

SRM Valliammai Engineering College

(An Autonomous Institution)

Approved by AICTE & Affiliated to Anna University, Chennai.

'A' Grade Accreditation by NAAC, NBA Accredited, ISO 9001:2015 Certified

Department of Electronics and Instrumentation Engineering

Date: 25/01/2020

Second Meeting of Board of Studies (BoS) in the Department of Electronics and Instrumentation Engineering is conducted on 25.01.2020 (Saturday) at 10.00 AM in the R&D lab of Electronics and Instrumentation Engineering Department, SRM Valliammai Engineering College.

Minutes of Meeting

Item No.	Particulars																												
EIE 2.01	Discussed and approved the B.E. Degree Curriculum and Syllabi of the following subjects III to VIII Semesters under the 2019 Regulations for Electronics and Instrumentation Engineering.																												
	Semester III																												
	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Course Code</th> <th>Course title</th> <th>Category</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>Electron Devices and Circuits</td> <td>ES</td> </tr> <tr> <td>2</td> <td></td> <td>Electrical and Electronic Instruments</td> <td>PC</td> </tr> <tr> <td>3</td> <td></td> <td>Transducers Engineering</td> <td>PC</td> </tr> <tr> <td>4</td> <td></td> <td>Measurements and Transducers Laboratory</td> <td>PC</td> </tr> <tr> <td>5</td> <td></td> <td>Circuits and Devices Laboratory</td> <td>PC</td> </tr> </tbody> </table>	S. No.	Course Code	Course title	Category	1		Electron Devices and Circuits	ES	2		Electrical and Electronic Instruments	PC	3		Transducers Engineering	PC	4		Measurements and Transducers Laboratory	PC	5		Circuits and Devices Laboratory	PC				
	S. No.	Course Code	Course title	Category																									
	1		Electron Devices and Circuits	ES																									
	2		Electrical and Electronic Instruments	PC																									
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	Semester IV																												
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	S. No.	Course Code	Course title	Category																									
	1		Electrical Machines	ES																									
	2		Digital Logic Circuits	PC																									
	3		Linear Integrated Circuits and Applications	PC																									
	4		Industrial Instrumentation-I	PC																									
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	6		Linear and Digital Integrated Circuits Laboratory	PC																									
	Semester V																												
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	S. No.	Course Code	Course title	Category																									
1		Industrial Instrumentation -II	PC																										
2		Discrete Time Signal Processing	PC																										
3		Communication Engineering	PC																										
4		Open Elective I	OE																										
5		Industrial Instrumentation Laboratory	PC																										
6		Microprocessors and Microcontrollers Laboratory	PC																										

SRM Nagar, Kattankulathur-603 203, Kancheepuram District, Tamil Nadu, India.

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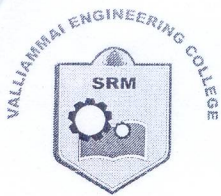
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M. S. 25/1/2020

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Semester VI

S. No.	Course Code	Course title	Category
1		Logic and Distributed Control System	PC
2		Process Control	PC
3		Professional Elective I	PE
4		Professional Elective II	PE
5		Process Control Laboratory	PC
6		Internship	EEC
7		Mini Project	EEC

Semester VII

S. No.	Course Code	Course title	Category
1		Computer control of Process	PC
2		Industrial data network	PC
3		Professional Elective- III	PE
4		Professional Elective- IV	PE
5		Open Elective- II	OE
6		Industrial Automation Laboratory	PC
7		Instrumentation System Design Laboratory	PC
8		Internship	EEC
9		Project -Phase I	EEC

Semester VIII

S. No.	Course Code	Course title	Category
1		Professional Elective - V	PE
2		Professional Elective -VI	PE
3		Project Work-Phase II	EEC

PROFESSIONAL ELECTIVE I (VI SEMESTER)

S. No.	Course Code	Course title	Category
1		System Identification	PE

PROFESSIONAL ELECTIVE II (VI SEMESTER)

S. No.	Course Code	Course title	Category
1		Adaptive Control	PE
2		Advanced Instrumentation Systems	PE
3		Applied Soft Computing	PE
4		Analytical Instruments	PE

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M. J. 25/1/2020

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PROFESSIONAL ELECTIVE III (VII SEMESTER)

S. No.	Course Code	Course title	Category
1		Biomedical Instrumentation	PE
2		Fibre Optics and Laser Instrumentation	PE
3		Artificial Intelligence	PE

PROFESSIONAL ELECTIVE IV (VII SEMESTER)

S. No.	Course Code	Course title	Category
1		Instrumentation Standards	PE
2		Non Linear Control	PE
3		Advanced Control System	PE
4		Machine Learning	PE

PROFESSIONAL ELECTIVE V (VIII SEMESTER)

S. No.	Course Code	Course title	Category
1		Thermal Power Plant Instrumentation	PE
2		Advanced Process Control	PE
3		Process Modeling and Simulation	PE

PROFESSIONAL ELECTIVE VI (VIII SEMESTER)

S. No.	Course Code	Course title	Category
1		Instrumentation in Petrochemical Industries	PE
2		Robotics and Automation	PE

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Discussed and approved the M.E Degree Curriculum and Syllabi for III and IV Semesters under the 2019 Regulations in Autonomous for P.G - Control and Instrumentation Engineering Programme.

