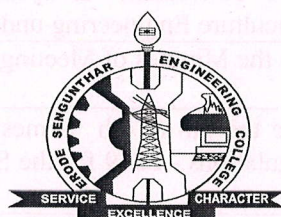# ERODE SENGUNTHAR ENGINEERING COLLEGE

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

PERUNDURAI, ERODE - 638 057

4th ACADEMIC COUNCIL MEETING

27th November 2020 @ 11.00am

GOOGLE ONLINE MEET

Link: https:// meet.google.com/gts-rxyc-mir

AGENDA

ITEM NO.	PARTICULARS
WELCOMING & INTRODUCTION BY CHAIRMAN	
Item 4.1	To Confirm the minutes of Third Academic Council Meeting held on 19 August 2020.
Item 4.2	To discuss and approve the Curriculum & Syllabus (I To IV Semesters) for the UG Programme - B.Tech. Artificial Intelligence and Data Science under Regulations - 2019
Item 4.3	To discuss and approve Curriculum & Syllabus (I To IV Semesters) for the UG Programme - B.E. Robotics and Automation under Regulations - 2019.
Item 4.4	To discuss and approve Curriculum & Syllabus (I To IV Semesters)for the UG Programme - B.E. Agriculture Engineering under Regulations - 2019
Item 4.5	To discuss and approve the Minutes of Meeting of 3rd BoS Meeting conducted by all Boards.
Item 4.6	To discuss and approve the 5th & 6th Semesters Syllabus for all UG B.E./B.Tech Programmes under Regulations - 2019 for the Students admitted in the Year 2019-20 onwards
Item 4.7	To discuss and approve the curriculum and Syllabus for I & II Semesters Syllabus for the New B.E. Programme B.E. Cyber Security proposed for the Academic Year 2021-22
Item 4.8	To discuss and approve the curriculum and Syllabus for I & II Semesters Syllabus for the New B.Tech. Programme B.Tech. Computer Science and Business Systems proposed for the Academic Year 2021-22
Item 4.9	To discuss and approve the curriculum and Syllabus for I & II Semesters Syllabus for the New B.Tech. Programme B.Tech. Bio Technology proposed for the Academic Year 2021-22
Item 4.10	To discuss and approve Various Courses to be added/Exempted for the Students previously studied under Regulation 2017 and Readmitted in various programmes under Regulations -2019
Item 4.11	Presenting Abstract of the Results of End Semester Examinations April /May 2020 approved by Result Passing Board.
Item 4.12	To discuss and approve the conduction of End Semester Examinations – Nov./Dec.2020 for all UG / PG Programmes (Only for Regular Courses)
Item 4.13	To discuss and approve Various NPTEL On-Line Courses Suggested in the 3rd BoS Meeting conducted by all Boards.
Item 4.14	Any other matter – Revision of Placement Courses as a Industrial supported Courses Under same Regulations -2019 for the students admitted in the year 2020-21 onwards.
VOTE OF THANKS BY MEMBER SECRETARY	

ERODE SENGUNTHAR ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University, Chennai,)
PERUNDURAI, ERODE - 638 057

MINUTES OF THE MEETING

Date: 27.11.2020

The Fourth Academic Council Meeting of Erode Sengunthar Engineering College, Perundurai, Erode was held on 27.11.2020 at Conference Hall, ESEC Main block at 11.00 a.m. through online (Google Meet Link: https:// meet.google.com/gts-rxyc-mir)

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.M. Kannan Department of Electronics and Communication Engineering, MIT Campus,Chromepet,Chennai – 600 044	Professor
3.	Dr.D. Manamalli Department of Instrumentation, MIT Campus,Chromepet, Chennai – 600 044.	Professor
4	Dr. N. Alagumoorthi, Department of Mechanical Engineering, Pondicherry Engineering College, Puducherry – 605 014.	Professor

5	Dr. Ramesh Babu Kalivaradhan, Assistant Director Students' Welfare , Professor, School of Computer Science and Engineering, Vellore Institute of Technology (VIT), Vellore – 632 014.	Professor
6	Er.Dr.S.Kalirajan Head, Special Initiatives (Nuclear), L& T Constructions, Manappakkam, Chennai-89.	Industrial Expert
7	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.P.G. Palanimani	HoD/Mathematics
4	Dr.S.Malathi	HoD/Chemistry
5	Dr.T.S. Senthil	HoD/Physics
6	Prof. Solomon V Anbuchelvan	HoD/English
7	Dr.M. Pandian	HoD/Mechanical
8	Dr. P. Selvan	HoD/E.E.E.
9	Dr.P. Akilamudhan	HoD/Chemical
10	Dr.S.Karthick	HoD/E.C.E. & Director- IIPC
11	Dr.S. Poorani	HoD/BioMedical
12	Dr.G. Sivakumar	HoD /CSE&IT
13	Prof.T. Maris Murugan	HoD/E.I.E.
14	Prof.A.Ravishankar	HoD/M.B.A.
15	Dr.M. Thangavel	HoD/M.C.A.

