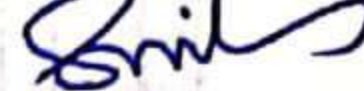

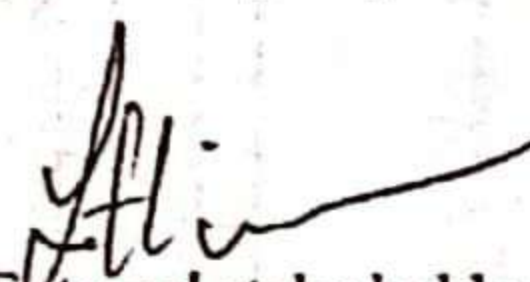




Sri Sairam Engineering College
Sai Leo Nagar, West Tambaram, Chennai – 600044
Department of Instrumentation and Control Engineering

Minutes of the first Board of Studies meeting

The first Board of Studies (BOS) meeting of the department of ICE was conducted on 06.06.2020 through online mode (ZOOM) at 3.30P.M (IST). Following members were present.

1. Dr. J.Krishnan, M.Tech., Ph.D
Professor/Dir.Bomedi.Engg/Dy.Dir.Skill Dev;
Annamalai University-Electronics and Instrumentation

External stake holder
(Subject Expert)
2. Dr. D.Nedumaran , M.Tech., Ph.D.,
Professor and Head
Dept/ Central Instrumentation and Services Lab,
University of Madras, Chennai

External stake holder
(Subject Expert)
3. Dr. Ramakalyan Ayyagiri
Professor ,,
Department of Instrumentation & Control Engineering
National Institute of Technology
a. Ramakalyan
External stake holder
(University Representative)
4. Mr. Mathivanan Anbhazhagan, B.E.M.Tech., MBA
Principal Engineer, Control and Instrumentation
Petrofac Eneering Services India Ltd,
Chennai

External stake holder
(Industrial Expert)
5. Mr. Suman Murali, M.Tech.,
Senior Project Scientist / IIT Delhi
Partnering projects for Pheonix Medical systems (P) Ltd
Chennai.

External stake holder
(Alumni Member)
6. Dr.B.Sumathy
Internal stake holder
7. Mr.R.Chithrakkannan
Internal stake holder
8. Ms.S.Gowrishwari
Internal stake holder
9. Mr.R.Karthikeyan
Internal stake holder
10. Ms.G.Jayanthi
Internal stake holder
11. Mr.N.Balaji
Internal stake holder
12. **T.MANGAYARKARASI**

Chairman, BOS/EIE
Professor & Head, ICE
Sri Sairam Engineering College

T.Mangayarkarasi ,Chairman of BOS opened the meeting by welcoming and introducing the external members to the internal members. The chairman placed the following agenda for the deliberations and discussions of the members. The following are the deliberations made during the meeting (as per the items of the circulated agenda).

BOS.ICE.20.01.01: To review and approve the curriculum and syllabus of UG programme in ICE.

BOS.ICE.20.01.02: To review and approve the curriculum and syllabus offered by ICE to UG programme in EIE.

BOS.ICE.20.01.03: To review and approve the curriculum and syllabus offered by ICE to UG programme in EEE

The members recommended the following:

Dr. Ramakalyan Ayyagiri(Professor-NIT ,Trichy)

- a. Review the Length of course- BSMA301- syllabus content should not be very lengthy.
- b. Title of Data Structures to be changed as Data Structures as Data Structures and Algorithms
And the present detail syllabus must be enhanced
- c. Object Oriented Programming – Theory and Lab is not necessary, shall be replaced by core subjects
- d. Following Subjects may be included as Electives
 - Lumped Parameter Modeling
 - Random Signals and Stochastic process
- e. Number of Text books and reference books must be uniform throughout the syllabus book (Text book must cover the full syllabus).Standard books must be included

Dr. J.Krishnan(Professor-Annamalai University)

- a. Core theory-Signals and Systems as well as Digital Signal Processing must be included
- b. Gate Syllabus- INSTRUMENTATION ENGINEERING must be referred to frame the detail syllabus
- c. Instead of Physics for Electronics- Material Science must be included
- d.** Technical English –II shall be replaced by any Language Electives/Foreign Language
- e. Live in Projects –not to specify the domain.
- f. Skill Development must be specified-Training given in 1st to3rd semester must be specified
- g. Skill development training for higher semesters must also be specified

Dr. D.Nedumaran (Professor-University of Madras)

- a. Embedded Systems covering Aurdino and Raspberry Pi, Interfacing Techniques shall be included instead of general microprocessor and Microcontrollers

Mr.A.Mathivannan(Industry Expert)

- a. Following Core Subjects content should be in par with the Industry requirements
 - Control Valves –types
 - Process variable measurements in Industrial Instrumentation
 - Vibration measurements in mechanical measurements
 - Green Energy Techniques in Power Plant Instrumentation
 - Logic and DCS- should cover-complete PLC Programming, DCS,SCADA – RTU
- b. The following subjects must be included in the electives
 - Smart Sensors and Instrumentation
 - Instrumentation System Design

Mr.Suman Murali(Alumni Expert)

- a. Number of days for Industrial Internship shall be specified and full 3 months shall be given for the students to get more industrial exposure

Based on the suggestions given by the members, the Chairman of BOS replied that the fruitful suggestions would be incorporated appropriately in the curriculum and syllabi. Subjects related to other board of studies – the suggestions of BOS will be informed to the respective board chairman to take necessary steps.

BOS resolved to make the appropriate changes in the curriculum and syllabi and get the concurrence from the BOS members and then recommend the following to the Academic Council for further approval. In this regard the details to be submitted are as follows:

- a. **Curriculum and Syllabus for core courses of B.E. Instrumentation and Control Engineering Programme as enclosed in Annexure 1.**
- b. **List of Professional and Open Elective Courses in B.E. Instrumentation and Control Engineering Programme as enclosed in Annexure 2.**

In the concluding remarks, the Chairman of BOS stated the recommendations suggested in UG Curriculum would be considered. And the meeting ended with Vote of thanks by the Chairman

1. Dr. J.Krishnan, M.Tech., Ph.D
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Annamalai University-Electronics and Instrumentation.
Annamalainagar, Tamil Nadu.

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Professor .,
Department of Instrumentation & Control Engineering
National Institute of Technology ,Trichy
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