

St. Xavier's Catholic College of Engineering

Chunkankadai, Nagercoil-629003, Tamilnadu, India.

Department of Mechanical Engineering

Date & Time : 20th June 2024 at 11.00 a.m. – 12.30 p.m.
Venue : CAD Lab, SXCCE

AGENDA

- 04.01. Confirmation of Third BoS meeting minutes held on 06-01-2024 and Decision/Action Taken report.
- 04.02. Presentation of the proposed curriculum and getting recommendation for approval for the III year (VI semester) detailed draft syllabi of UG Program for regulation 2022.
- 04.03. Rubrics for evaluating Industrial training and Internship
- 04.04. Other matters if any.

Members Present: enclosed

Minutes of the Fourth Board of Studies meeting

Fourth Board of Studies (BOS) meeting was conducted on 20.06.2024 by online and offline mode using Google Meet at 11.00 A.M. Dr. M. Antony Forster Raj has initiated the fourth BOS meeting by introducing the external members and internal members. Dr. V. Christus Jeyasingh, Vice-Principal, SXCCE gave facilitation and spoken about the importance of BOS meeting. Dr. G. Antony Miraculous, chairman of the BOS shared the proposed curriculum and subjects of 3rd year, sixth semester UG Mechanical Engineering and started the discussion.

04.01. Confirmation of Third BoS meeting minutes held on 06.01.2024 and Decision/Action Taken report.

Sl. No.	Minutes of 3 rd BOS meeting	Action taken	Remarks
1	Include IoT in one of the subjects in the verticals.	In vertical 4 Digital Manufacturing subject has been renamed as ME22517 Digital Manufacturing and IoT. The subject was converted in to a TCP subject	Confirmed by BoS
2	Rearrange the units in the subject IC Engines and include B1 to B6 nomenclature in the	Units have been rearranged and emission norms have been included in Unit-3.	Confirmed by BoS

	syllabus.		
3	In Electric Vehicle Power Management subject include the topic battery swap.	Battery swapping has been included in Unit-4 Battery Energy Storage System	Confirmed by BoS
4	Students should be motivated to do NPTEL courses instead of electives.	20 III year students has completed Metal Additive Manufacturing and 1 completed Fundamentals of Automotive Systems (12 Week, 3 credit) https://onlinecourses.nptel.ac.in/noc22_me130/preview . Planned to increase the number in future	Confirmed by BoS
5	In Autonomous Electric Vehicle Technology, update Unit V and add automotive networking.	Automotive networking has been included in Unit 4.	Confirmed by BoS
6	Change the title of Unit 1 in Advanced Vehicle Engineering as Electric Vehicles Architecture	Title of unit 1 in Advanced Vehicle Engineering has been renamed as 'Electric Vehicles Architecture'	Confirmed by BoS
7	As far as possible use latest edition books as text books	Latest editions has been included as text books.	Confirmed by BoS

04.02. Presentation of the proposed curriculum and getting recommendation for approval for the III year (VI semester) detailed draft syllabi of UG Program for regulation 2022.

4th BOS meeting minutes

1. Six courses were discussed for open electives, out of which two courses were identified as open elective to be offered by the mechanical engineering department for the 6th semester
 - Energy technology
 - Nanomaterials
2. In energy technologies, hours allocated for first unit were asked to reduce as 6 hours and as the syllabus is vast experts suggested to remove the 'ENERGY CONSERVATION' part and split the 3rd unit (NON-CONVENTIONAL ENERGY) into two units renaming it as solar energy and wind energy
3. In Finite element analysis, experts suggested to modify the course objectives and also, asked to change one of the text books to latest edition.
4. Expert asked to map PO1 for all engineering subjects to a scale of 3.

04.03. Rubrics for evaluating Industrial training and Internship:

Rubrics for evaluating the Industrial training and Internship were discussed and the BoS approved the same.

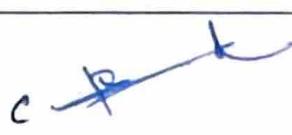
04.04. Other matters if any.

The following 21 students have successfully completed 12 weeks NPTEL course on Metal Additive Manufacturing/Fundamentals of Automotive Systems and has applied for credit transfer.

The same was appreciated by the members.

Sl. No.	Register Number	Name
1	962221114015	ANCY P
2	962221114049	Kaowshieek T
3	962221114050	Karthik Raja R V
4	962221114054	Lejo L
5	962221114055	Libin RK
6	962221114056	Lijin Alex A
7	962221114059	Merwin M
8	962221114072	Rahul Ruban M
9	962221114073	Rajin M
10	962221114079	Sahaya Jenison P
11	962221114082	Sharbin Antony A
12	962221114083	Shelli Bosco J
13	962221114084	Shinoj S
14	962221114088	Suvin Thadeus S
15	962221114089	Thanush M P
16	962221114090	Theephen D Dhas
17	962221114094	Vinish Samuel V
18	962221114308	Benny J Vaidyan
19	962221114311	Gowtham M
20	962221114313	Julian Maxwell B
21	962221114016	Anish A

Finally, The Chairman of BOS thanked the expert members and the faculty members for their valuable suggestions and support. Around 12.30 pm the meeting concluded with cheerful conversation.

Sl. No.	Name of the Expert	Category	Signature
1	Dr. C. Paramasivan, Professor, Department of Mechanical Engineering, Thiagarajar College of Engineering, Thiruparkundram, Madurai, Tamilndau.	University Nominee	
2	Dr. R. Edwin Raj, Program Coordinator & Professor, Department of Mechanical Engineering, National Rail and Transportation Institute, Vadodara, Gujarat	External stakeholder (Subject Expert)	
3	Dr. S. C. Vettivel, Professor, Dept. of Mechanical Engineering, Chandigarh College of Engineering and Technology (Degree wing), Department of Technical Education, Chandigarh	External stakeholder (Subject Expert)	
4	Mr. R. Justine, Assistant General Manager, Howden Solyvent (India) Private Limited, 147, Poonamallee high road, Numbai, Chennai - 77.	External stakeholder (Industrial Expert)	
5	Mr. J. C. Manohar Lal, Manager Maintenance, GAIL (India) Limited, Petrochemical Complex, PATA, Auraiya, Kanpur, Uttar Pradesh.	External stakeholder (Alumni Member)	


HOD (Mech.)
G. Antony Miraculas


DEAN (ACADEMICS)
Dr. R.P. Anto Kumar


PRINCIPAL
Dr. J. Maheswaran