16	Dr.S. Senthilvelavan	Director – Science & Humanities
17	Dr. R. Muthukumar	Controller of Examinations
18	Dr.P. Karunakaran	Director- Placement

> The meeting started with the welcome address of by **Dr. V. Venkatachalam** Principal and Chairman/ACM . He welcomed all the members present.

> Dr.R.Muthukumar, Convener of the Academic Council meeting Presented all the items in the agenda of the meeting.

ITEM: AC:4.1	To Confirm the minutes of Third Academic Council Meeting held on 19 August 2020.

> The Copy of the 3rd Academic council meeting presented in the meeting.

ITEM: AC:4.2	To discuss and approve the Curriculum & Syllabus (I To IV Semesters) for the UG Programme - B.Tech. Artificial Intelligence and Data Science under Regulations -2019

> The convener presented the Curriculum & Syllabus (I To IV Semesters) for the UG Programme - B.Tech. Artificial Intelligence and Data Science (AI&DS) under Regulations -2019

> Dr.D. Manamalli Professor, Department of Instrumentation, MIT Campus pointed out that the syllabus for the AI&DS Programme upto 4th semester is focusing more on computer science courses and also she suggested to the Board Chairman-CSE to check with the BoS members whether framed curriculum and syllabus having 40% core components upto 4th semester and 60% in the higher semesters.

Dr.G.Sivakumar, Board Chairman - CSE replied that he will discuss this with BoS members and if needed suitable modification will be carried out in the curriculum and Syllabus.

> **Dr.M. Kannan,** Professor, Department of Electronics and Communication Engineering, MIT Campus,Chromepet, asked whether the entire curriculum for AI&DS programme

finalized or not with the Board Chairman

Dr.G.Sivakumar, Board Chairman - CSE replied that in the forth coming 4th BoS meeting it will be finalized with the inclusion of few industrial support placement courses.

ITEM: AC:4.3	To discuss and approve Curriculum & Syllabus (I To IV Semesters) for the UG Programme - B.E. Robotics and Automation under Regulations - 2019.

The convener presented the Curriculum & Syllabus (I To IV Semesters) for the UG Programme - B.E. Robotics and Automation under Regulations - 2019

➢   Dr.S. Nirmala Devi, Professor, Department of Electronics and Communication Engineering ,College of Engineering ,Guindy, suggested to reduce the contact hours for the third semester Course "19RA302 Kinematics and Dynamics of Machinery" from 75hrs to 60hrs.

➢   Dr.S. Nirmala Devi, also suggested to include VHDL based experiments in 19ES405- Linear Integrated Circuits Laboratory

➢   Dr. Ramesh Babu Kalivaradhan, Professor,School of Computer Science and Engineering, Vellore Institute of Technology (VIT), & Dr.S. Nirmala Devi were suggested to change the course name as "19RA404 Industrial Internet of Things" instead of " 19RA404 Internet of Things" and in the same course Dr.S. Nirmala Devi suggested to elaborate the unit contents to know the significance of the syllabus.

Dr.M. Pandian, Board Chairman gave assurance that to incorporate all modification with the discussion and approval of BoS members.

ITEM: AC:4.4	To discuss and approve Curriculum & Syllabus (I To IV Semesters)for the UG Programme - B.E. Agriculture Engineering under Regulations - 2019

The convener presented the Curriculum & Syllabus (I To IV Semesters) for the UG Programme - B.E. Agriculture Engineering under Regulations - 2019

➢   Dr.S. Nirmala Devi, pointed out that all laboratory courses mismatched with credits and contact hours and also suggested to give 2 credits (60Hrs) for the laboratory courses.

> Dr.S. Nirmala Devi and Dr.D. Manamalli were suggested to include AI /IOT based courses (i.e. Smart Farming course) in higher semesters of this B.E. Agriculture Engineering Programme.

