logic Control ,Computer: Android App Development with Kotlin

The course Android App Development with Kotlin is designed in association with Wordline (as an industry floated OEC), hence it is applicable to all departments.

OEC -4 Semester V

Mechanical: Model Based Systems Engineering, Civil: Remote sensing and GIS, E&TC: Advanced Driver Assistance Systems, AS&H: Numerical Techniques in Engineering, Computer: Agile Project Management.

The course Agile Project Management is designed in association with Persistent systems (as an industry floated OEC), hence it is applicable to all departments.

Discussions:

1. Dr. Guruprasad raised a query about how is the demand for courses offered by the Math department.
2. Dr. Rachana Patil Commented that these courses offered by the Maths department were compulsory courses in the first cycle of autonomy. But now in the second cycle of autonomy it is not compulsory, students can select any OEC from the applicable list of OECs.
3. Mr. Rahul Kulkarni suggested using Flutter instead of Kotlin. Dr. Bhute replied that Kotlin is offered in association with Worldline.

Resolution R-BoS:08:08:

The courses offered as OEC for Computer Engineering students are unanimously approved by the BoS members.

BoS: 08: 05: Field Project/ Community Engineering Project guidelines

Dr. Rachana Patil presented the guidelines and evaluation scheme for Field Project

Discussions:

1. Dr. Guruprasad suggested that 4 hours of lab hours in a Field Project should not be mandatory. The students should be given enough flexibility. Dr. Rajeswari commented that lab hours are added for the sake of the uniform curriculum structure. But, it can be conducted at a stretch in the winter vacation as well.

Resolution R-BoS:08:09:

BoS members unanimously resolved to approve the guidelines for Field Project/ Community Engineering Project guidelines

BoS: 08: 06: Proposed Multidisciplinary Minor (MDM) offered by Computer Engineering Department

Dr. Mubin Tamboli, MDM Coordinator, presented all the MDM programs and credit structure. He also presented the detailed course structures for all three MDMs namely a. Digital Marketing, b. Web Development, c. Computer Programming.

Digital Marketing :

Semester III: Foundations of Digital Marketing of 2 credits

Semester IV: Digital Marketing using Social Media of 2 credits

Semester V: Digital Marketing Techniques of 3 credits

Semester V: Digital Marketing Tools Laboratory of 1 credit

Semester VI: Fundamentals of E-Commerce of 2 credits

Semester VII: Capstone Project of 4 credits

Web Development:

Semester III: Fundamentals of Web Development of 2 credits

Semester IV: Web Designing using HTML & CSS of 2 credits

Semester V:Web Development with Java Script of 3 credits

Semester V: Web Development Laboratory of 1 credit

Semester VI:Web Design and Development Tools of 2 credits

Semester VII: Capstone Project of 4 credits

Computer Programming:

Semester III: Fundamentals of Problem Solving of 2 credits

Semester IV: Object Oriented Programming of 2 credits

Semester V :Data Structures of 3 credits

Semester V: Data Structures Laboratory of 1 credit

Semester VI: Application Development using Java of 2 credits

Semester VII: Capstone Project of 4 credits

Discussions:

