

MINUTES OF THE 2nd ONLINE MEETING
BOARD OF STUDIES OF
ELECTRONICS AND INSTRUMENTATION ENGINEERING

DATE: 8th May, 2021, Saturday

Time: 11.00 AM – 01.00 PM

PLATFORM : Teams App

Meeting Link: <https://tinyurl.com/BoS-meeting--EIE>

IN ATTENDANCE:

S.No	Name of the Expert	Designation	Capacity
1	Dr.N.Sivakumaran, Professor/ I & C	Professor, Department of Instrumentation and Control Engineering, NIT, Trichy	Anna University Nominee
2	Dr.G.Uma, Professor and Head / I &C	Professor, Department of Instrumentation and Control Engineering, NIT, Trichy	Academic Council nominated BoS Members
3	Dr. P. Ramesh Babu Professor and Head / C&I	Professor, Pondicherry Engineering college	
4	Er.K.Murugesan Assistant General Manager	Winomechanic Private Ltd., Chennai	Industrialist
5.	Dr.G.Palani Kumar Lead Controls Engineer	GE Renewable Energy, Bangalore	Alumni

FACULTY OF ELECTRONICS AND INSTRUMENTATION ENGINEERING	MEMBERS
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S.No	Name of the Faculty	Designation
1	Dr.S.Jeyadevi	Chairman / HoD-EIE
2	Mrs. M.Vigneswari	UG Programme Coordinator
3	Mr. A.Rajavel	Assistant Professor / EIE
4	Mrs.J.UmaMaheswari	Assistant Professor / EIE
5	Mrs.L.V.Revathi	Assistant Professor / EIE
6	Mr.S.RameshPrabhu	Assistant Professor / EIE
7	Mr. R.Rajprabu	Assistant Professor / EIE
8	Mrs. R.Santhiya	Assistant Professor / EIE
9	Ms. S.Kavitha	Assistant Professor / EIE

THE MINUTES:

The meeting was called for considering the Undergraduate curriculum (III sem. - VIII sem.) & syllabi.

DISCUSSIONS:

- Dr.S.Jeyadevi welcomed the gathering.
- Dr.S.Jeyadevi discussed the Proceedings of 1st Academic Council Meeting held on 17th July 2020 to the experts. The highlights of the discussion were as follows:

	<p style="text-align: center;">Recommendations from the Governing Body and Academic Council for Framing UG Curriculum:</p>	<ul style="list-style-type: none"> • Credit range: 165 – 170 • 20 – 24 credit per Semester. • VIII Sem. Project Work: 8 – 10 credits • Online Course (Maximum 6 credits) • Audit Course (Mandatory non credit) • First semester is common for all Programme • First year credit range : 40 – 42 • Engineering Graphics to be in II Semester • Programme specific papers could be offered in II Sem. • AICTE & AU 2019 curriculum could be taken as base for framing curriculum. • III Sem Mathematics (Programme specific) Mandatory
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1. Dr.S.Jeyadevi presented the regulation of Undergraduate (UG) curriculum.
2. Dr.S.Jeyadevi, presented the proposed R2020 - curriculum, syllabus and curriculum framework for the Undergraduate (UG) program.
3. Dr.G.Uma suggested that the syllabus for ‘MEMS’ (Unit title, topics and text books should be relevant to the course) and the syllabus for ‘Instrumentation System Design’ should be refined. Meanwhile, she suggested to remove “Smart sensor’ course.
4. Dr.G.Uma also suggested that advanced topics may be included in VLSI design.
5. Dr.N.Sivakumaran and Dr. P. Ramesh Babu suggested to reduce the number of courses offered in the choices of Professional Elective and Open Elective (we are offering 5 courses in a choice basis for each professional elective). As per their suggestion, it was reduced to 4 courses.
6. Dr.G.Uma , Dr.N.Sivakumaran and Dr. P. Ramesh Babu suggested that the ‘Digital Instrumentation’ and ‘Embedded system for biomedical instrumentation’ courses may be removed and if it is needed new courses may be included.
7. Dr.N.Sivakumaran mentioned that 4th unit of Instrumentation in ‘Agriculture and food industries’ course needs to be modified and suggested to ref. NITT, C & I dept. syllabus for this course.

8. Dr.G.Uma, Dr.N.Sivakumaran and Dr. P. Ramesh Babu proposed to change the course name for ‘Methods and Measurements of Analytical Instruments’.
9. Dr.G.Uma and Dr. P. Ramesh Babu recommended the Swayam courses for online courses. The certificates issued by Swayam will be considered for credits also.
- 10.Er.K.Murugesan recommended to include subjects like Solar energy or wind energy based or energy harvesting (with design aspects for conditional circuits, storage devices etc) instead of ‘Power Electronics’, ‘Digital Instrumentation, Embedded System’ for ‘Biomedical Instrumentation’ and ‘Instrumentation in Petrochemical Industries’ as professional elective subjects and it will provide recent trends in instrumentation field and it helps the students to understand the current scenario.
- 11.Dr.G.Palanikumar recommended to refine the ‘Process control’ syllabus (control valve sizing topic) and include that content in ‘Instrumentation System Design’ syllabus.
- 12.Dr.G.Palanikumar recommended adding state estimation, system identification, instrumentation & control in automotive applications as a professional elective and agile process, lean methods, product life cycle as a Employability Enhancement Course or in value added course.
- 13.Dr.G.Uma, Dr.N.Sivakumaran and Dr. P. Ramesh Babu suggested that the new undergraduate programme in the name of ‘Biomedical engineering’ or ‘Industrial automation’ may be considered. Er. K.Murugesan and Dr.G .Palanikumar also suggested the same.
- 14.Dr.S.Jeyadevi presented about 3 members committee for Online course, Internship / Inplant training and Value added program.
- 15.Mrs.L.V.Revathi proposed the vote of thanks to all the external and internal experts and the meeting was adjourned.