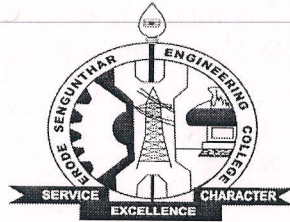# ERODE SENGUNTHAR ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University, Chennai)

PERUNDURAI, ERODE - 638 057

6th ACADEMIC COUNCIL MEETING

10th January 2022 @

GOOGLE ONLINE MEET

Link: https://meet.google.com/hso-bvho-ikg

AGENDA

ITEM NO.	PARTICULARS
WELCOMING & INTRODUCTION BY CHAIRMAN
Item 6.1	To Confirm the minutes of Fifth Academic Council Meeting held on 22nd March 2021.
Item 6.2	To discuss and approve the Minutes of Fourth Board of Studies meeting conducted by the following departments. ✓ Bio Medical Engineering ✓ Electrical and Electronics Engineering ✓ Electronics and Communication Engineering ✓ Electronics and Instrumentation Engineering ✓ Civil Engineering ✓ Information Technology ✓ Chemical Engineering ✓ Master of Business Administration ✓ Master of Computer Applications
Item 6.3	To discuss and approve the Minutes of Fifth Board of Studies meeting conducted by Science and Humanities, Mechanical Engineering and Computer Science and Engineering department.
Item 6.4	To discuss and approve the Minutes of Second Board of Studies meeting conducted by following departments ✓ Robotics and Automation ✓ Artificial Intelligence and Data Science ✓ Agriculture Engineering
Item 6.5	To discuss and approve the Curriculum (for all semesters) and Syllabus (VII & VIII Semesters) for the following B.E./B.Tech. Programmes ✓ B.E. Bio Medical Engineering ✓ B.E. Electrical and Electronics Engineering ✓ B.E. Electronics and Communication Engineering ✓ B.E. Electronics and Instrumentation Engineering ✓ B.E. Mechanical Engineering ✓ B.E. Civil Engineering ✓ B.Tech. Information Technology ✓ B.Tech. Chemical Engineering ✓ B.E. Computer Science Engineering
Item 6.6	To discuss and approve the Curriculum (for all semesters) and Syllabus (V & VI Semesters) for the following B.E./B.Tech. Programmes ✓ B.E. Robotics and Automation ✓ B. Tech. Artificial Intelligence and Data Science ✓ B.E. Agriculture Engineering
Item 6.7	To discuss and approve the Curriculum (for all semesters) and Syllabus (III & IV Semesters) for the Programme M.Tech. Computer Science and Engineering (5 Year Integrated Course)
Item 6.8	To discuss and approve the Curriculum (for all semesters) and Syllabus (III & IV Semesters) for the UG Programme B.E. Computer Science and Design

Item 6.9	To discuss and approve the Curriculum (for all semesters) and syllabus (I & II Semesters) for the UG Programme **B.Tech. Computer Science and Business Systems** which will be offered in the fourth coming academic year 2022-23.	
Item 6.10	To discuss and approve the Results of End semester Examinations April/May 2021	
Item 6.11	Any other Matters: Approval request to implement ✓ Research Promotion Policy ✓ IPR Policy ✓ Innovation And Entrepreneurship Policy	
	VOTE OF THANKS BY MEMBER SECRETARY	

Dr.M. Kannan, Professor , Department of Electronics and Communication Engineering, MIT Campus , Chennai could not attend the meeting due to unavoidable circumstances.

Following **External Academic Council Members** were Present (Through Online)

S.No.	Name of the Member & Address	Designation
1.	Dr.S. Nirmala Devi, Department of Electronics and Communication Engineering , College of Engineering ,Guindy, Anna University,Chennai – 600 025	Professor
2.	Dr.D. Manamalli Department of Instrumentation, MIT Campus,Chromepet, Chennai – 600 044.	Professor
3.	Dr. N. Alagumoorthi, Department of Mechanical Engineering, Pondicherry Engineering College, Puducherry – 605 014.	Professor
4.	Dr. Ramesh Babu Kalivaradhan, Assistant Director Students' Welfare , Professor, School of Computer Science and Engineering, Vellore Institute of Technology (VIT), Vellore – 632 014.	Professor
5.	Er.Dr.S.Kalirajan Head, Special Initiatives (Nuclear), L& T Constructions, Manappakkam, Chennai-89.	Industrial Expert

S.No.		Designation
6.	Er.S.Selvakumar, Lead Engineer, ABB Global Industries Ltd Mount Towers, Manappakkam, Chennai-600125.	Industrial Expert

