

SAHRDAYA COLLEGE OF ENGINEERING AND TECHNOLOGY, KODAKARA - 680684

Minutes of the meeting

Name of the meeting: DAC Meeting

Date & Time of meeting: 04/07/2024, 10:00 AM

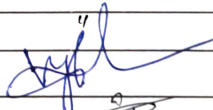





Agenda*:

1. Discussion on new curriculum (draft) and suggestions for improvement
2. Discussion on 2024-25 academic year activities and add-on courses
3. Approval of Revised Department Vision, Mission and PEO statements

Period of Review : (optional)

Venue: Google meet (meet.google.com/thy-uotk-qkt)

Members attended:

S. No.	Name	Designation	Signature
1	Dr. Vivek Mohan	Assistant Professor, Dept of EE, NIT Calicut (Academic Expert)	Attended online
2	Mr. Jovin T P	Lead Engineer - Technical Application Engineering (Industrial Expert)	"
3	Mr. Sukesh S S	Assistant Engineer, KSEB (Industrial Expert)	"
4	Mr. Krishnaraj P S	System Engineer, Infosys (Alumni Representative)	"
5	Mr. Tony Thomas	Sr. Engineer, Toshiba Transmission & Distribution System pvt. ltd. (Alumni Representative)	"
6	Sandhya Jenson	Parent representative	"
7	Dr. V. Vijikala	Associate Professor and HOD EEE (Chairperson)	
8	Ms. Drisya K Sasi	Assistant Professor, Program Coordinator EEE (Member)	
9	Mr. Sebin Davis K	Assistant Professor, Dept of EEE (Member)	
10	Ms. Neethu John	Assistant Professor, Dept of EEE (Member)	
11	Mr. Adarsh S R	Assistant Professor, Dept of EEE (Invitee)	
12	Ms. Maria Rose K J	Assistant Professor, Dept of EEE (Invitee)	

*Agenda is optional. Each agenda item must be numbered and typed in separate line)

1. Review of Action Points of the Previous Meeting:

Details of Action	Target Date	Responsibility	Progress	Revised Target	Status (Closed/Cancelled/ Continuous/ Ongoing/Deferred)
Workshops can be provided on Artificial intelligence and cloud computing, since these are the recent trends in the field of electrical engineering.	2023-24 AY	Faculty members and students	A course on Artificial Intelligence provided for S4 and S6 students in collaboration with Intel-Dell Technologies	–	Closed
Recommend the students to do some NPTEL courses related to the recent trends of the electrical engineering field	2023-24 AY	Faculty members and students	Number of students doing MOOC courses improved as compared with last AY.	–	Closed
Coding skills are mandatory for getting placement in the software field. So workshops related to coding can be provided.	2023-24 AY	Faculty members and students	5-day workshop on Python Programming and Machine Learning is provided for S5 students.	–	Closed
Try for some MoUs and send the students to electrical core companies for internships.	2023-24 AY	Faculty members and students	Renewed the MoU with Hykon India Pvt, Ltd. MoU with KEL is in progress.	–	Closed

2. Decisions taken during this meeting

Points of Review	Decisions taken	Responsibility	Target date
<p>Discussion on draft curriculum and suggestion for improvement</p> <ul style="list-style-type: none"> Engineering core courses are reduced to a larger extent. Power system related courses are reduced to 2 and control systems to 1. To cover up complete topics of power systems, 3 power system related papers are needed; also for control systems, 2 control system related courses need to be included. (suggestion form Dr. Vivek Mohan) And the most important thing is the teaching learning process. Even if the curriculum is excellent, the teaching learning process is not efficient, there will be no benefit for students. If there is any possibility to include JAVA and data structures it will be beneficial for students, those who are opting for software related jobs. Most of the placements are from software companies, it is a value added course for them. (suggestion form Mr. Krishnaraj P S) Syllabus of power system will be vast, since power system related courses are reduced to 2. 	<ul style="list-style-type: none"> According to AICTE curriculum, Health and wellness, UHV and humanities courses are mandatory. Also, in final year students are promoted to go for the internships, core courses are not possible in S7 and S8. So, slots for programme core courses are reduced. Some adjustments can be made in the syllabus to cover up the important areas by focusing on the syllabus of GATE and other competitive examinations. It can be included in the skill enhancement programme during S3 or S4. Since there is mini-project in S6, one lab should be integrated with theory course. Since, power system lab is a simulation based 	Faculty members	--