1. Dr. Guruprasad asked whether this structure is fixed at the institute level itself? Dr. Rachana Patil explained that this structure is as per institute policy. Dr. O P Vyas commented that being an autonomous institute, PCCoE is having flexibility to design their own guidelines. For doing the same, a curriculum survey of reputed institutes can be conducted.
2. A question was raised on how web development / computer programming will be evaluated on pen and paper.
3. Dr. Guruprasad suggested having more brainstorming on the same.
4. Mr. Rahul Kulkarni said that Analytics is not reflected in the syllabus of Digital Marketing. He suggested consulting the syllabus floated by University of Rochester.
5. Dr. K. Rajeswari commented that analytics is part of the syllabus. We will rename the course accordingly.
6. Mr. Rahul Kulkarni commented that in Web Development MDM, backend technologies should be taught such that a complete project can be developed.
7. Dr. Venkateswaran suggested that three languages should not be covered in the MDM computer programming. Either Java or C++ can be there, preferably Java from Application Development point of view. Dr. Rajeswari explained that the emphasis is on the concepts of object oriented programming and data structures instead of implementing those using a certain language. Therefore, these two courses can be taught using Java.
8. Dr. Venkateswaran suggested to include DOM in Web Development.
9. Dr. Guruprasad suggested taking feedback from the students of other departments while designing the syllabus.
10. Dr. K. Rajeswari replied that feedback has been received from different HoDs as well as TnP.
11. BoS Members suggested that Digital Marketing MDM can be offered to Computer Engineering students as it will provide them an opportunity to explore the marketing domain, which is entirely different from the technical domain.

Resolution R-BoS:08:10: It is resolved unanimously by BoS members to approve the structure and syllabus of the MDMs.

Resolution R-BoS:08:11: It is resolved that analytics has been added in the "Digital Marketing Techniques" course and the same has been renamed as "Social Media Analytics" under the MDM of Digital Marketing.

Resolution R-BoS:08:12: It is resolved that the syllabus of Web Development will be updated with the inclusion of DOM concept.

Resolution R-BoS:08:13: It is resolved that the MDM in Digital Marketing will be opened to all including the students from Computer Engineering, Computer Engineering (Regional), CSE(AIML), and IT.

BoS: 08: 07: Proposed Multidisciplinary Minor (MDM) for Computer Engineering Department to be offered by other departments

Dr. Mubin Tamboli presented the courses offered as MDMs for Computer department students.

E&TC: Internet of Things (IoT), VLSI & Embedded systems with AI Integration, Introduction to Coexistence in Living

CSE (AI & ML): Generative AI

AS&H: English literature, German, Japanese, Universal Human Value

IT: Augmented and Virtual reality

Mechanical: Entrepreneurship, 3D Printing, Product Design and Development

Civil: Smart and Sustainable Cities

Discussions:

1. A suggestion was given that "Introduction to Coexistence in living" name should be changed to "Coexistence in living" as it's a MDM of 14 credits.

Resolution R-BoS:08:14: BoS resolved to send a note to E&TC suggesting the name should be changed.

Resolution R-BoS:08:15: It is resolved that all MDMs offered to Computer Engineering students are approved.

BoS: 08: 08: Proposed B. Tech Curriculum Structure and Syllabus for Computer Engineering (Regional Language)

Dr. Rachana Patil presented the B Tech structure and syllabus for Computer Engineering (Regional Language).

Discussions:

1. Dr. Guruprasad asked about the experience. Dr. Rachana Patil shared that as the course is delivered in a blended mode, it is resulting in student satisfaction and solid grasp of fundamental concepts.
2. Mr. Rahul Kulkarni suggested that GPU should be incorporated in cloud computing.
3. Dr. Venkateswaran suggested Docker should be incorporated in cloud computing.
4. Building upon Mr. Rahul Kulkarni and Dr. Venkateswaran's suggestions, Dr. Rachana Patil proposed that the integration of GPUs and Docker into cloud computing may be considered for inclusion in the next iteration of syllabus revision.
5. Dr. Guruprasad expressed his expectations that there should be 100% placement of these students with better average salary. Industry should also provide them some edge.

Resolution R-BoS:08:16:

It is resolved to approve the B. Tech Curriculum Structure and Syllabus for Computer Engineering (Regional Language)

BoS: 08:09: Proposed M.Tech Curriculum Structure and Syllabus

Dr. Aparna Joshi, PG coordinator, presented the curriculum structure of M Tech. The course structure of 80 credits is designed as per the NEP structures. Out of 80 credits, 46 credits are given for the experiential learning. There are a total of 16 courses. Dr. Aparna Joshi presented the credit distribution of M Tech courses.