Following Academic Council **Internal Members** were Present (Physically present in College)

S.No.	Name of the Member	Designation
1	Dr. V. Venkatachalam	Principal (Chairman)
2	Dr.S. Christian Johnson	Member Secretary
3	Dr.S. Senthilvelavan	Director – Science & Humanities
4	Dr.T.S. Senthil	HoD/Physics
5	Dr.P.G. Palanimani	HoD/Mathematics
6	Dr.M.Prabhakaran	HoD/Chemistry
7	Prof. Solomon V Anbuchelvan	HoD/English
8	Dr.K.M.Gopalakrishnan	HoD/Civil
9	Dr.N.Saravanan	HoD/Mechanical
10	Dr. P. Selvan	HoD/EEE
11	Dr.P. Akilamudhan	HoD/Chemical
12	Dr.R.Kalaivani	HoD/ECE
13	Dr.S.Poornai	HoD/BME
14	Dr.G. Sivakumar	HoD /CSE & AI&DS
15	Dr.S.Selvi	HoD /IT
16	Prof.T. Maris Murugan	HoD/EIE
11	Prof.A.Ravishankar	HoD/M.B.A.
12	Dr.M. Thangavel	HoD/M.C.A.
13	Dr.S.Karthick	Director- IIPC
14	Dr. R. Muthukumar	Controller of Examinations
15	Dr.P. Karunakaran	Director- Placement
16	Mr.S.Manikandan	HoD/R&A

> ➤ The meeting began with the welcome address by the Principal, Chairman, Academic Council, Erode Sengunthar Engineering College. He outlined briefly the various infrastructure development which has been carried out in the Institution for this academic year.

> ➤ Followed by the address of the Principal, Convener of the Academic Council meeting Presented all the items of the agenda in the meeting.

ITEM: AC:6.1	To Confirm the minutes of Fifth Academic Council Meeting held on 22nd March 2021.

> ➤ The minutes of the 5th Academic Council meeting held on 22/03/2021 were communicated to the members vide Email. The comments received have been incorporated and placed for confirmation. The same was approved by the council.

ITEM: AC:6.2	To discuss and approve the Minutes of Fourth Board of Studies meeting conducted by the following departments. - Bio Medical Engineering - Electrical and Electronics Engineering - Electronics and Communication Engineering - Electronics and Instrumentation Engineering - Civil Engineering - Information Technology - Chemical Engineering - Master of Business Administration - Master of Computer Applications

> ➤ The convener presented the Agenda and Minutes of Fourth Board of Studies meeting conducted by various department

The Academic Council reviewed the recommendations of the 4rd Board of studies meeting and approved the Minutes of Fourth Board of Studies meeting conducted by various department

ITEM: AC:6.3	To discuss and approve the Minutes of Fifth Board of Studies meeting conducted by Science and Humanities, Mechanical Engineering and Computer Science and Engineering department.

> ➤ The convener presented the Agenda and Minutes of fifth Board of Studies meeting conducted by various department

The Academic Council reviewed the recommendations of the fifth Board of studies meeting and approved the Minutes of fifth Board of Studies meeting conducted by various department

	To discuss and approve the Minutes of Second Board of Studies meeting conducted by following departments
ITEM: AC:6.4	• Robotics and Automation • Artificial Intelligence and Data Science • Agriculture Engineering

➢ The convener presented the Agenda and Minutes of Second Board of Studies meeting conducted by various department

The Academic Council reviewed the recommendations of the Second Board of studies meeting and approved the Minutes of Second Board of Studies meeting conducted by various department

	To discuss and approve the Curriculum (for all semesters) and Syllabus (VII & VIII Semesters) for the following B.E./B.Tech. Programmes
ITEM: AC:6.5	B.E. Bio Medical Engineering B.E. Electrical and Electronics Engineering B.E. Electronics and Communication Engineering B.E. Electronics and Instrumentation Engineering B.E. Mechanical Engineering B.E. Civil Engineering B.Tech. Information Technology B.Tech. Chemical Engineering B.E. Computer Science Engineering

The convener presented the Curriculum (for all semesters) and Syllabus (VII & VIII Semesters) for the following B.E./B.Tech. Programmes:
B.E. Bio Medical Engineering, B.E. Electrical and Electronics Engineering
B.E. Electronics and Communication Engineering, B.E. Electronics and Instrumentation Engineering, B.E. Mechanical Engineering, B.E. Civil Engineering, B.Tech. Information Technology, B.Tech. Chemical Engineering and B.E. Computer Science Engineering

Dr. S. Nirmala Devi suggested the following
- To include Pattern Recognition and Neural Networks as one of the Core Subject in Biomedical Engineering Curriculum and Syllabus
- To include Human Assist Devices as one of the course in Biomedical Engineering Curriculum and Syllabus in either VII or VIII Semester,
- To include Physiological Modeling in one of the course in Biomedical Engineering

Curriculum and Syllabus either as Professional Elective or Professional Core.