<ul style="list-style-type: none"> ● Syllabus of power system will be vast, since power system related courses are reduced to 2. At the same time Power system analysis course is integrated with lab. A course integrating with lab is good, but there should be enough hours to handle the same. It will be a tedious task to complete the syllabus, if the proper number of hours are there. Otherwise least relevant topics can be moved to the elective courses related to power systems. (Dr. Vivek Mohan) 	<p>will be more practical. But it is not possible to allot more hours only for the EEE department. Institute is following a pattern such that 3 lectures + 2 practical hours for integrated courses. Same we need to follow. This is the decision from the Central Curriculum Committee. So, the only possible solution is to cut short the syllabus of Power System-II and relevant topics can be moved to the elective courses, related to power systems.</p>		
<p>Discussion on the suggestions received on draft curriculum through google form</p> <ul style="list-style-type: none"> ● Internet of Things and Smart Grid can be added as subjects; More project based courses can be included (Dr. Resmi R, Academician) ● Focus to be given to case studies, problem analysis and problem solving. Students should get thorough knowledge about the basics. Assignments and test papers should be based on case studies, problem analysis and problem solving. (Mr. Sajeev Dev, Industrialist) 	<ul style="list-style-type: none"> ● IoT and smart grid are already there in elective courses. There is no provision to add these courses as programme core. The curriculum gives more importance to PBL. In every semester, there is one course which is a project based learning course. ● It should be considered while preparing the syllabus. 	<p>Faculty members</p>	<p>--</p>

<ul style="list-style-type: none"> • It could be better if you add Basic Civil and Mechanical Engineering along with lab in the first or second semester as a common subject for all BE. Power system protection and switchgear would be a great choice in semester 7 or 8. Also need to utilize the PLC and Automation effectively. (Mr. Jovin T P, Industrialist) • PLC Automation and Scada can be added (Mr. Tony Thomas, Alumni) • Some courses related to software tools related to Electrical Engineering can be given. Just like Electrical System Drawing or design tools, AutoCAD, MEP etc. This will add the chance of employability. (Parents and students) 	<ul style="list-style-type: none"> • The course Basics of Civil and Mechanical Engineering is removed by the University. So, it is difficult to include in the curriculum. Power system protection and switchgear is thought to include in Power system 1, which comes in S5. PLC and automation is included in Elective courses. • PLC and automation is included in Elective courses. • It can be included in Skill Enhancement Programmes during second and third year. 		
<p>Identify the activities and add-on courses to be conducted during 2024-25 academic year to bridge the gaps</p>	<ul style="list-style-type: none"> • Add-on courses and workshops can be provided on the recent trends in the field of electrical engineering like Computer Aided Design, Machine learning etc. • Students should also earn practical exposure during their graduation period. Promote the students to go for internships or industrial visits 	Faculty members and students	--

	<p>in electrical core companies to mould industry ready engineers.</p>		
<p>Approval of revised Department Vision, Mission and PEO statements:</p>	<ul style="list-style-type: none"> ● Mr. Jovin T V and Mr. Krishnaraj P S expressed the revised quality statements are commendable and align well with the institute vision and mission. ● Dr. Vivek Mohan commented that all suggestions given are addressed such as incorporation of the terms 'social service', 'industry collaboration', 'sustainability' etc. ● Mr. Tony Thomas and Mr. Sukesh S S added that quality statements are also aligned with the Autonomous curriculum. ● The DAC members approved the revised Department Vision, Mission, and PEO statements. These approved statements are included in Annexure-I, attached to the minutes. ● Approved vision, mission and PEO statements need to be submitted to the College Executive Committee for final approval. 	<p>HOD and PC</p>	<p>08/07/2024</p>

PO, PSO Attainment of 2022-23 and gap identification:

- As compared with 2021-22 attainment, 2022-23 attainment is poor.
- This is mainly due to the poor university result.
- PO1 (Engineering knowledge) and PO2 (Problem analysis) have got minimum attainment as compared with others.
- Measures taken during the last semester to improve the results, should be continued effectively.
- Conduct some idea competitions, technical quizzes etc. internally to improve the engineering knowledge and problem solving skills.
- Recommend the students to do some NPTEL courses related to the recent trends of the electrical engineering field. It will help to bridge the gap in PO1.

Faculty members
and students

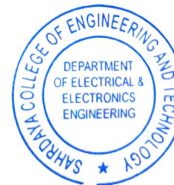
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Date: 04/07/2024
C.C.TO: IQAC

Prepared by: Ms Drisya K Sasi

Approved by: HOD EEE

HEAD OF THE DEPARTMENT
ELECTRICAL & ELECTRONICS ENGINEERING
COLLEGE OF ENGINEERING & TECHNOLOGY
KODAKARA
SAHRDAYA



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

ANNEXURE -I

Department Vision

Evolve as a Centre of Excellence in Electrical and Electronics Engineering to mould technically competent, socially responsible, and sustainability-focused professionals of global standing.

Department Mission

- To impart quality technical education in Electrical and Electronics Engineering through expert faculty, robust infrastructure, and skill enhancement programs.
- Establish an industry supportive ecosystem to effectively address the evolving needs of the industry
- Encourage graduates to tackle challenges through innovation, sustainable practices, and community engagement, upholding strong ethical values

Program Educational Objectives (PEOs)

PEO 1	To utilize broad knowledge of Electrical and Electronics Engineering as a foundation to design, develop, and implement innovative solutions for real-world challenges.
PEO 2	To equip with the skills to adapt to the technological advancements by engaging in lifelong learning and collaboration with industry and academia.
PEO 3	To evolve as socially responsible engineers with a strong ethical commitment towards environmental sustainability.