Programme Core Course (PCC) of 10 credits

Programme Elective Course (PEC) of 20 credits

Vocational and Skill Enhancement Course (VSEC) of 4 credits

Research Methodology (RM) of 2 credits

Project (PROJ) of 32 credits

Internship (INT) of 4 credits

Seminar of 4 credits

MOOC of 4 credits

1st Semester:

The PCC courses offered are, Advanced Software Engineering and Project Management, Advanced Data Structures , and Advanced Data Structures Laboratory, The Program Elective Course (PEC) are PEC-1, PEC-2 and the respective lab courses, (VSEC) Skill Development Lab -1

2nd Semester:

(RM) Research Methodology , The Program Elective Course (PEC) are PEC-3, PEC-4 and the respective lab courses, (VSEC) Skill Development Lab -2 , (ELC) Research Internship, (ELC) Review paper Writing

3rd Semester:

The experiential learning courses are Dissertation-Phase - I [Company/Research project], MOOC -1, and MOOC -2.

4th Semester:

The experiential learning courses are Dissertation- Phase -II [Company / Research project] and Seminar

Discussions:

1. Mr. Rahul Kulkarni asked if there is any integrated M Tech program available as of now? Dr. Rajeswari conveyed that no such facility is available as of now.

2. Dr. Venkateswaran raised a concern about the need of teaching basic python programming in SDL? He commented that a CS graduate student must have a grasp of programming already. And if students are not comfortable with programming, how it is expected they would be performing

the ADS practical. Dr. K. Rajeswari explained that Python programming is essential due to its versatility, industry relevance, importance in data science and machine learning. This python course is to provide students an opportunity to revise from the basics and move towards a more advanced level. However, syllabus will be revisited to ensure that advanced level assignments are there .

3. Dr. K. Rajeswari sought opinion of BoS members on how to improve the coding skill of M Tech students considering the quality of M Tech intakes.

4. Dr. O.P. Vyas Shared his experience of IIIT Allahabad where half of the seats are reserved for integrated M Tech students. That way the culture of M Tech is enhanced. Through peer-learning the overall quality of the M Tech students has been enhanced remarkably.

5. Dr. Rajeswari shared her experience about the Kalpataru scheme. Under the Kalpataru scheme, students receive a monthly stipend of 8,000 INR, which has contributed to an increase in the number of admissions.

7. Dr. Guruprasad raised a query whether students need to earn the MOOC course certificate? How will the students be assessed? Are there any internal evaluations for MOOC courses? Dr. Deepa Abin replied that every student goes through the internal evaluations for MOOC courses along with certification. However, certificates are not mandatory, as a student can clear this course by performing well in the course integrated graded assignments.

8. Dr. Venkateswaran asked in case of PEC, it would be better to guide students to choose elective courses according to a vertical. Dr. Rajeswari & Dr. Rahul Patil replied that with BTech the same concept was promoted but students have not opted courses accordingly.

9. Abhijat Vichare commented that Research Methodology seems more like a B Tech syllabus. Dr. Swati Shinde explained that in the previous syllabus, four credits were allotted and the course was more high-level. In the updated syllabus, the practical approaches have been added along with an aligned Review Paper Writing lab course so that the students get the real flavor of the research methodology. Dr. Guruprasad suggested half of the course should be customized for Computer Engineering students with an introduction to different simulators and similar things.

10. Dr. Aamod Sane suggested introducing an entrance test for MTech students admission so that good quality students can be attracted. Dr. K. Rajeswari explained that the admissions process is entirely governed by the DTE, therefore, no separate entrance exam will be possible.

Resolution R-BoS:08:17: It is resolved to approve the M Tech curriculum structure and syllabus.

Resolution R-BoS:08:18: It is resolved that advanced level assignments will be added in SDL.