Dr.K.M. Gopalakrishnan, Board Chairman accepted all the points suggested by the members and gave assurance that to incorporate all modification with the discussion and approval of BoS members.

ITEM: AC:4.5	To discuss and approve the Minutes of Meeting of 3rd BoS Meeting conducted by all Boards.

Chairman of various BoS, submitted the report in front of Academic council. The Academic Council reviewed and resolved to approve the Third BoS meeting's Agenda and Minutes of various programmes held at different dates as listed below.

Name of the Board	Date
Department of Electronics and Communication Engineering	06.11.2020
Department of Mechanical Engineering	06.11.2020
Department of Bio Medical Engineering	06.11.2020
Department of Management Studies	06.11.2020
Department of Mathematics	07.11.2020
Department of English	07.11.2020
Department of Chemistry	07.11.2020
Department of Physics	07.11.2020
Department of Computer science and Engineering	07.11.2020
Department of Civil Engineering	09.11.2020
Department of Chemical Engineering	07.11.2020
Department of Information Technology	07.11.2020
Department of Electrical and Electronics Engineering	10.11.2020
Department of Electronics and Instrumentation Engineering	10.11.2020

The Academic Council reviewed the recommendations of the 3rd Board of studies meeting and approved the curriculum for regulations for all UG & PG programmes with necessary corrections.

ITEM: AC:4.6	To discuss and approve the 5th & 6th Semesters Syllabus for all UG B.E./B.Tech Programmes under Regulations - 2019 for the Students admitted in the Year 2019-20 onwards

The convener presented the Curriculum & Syllabus (V & VI Semesters) for the All UG Programmes.

While presenting 5th & 6th Semesters Syllabus of B.E.Computer Science and Engineering the following points were discussed

➢ Dr.S. Nirmala Devi, asked explanation about the 'Unit-V : Taking apps to Market' in the course "19CS503 Mobile Application Development" whether it is related to business management

Dr.G.Sivakumar, Board Chairman - CSE answered that this content practicing/ Learning methods after developing various Apps and placing them play store .

➢ Dr.S. Nirmala Devi, and Dr.M. Kannan were insisted to remove the term supported by Infosys wherever it is coming in curriculum and syllabus.

➢ Dr.M. Kannan was insisted to maintain the similarities in the Course Name in curriculum and syllabus.

➢ Dr.S. Nirmala Devi insisted to include "Open Source Software" experiments in somewhere in the laboratory courses.

➢ Dr. Ramesh Babu Kalivaradhan insisted to add few more topics in the course "19CSPE04 - R Programming"

Dr.G.Sivakumar, Board Chairman - CSE informed to members that, after carryout suitable modification in the curriculum and Syllabus, it will be sent to members for the approval.

While presenting 5th & 6th Semesters Syllabus of B.E.Electrical and Electronics Engineering the following points were discussed

➢ Dr.S. Nirmala Devi and Dr.D. Manamalli were suggested to check the credits of course

"19EEC601-Industrial Training" and also suggested to ensure that the same credits given by other Programmes, if they offering the same course.

➢ Er.S. Selvakumar Lead Engineer, ABB Global Industries Ltd., Suggested to include solar application based experiments in the course "19EE605 Renewable Energy laboratory" and also suggested to include topic 'fiber optic sensors' in the course "19EE601 Power System Protection and Switchgear"

Dr.Selva,P Board Chairman accepted all the points suggested by the members and gave assurance that to incorporate modification with the discussion and approval of BoS members.

While presenting 5th & 6th Semesters Syllabus of B.E. Electronics and Communication Engineering the following points were discussed

➢ Dr.S. Nirmala Devi suggested to check the credits of course "19EC506-Mini project" and also suggested to ensure that the same credits given by other Programmes, if they offering the same course.

While presenting 5th & 6th Semesters Syllabus of B.Tech Information Technology the following points were discussed

➢ Dr.S. Nirmala Devi suggested ensuring that the course "19ITPE03- Open Source Systems" offered as an elective for all Programmes.

While presenting 5th & 6th Semesters Syllabus of B.E.Bio medical Engineering the following points were discussed

➢ Dr.S.Nirmala Devi suggested to include the following courses in the higher semesters

Bio-Waste Management

Biomedical Equipment Management

Heath & Hospital Equipment Management

Cyber security in Health Care Equipment

Medical Device Security

Dr.S.Nirmala Devi also asked the necessity of keeping "19BM605-Hospital Training –II" in the 6th semester and suggested to remove the course after discussion with BoS members.