Board Chairmen - BME, replied that all the suggestion will be discussed with board of study members and will be implemented in the curriculum.

Dr. D. Manamalli, asked about the variations shown among the syllabus of the Department of Computer Science and Engineering and Information Technology.

Chairman – IT clarified that there are variations by giving the following syllabus with concerned to the IT.

Few of them are listed as follows:

1. Formal Languages and Automata Theory
2. Information Coding Techniques under Professional Elective
3. Advanced Computing and Communication Systems under Professional Elective , Internet of Things and Internet of Things Laboratory under Professional Core

And also she asked about whether AI techniques and Neural Network concepts like Convolution Neural Network, Recurrent Neural Networks, etc. are included in syllabus of B.Tech. Information Technology.

Chairman – IT clarified that the concepts are included under 19ITP33- Deep Learning, and also the syllabus of Professional Core subjects like 19IT601-Machine Learning and 19IT603-Big Data Analytics are designed with integrated lab.

Er.Dr.S.Kalirajan suggested to include the topic 'cost management' in the Professional Elective course "19CEX28- Construction Management"

Chairman –Civil has accepted to include "cost management" in the unit –IV of the syllabus after discussion with Board of Study members.

Except these points all other curriculum and syllabus presented approved by the members.

ITEM: AC: 6.6	To discuss and approve the Curriculum (for all semesters) and Syllabus (V & VI Semesters) for the following B.E./B.Tech. Programmes B.E. Robotics and Automation B. Tech. Artificial Intelligence and Data Science B.E. Agriculture Engineering

Board Chairman - Mechanical Presented the curriculum (for all semesters) and Syllabus (V & VI Semesters) for the Programme -B.E. Robotics and Automation

Board Chairman - CSE Presented the curriculum (for all semesters) and Syllabus (V & VI Semesters) for the Programme -B. Tech. Artificial Intelligence and Data Science

Board Chairman - Civil Presented the curriculum (for all semesters) and Syllabus (V & VI Semesters) for the Programme-B.E. Agriculture Engineering

After discussion the committee approved the same

ITEM: AC: 6.7	To discuss and approve the Curriculum (for all semesters) and Syllabus (III & IV Semesters) for the Programme M.Tech. Computer Science and Engineering (5 Year Integrated Course)

Board Chairman - CSE Presented the curriculum (for all semesters) and Syllabus (III & IV Semesters) for the Programme M.Tech. Computer Science and Engineering (5 Year Integrated Course)
After discussion the committee approved the same

ITEM: AC: 6.8	To discuss and approve the Curriculum (for all semesters) and Syllabus (III & IV Semesters) for the UG Programme B.E. Computer Science and Design

Board Chairman - CSE Presented the curriculum (for all semesters) and Syllabus (III & IV Semesters) for the UG Programme B.E. Computer Science and Design.
After discussion the committee approved the same

ITEM: AC: 6.9	To discuss and approve the Curriculum (for all semesters) and syllabus (I & IISemesters) for the UG Programme B.Tech. Computer Science and Business Systems which will be offered in the fourth coming academic year 2022-23.

Board Chairman - CSE Presented the curriculum (for all semesters) and syllabus (I & II Semesters) for the UG Programme **"B.Tech.- Computer Science and Business Systems"** which will be offered in the fourth coming academic year 2022-23.
After discussion the committee approved the same

ITEM: AC: 6.10	To discuss and approve the Results of End Semester Examinations April/May 2021.

The Controller of Examinations presented the abstract of the Results of End Semester Examinations April/May 2021.

ITEM:
AC: 6.11
	Any other Matters:
	Approval request to implement
	    Research Promotion Policy
	    IPR Policy
	    Innovation And Entrepreneurship Policy

Director - Research & Development, submitted proposal for implementing following policies to promote the research activities among staff and students.
- Research Promotion Policy
- IPR Policy
- Innovation And Entrepreneurship Policy

The ACM members approved to implement the policies in R&D activities.

The Chairman of the Academic Council thanked all the members for their appreciative remarks and suggestions.

Dr.S.Christian Johnson
Member Secretary/ACM