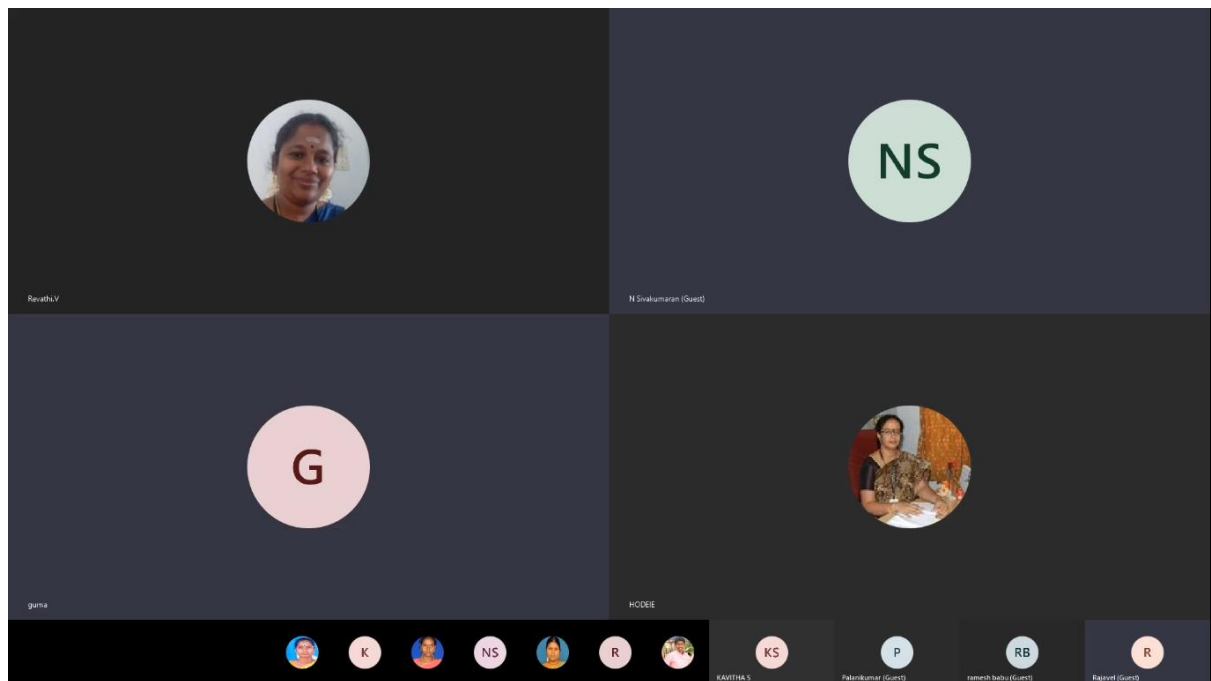




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## ANNEXURE IV

### DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING





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**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING**  
**Minutes of Meeting – First Draft – BoS – 5<sup>th</sup> August, 2020**  
**MINUTES OF THE 1<sup>st</sup> ONLINE MEETING**

**BOARD OF STUDIES OF ELECTRONICS AND INSTRUMENTATION ENGINEERING**

**DATE:** 5<sup>th</sup> August, 2020, Wednesday

**Time:** 11.00 AM – 01.00 PM

**PLATFORM :** Teams App

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

**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 Instrumenta- tion 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 Man- ager	LETWIND Shriram Manufacturing Ltd., Chennai	Industrialist



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5.	Dr.G.Palani Kumar Lead Controls Engineer	GE Renewable Energy, Bangalore	Alumni
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FACULTY OF ELECTRONICS AND INSTRUMENTATION ENGINEERING		MEMBERS
S.No	Name of the Faculty	Designation
1	Dr.S.Jeyadevi	Chairman / HoD-EIE
2	Mr. A.Rajavel	UG Programme Co-ordinator
3	Mrs. M.Vigneswari	Assistant Professor / EIE
4	Mrs.J.Uma Maheswari	Assistant Professor / EIE
5	Mrs.L.V.Revathi	Assistant Professor / EIE
6	Mr.S.Ramesh Prabhu	Assistant Professor / EIE
7	Mr. R.Rajprabu	Assistant Professor / EIE
8	Mrs. R.Santhiya	Assistant Professor / EIE
9	Ms. S.Kavitha	Assistant Professor / EIE



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**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING  
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**THE MINUTES:**

The meeting was called for considering the Undergraduate curriculum & syllabi.