While presenting 5th & 6th Semesters Syllabus of B.E. Civil Engineering the following points

were discussed

> Dr.S.Nirmala Devi suggested to check the contact hours and credit offered to the course "19CE505 Survey Camp" she suggested it should be 2 credits.

ITEM: AC:4.7	To discuss and approve the curriculum and Syllabus for I & II Semesters Syllabus for the New B.E Programme B.E Cyber Security proposed for the Academic Year 2021-22

The convener presented the Curriculum (I –VIII) & Syllabus (I & II Semesters) for the New B.E Programme **B.E. Cyber Security** proposed for the Academic Year 2021-22 for the approval.

Members suggested to modify the curriculum based on the current technological updates, and approved for the initial progress

ITEM: AC:4.8	To discuss and approve the curriculum and Syllabus for I & II Semesters Syllabus for the New B.Tech. Programme B.Tech Computer Science and Business Systems

The convener presented the Curriculum (I –VIII) & Syllabus (I & II Semesters) for the New B.Tech. Programme **B.Tech. Computer Science and Business Systems** proposed for the Academic Year 2021-22 for the approval.

Members suggested to modify the curriculum based on the current technological updates, and approved for the initial progress

ITEM: AC:4.9	To discuss and approve the curriculum and Syllabus for I & II Semesters Syllabus for the New B.Tech. Programme B.Tech. Bio Technology proposed for the Academic Year 2021-22

The convener presented the Curriculum (I –VIII) & Syllabus (I & II Semesters) for the New B.Tech. Programme **B.Tech. Bio Technology** proposed for the Academic Year 2021-22 for the approval.

Members suggested to modify the curriculum based on the current technological updates, and approved for the initial progress

ITEM: AC:4.10	To discuss and approve Various Courses to be added/Exempted for the Students previously studied under Regulation 2017 and Readmitted in various programmes under Regulations -2019

- ➢ Dr.S. Nirmala Devi and Dr.D. Manamalli have suggested to check the minimum credits to be earned by the students' re- admitted in the Regulations -2019 before exempting and adding the courses.
- ➢ Dr.M. Kannan asked about the changes in the duration of the programme and credits for the readmitted students, the controller replied that as per the norms of Regulations-2019, it will be verified.

ITEM: AC:4.11	Presenting Abstract of the Results of End Semester Examinations April /May 2020 approved by Result Passing Board.

Dr.R.Muthukumar Presented the Abstract of the Results of End Semester Examinations April /May 2020 approved by Result Passing Board.

ITEM: AC:4.12	To discuss and approve the conduction of End Semester Examinations – Nov./Dec.2020 for all UG / PG Programmes (Only for Regular Courses)

Dr.R.Muthukumar Presented the conduction mode of End Semester Examinations – Nov./Dec.2020 for all UG / PG Programmes (Only for Regular Courses).

➤ Dr.N.Alagumoorthi, Professor, Department of Mechanical Engineering, Pondicherry Engineering College, enquired about first year UG& PG students status regarding this Examinations Schedule. The Controller of Examinations replied it's applicable only for higher semesters except first year UG &PG.

➤ Dr.S. Nirmala Devi enquired about whether the college got approval from Anna University for conducting examinations. The Controller of Examinations replied that permission request letter submitted to Anna University for the approval of conducting Examinations.

ITEM: AC:4.13	To discuss and approve Various NPTEL On-Line Courses Suggested in the 3rd BoS Meeting conducted by all Boards.

Dr.S. Nirmala Devi and Dr.D. Manamalli have suggested to include few Practical online courses in the List submitted with Academic Council. Also suggested to include other online courses provided by other some other eminent Institution, apart from the NPTEL courses offered by IIT.

ITEM: AC:4.14	Revision of Placement Courses as an Industrial supported Courses Under same Regulations -2019 for the students admitted in the year 2020-21 onwards.

Er.Dr.S. Kalirajan, Head, Special Initiatives (Nuclear), L& T Constructions, suggested to include

'Project management' courses for all programmes in higher semesters and suggested to include syllabus content based on the Programme it offering received from other Industries also not only from Infosys .

Dr.N.Alagumoorthi and Dr.M. Kannan have suggested to check the uniformity in the credits and contact hours for all the courses offered by all boards and send the same to the Academic Council members .

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

Dr.S.Christian Johnson
Member Secretary