PROFESSIONAL ELECTIVE IV, V and VI (III SEMESTER)

EIE
2.02

S. No.	Course Code	Course title	Category
1	1913301	Robust Control	PE
2	1913302	Optimal Control	PE
3	1913303	System Identification and Adaptive Control	PE
4	1913304	Fault Tolerant Control	PE
5	1913305	Robotics and Automation	PE
6	1913306	Internet of Things and Applications	PE
7	1913307	Wireless Sensor Networks	PE
8	1913308	MEMS Technology	PE
9	1913309	Smart Grid	PE
10	1913310	Renewable Energy Systems	PE
11	1913311	Digital Instrumentation	PE
12	1913312	Robotics and Control	PE
13	1913313	Artificial Intelligence	PE
14	1913314	Machine Learning	PE
15	1913315	Chemical Process Systems	PE

Discussed and approved the B.E. Degree Syllabi of III semester subjects for the other departments as per requests received from various HoD's in 2019 Regulations

EIE
2.03

Semester III

S. No.	Course Code	Course title	Department	Category
1		Measurements and Instrumentation	Medical Electronics	PC
2		Instrumentation Laboratory	Medical Electronics	PC

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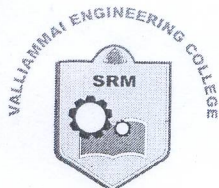
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M. A. 25/11/2020

25/11/2020

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25-1-2020



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Discussed and approved the B.E. Degree Syllabi of V semester subjects for the other departments as per requests received from various HoD's in 2019 Regulations

Semester V

S. No.	Course Code	Course title	Department	Category
1		Sensors and Transducers	Agriculture, EEE, IT, MECH	OE-I
2		Basics of Biomedical Instrumentation	ECE EEE	OE-I
3		Robotics and Automation	ECE, Medical Electronics	PE-I
4		Biomedical Instrumentation	MECH	OE-I

EIE
2.04

Discussed and approved the B.E. Degree Syllabi of VI semester subjects for the other departments as per requests received from various HoD's in 2019 Regulations

Semester VI

S. No.	Course Code	Course title	Department	Category
1		Principles of Robotics	EEE	PE-II
2		Process Modeling and Simulation	EEE	OE-II

EIE
2.05

Discussed and approved the B.E. Degree Syllabi of VII semester subjects for the other departments as per requests received from various HoD's in 2019 Regulations

Semester VII

S. No.	Course title	Course title	Department	Category
1		Process Modeling and Simulation	Medical Electronics	PE-IV
2		Transducer Engineering	ECE, IT, Medical Electronics	OE-II
3		State Variable Analysis and Design	MECH	OE-II
4		Fibre Optics and Laser Instrumentation	EEE	PE-III

EIE
2.06

EIE
2.07

- Text books and Reference books edition details should be updated.
- Prerequisite should be provided in the syllabus.
- Objectives and Outcomes should be updated.

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EIE 2.08	<ul style="list-style-type: none"> Project Report format should be followed as per Anna University format.
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S.No.	Name	Designation	Category	Signature
1	Dr. S. Visalakshi	Professor & Head	Chairman	<i>[Signature]</i> 25/10/2020
2	Dr. D. Manamalli	Professor, Department of Instrumentation Engineering, MIT Campus, Anna University, Chennai	Member (University Nominee)	<i>[Signature]</i> 25/10/2020
3	Dr. M.Arivazhagan	Professor, Department of Chemical Engineering, NIT, Trichy.	Member (Subject Expert)	<i>[Signature]</i> 25/11/2020
4	Dr. K.Selvajyothi	Assistant Professor and Head, Department of Electronics and Communication Engineering, IITDM, Kancheepuram	Member (Subject Expert)	<i>[Signature]</i>
5	Mr.G.P.Thirumurugan	CEO, RLT Instrumentation P. Ltd, Chengalpattu	Member	<i>[Signature]</i>
6	Dr. K. Ayyar	Associate Professor	Member	<i>[Signature]</i> 26/10/2020
7	Dr. S. C. Prasanna	Assistant Professor (Sel. G)	Member	<i>[Signature]</i> 25/10/2020
8	Ms. K. S. Jaibhavani	Assistant Professor (Sel. G)	Member	<i>[Signature]</i> 25/10/2020
9	Mr. P. Balaji	HR-Innive Inc, Chennai	Alumni	<i>[Signature]</i> 25-1-2020

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