**DISCUSSIONS:**

1. Dr.S.Jeyadevi welcomed the gathering and introduced the external members to the department faculty members.
2. Dr.S.Jeyadevi presented the overview of the Institution/Department, courses offered in the institution, student and faculty strength and also about the growth and development of the Institution/Department.
3. Dr.S.Jeyadevi discussed the Proceedings of 1<sup>st</sup> Academic Council Meeting held on 17<sup>th</sup> July 2020 to the experts. The highlights of the discussion were as follows:

<p><b>Recommendations from the Governing Body and Academic Council for Framing UG Curriculum:</b></p>	<ol style="list-style-type: none"> <li>1. Credit range: 165 – 170</li> <li>2. 20 – 24 credit per Semester.</li> <li>3. VIII Sem Project Work: 8 – 10 credits</li> <li>4. Online Course (Maximum 6 credits)</li> <li>5. Audit Course (Mandatory non credit)</li> <li>6. First semester is common for all Programme</li> <li>7. First year credit range : 40 – 42</li> <li>8. Engineering Graphics to be in II Semester</li> <li>9. Programme specific papers could be offered in II Sem.</li> <li>10. AICTE &amp; AU 2019 curriculum could be taken as base for framing curriculum.</li> <li>11. III Sem Mathematics (Programme specific) Mandatory</li> </ol>
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4. Dr.S.Jeyadevi presented the regulations of the undergraduate syllabus.
5. Dr.S.Jeyadevi, presented the proposed R2020 - First year curriculum, syllabus and curriculum framework for the Undergraduate (UG) program. She presented the compari-



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son of the overall credit of proposed R2020 KCET, AICTE model curriculum and AU R2019 curriculum to the board.

6. Dr.G.Uma approved Model II (One Program specific paper and One Program specific lab) for semester II. She suggested that a bridge course may be conducted on the topic “Introduction to basic electrical and electronics components” as a prerequisite for “Circuit theory course” during the vacation period of the first semester. Dr.N.Sivakumaran suggested to conduct a bridge course for Basics of Instrumentation also.
7. Dr.N.Sivakumaran and Dr. P. Ramesh Babu suggested that the UG curriculum should have 160 credits (maximum).
8. Mr.A.Rajavel presented the proposed UG curriculum for the II, III and IV years. The members of the Board of Studies recommended that the academic council recommendations could be adopted.
9. Dr.N.Sivakumaran and Dr. P. Ramesh Babu suggested to change the name of the Subject “Instrument Transducer” (in III Sem.) to “Sensors & Transducers”.
10. Dr. P. Ramesh Babu suggested to include Electrical and Electronic measurements subject by Combining the subjects “Electrical measurement” & “Modern Electronic Instrumentation” in IV semester and also to shift the “Object oriented Programming (theory cum lab) from VI semester to IV semester.
11. Dr.G.Uma, Dr.N.Sivakumaran and Dr. P. Ramesh Babu suggested to combine the practical courses -Instrumentation System Design Laboratory and Virtual Instrumentation Laboratory together in the IV semester and also suggested to include sensors and transducers lab in the third semester.
12. Dr.G.Uma and Dr. P. Ramesh Babu suggested to refer GATE syllabus and based on that the courses the syllabus should be framed.
13. Er.K.Murugesan advised that Instrumentation Standards Course must be in PC course list instead of PE. He also suggested that Electronics has to be given equal weightage as Instrumentation in EIE program.
14. Dr.N.Sivakumaran and Dr. P. Ramesh Babu suggested to include Control system lab separately in the curriculum.



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15. Dr.G.Uma and Dr.N.Sivakumaran suggested to improve the curriculum structure in such a way that there is flexibility for the students to select the course as per their interest. It is possible by increasing the program elective papers and open elective papers as per the guidelines given in National Education policy.
16. Dr.G.Palanikumar suggested to add artificial intelligence and machine learning as a professional elective.
17. Dr. P. Ramesh Babu suggested that the number of elective papers should be higher than the core papers and also suggested to include “Ethics and Human values” paper in the VII semester. Dr.N.Sivakumaran suggested to include the industry oriented subjects like Instrumentation & control in paper and pulp industries, Instrumentation & control in cement manufacturing industries, Network control systems, Intelligent Instrumentation and SMART instrumentation in Professional elective segment.
18. Dr.G.Uma, Dr.N.Sivakumaran and Dr. P. Ramesh Babu were suggested to combine the Process control lab & Industrial automation lab.
19. Dr.N.Sivakumaran and Dr. P. Ramesh Babu suggested to shift Power electronics subject to professional elective list. Since the curriculum for second year to final year only was discussed in this meeting, BoS members asked to the entire syllabus and conduct brain storming sessions before finalizing the syllabus for all the years.
20. Students should complete two mandatory audit courses (non – credit) to become eligible for getting degrees.
21. Over and above credit for internship/training, value added programs can be included.
22. **Date of next meeting:** The next meeting will be held during the next even semester (tentatively, Last week of January, 2021).
23. Mrs.L.V.Revathi proposed the vote of thanks to all the external and internal experts and the meeting was adjourned.