Resolution R-BoS:08:19: It is resolved that tracks for PEC will be provided as follows:

PEC 1: Data Mining and Analytics, Cryptography and Cryptanalysis

PEC 2: Advance Image Processing , Natural Language Processing

PEC 3: Advance Machine Learning, Blockchain Technology

PEC 4: Computer Vision and Video Processing, Prompt Engineering

BoS: 08: 10: Proposed B. Tech Curriculum Structure and Syllabus for Computer Engineering (Working Professionals)

Dr. Sujata Kolhe, coordinator of B Tech Computer Engineering (Working Professional), briefed about this program and presented the 120 credit structure.

Programme Core Course (PCC) of 42 credits

Programme Elective Course (PEC) of 18 credits

Vocational and Skill Enhancement Course (VSEC) of 8 credits

Entrepreneurship/ Economics/ Management Course (EEM) of 4 credits

Research Methodology (RM) of 2 credit

Community Engineering Project (CEP) Field Project (FP) of 2 credit

MOOC of 21 credits

Project (PROJ) of 19 credits

Internship (OJT) of 4 credit

The forum was open for Discussion

Discussions:

1. BoS Members appreciated the Syllabus Structure of BTech Working Professionals.
2. Mr. Rahul Kulkarni suggested having some entry criteria So that the quality of admitted students can be better.
3. Dr. Aamod Sane suggested that some sort of calibration based on the entrance test should be there. Otherwise, it will be difficult to publish the list of admission. He shared his experience that in his institute, accreditation normalization is done by using a corpus of questions from GATE papers.
4. Dr. Abhijat Vichare raised a concern about the conduct hours of the course. Dr. Rajeswari conveyed that it has not been finalized yet. Once the admissions are done, the same will be decided based on the mutual consent of the faculties and learners.
5. There was a lot of brainstorming among all BoS members to make this course of 3 years instead of 4 years.

Resolution R-BoS:08:20:

It is resolved by BoS members that the duration of B. Tech for Computer Engineering (Working Professionals) will be of 3 Years.

The updated course structure will be shared with the BoS members soon for approval.

BoS: 08: 11: Proposed minor changes in F.Y. B. Tech courses

Dr. Rachana Patil briefed that as per the common philosophy at the institute level, it is decided that three credit courses will have five units and preferably five course outcomes. Therefore, the

contents of six units for all 3 credit courses (Computer Programming and Problem Solving, Digital Electronics and Computer Organization, and Object Oriented Programming) are shuffled to 5 units.

Discussions:

All BoS members nodded to this change.

Resolution R-BoS:08:21:

It is resolved unanimously by the BoS members that the minor changes in FY B Tech courses are approved.

BoS: 08: 12: Proposed New Examination scheme for 2020 courses (All Years)

Dr. Rachana Patil presented the updated examination scheme for FY, TY, and B Tech syllabus. As an institute level philosophy, it is decided that no MTE will be conducted. Evaluations will be Internal Evaluaion 1, Internal Evaluation 2 and End Term Exam. And the actual marks will be reflected without any scaling.

Discussions:

1. Mr. Rahul Kulkarni and Dr. Vichare suggested HackerRank, CodeChef or any other platform for conduction of IEI ,IEII and ETE exam of programming courses.
2. It was also suggested that proper evaluation rubric needs to be shared with students

Resolution R-BoS:08:22:It is resolved to approve new examination scheme for 2020 courses by all BoS members

BoS: 08: 13: Any Other Point

Dr. Bhute presented Program outcome and Program Educational Objectives for the M.tech Courses. This was only for the information purpose.

BoS: 08: 14: Vote of Thanks:

Prof. Rucha Shinde proposed the Vote of Thanks to all external BoS members as well as internal members.

Prepared by:

Dr. Rachana Patil

Dr. Aparna Joshi

Dr. Sujata Kolhe

Dr. Mubin Tamboli

Dr. K. Rajeswari
Chairman & Head,
Department of Computer Engineering,
PCCoE, Pune.