

# SYED AMMAL ENGINEERING COLLEGE

(An Autonomous Institution)



Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai

Accredited with 'A+' Grade by NAAC

NBA Accredited UG Courses : CSE & MECH | Anna University Approved Research Centres : ECE, EEE, CSE & MECH

Dr. E.M. Abdullah Campus, Ramanathapuram - 623 502 Tamilnadu.



Ph: 04567 - 222 234, Mobile : 94873 04000, 84893 04000, 87548 88877 | E-mail : office@syedengg.ac.in | Web : www.syedengg.ac.in

## Minutes of the Board of Studies Meeting

Faculty : School of Electronics  
Programmes offered : B.E. – Electronics and Communication Engineering,  
B.E. – Biomedical Engineering  
M.E. – VLSI Design  
Date & Time : 21<sup>st</sup> May 2024 at 10:30 am  
Venue : DSP Laboratory, Department of ECE

The members of the Board of Studies are

S.No.	Member Category	Name, Designation and Affiliation
1	Chairman	<b>Dr. G. MAHENDRAN</b> , Prof. & Head, Department of Electronics and Communication Engineering, Syed Ammal Engineering College Ramanathapuram – 623 502
2	University Nominee	<b>Dr. D. Sriram Kumar</b> , M.E., Ph.D., Professor, Department of ECE, National Institute of Technology Tiruchirappalli, Tiruchirappalli-620015.
3	Subject Expert from Outside the University	<b>Dr. T. Arun Prasath</b> , M.E., Ph.D, PDF Associate Professor (Sr.) & Head Department of Biomedical Engineering Kalasalingam Academy of Research and Education, Anand Nagar, Krishnankovil-626 126.
4	Subject Expert from Outside the University	<b>Dr. D. Nirmal</b> , M.E., Ph.D., Associate Dean, Engineering and Technology, Professor/ECE, Karunya Institute of Technology and Sciences Coimbatore- 641114.
5	Industry Representative	<b>Mr. T. Anantha Selva Kumar</b> , B.E. Senior Consultant, Wipro Pvt. Ltd., Sholinganallur, Chennai- 600 119
6	Nominee from Meritorious Post Graduate Alumni	<b>Dr. D. Gracia Nirmala Rani</b> , M.E., Ph.D., Associate Professor, Department of ECE, Thiyagarajar College of Engineering, Madurai - 625 015.
7	Members of the Faculty of School of Electronics	1. Dr. S. Murugeswari, ASP & HEAD, BME 2. Dr. N. Kirubanandasarathy , Prof., ECE 3. Dr. A. Valanarasi , ASP, ECE 4. Mr. J. Sakubar Sadiq. ASP, ECE 5. Mr. S. Praveen Samuel Washburn, AP, ECE

		6. Mrs. N. Karthika Devi, AP, ECE 7. Mrs. G. Bharathi, AP, ECE 8. Mr. M. Mohamed Faizal, AP, ECE 9. Mrs. M.H. Safana Begam, AP, ECE 10. Mr. B. Saravanan, AP, ECE 11. Mrs. N. Minhaj Begam, AP, ECE 12. Mrs. S. Ananthi, AP, ECE 13. Mr. G. Murali Manogar Joshi, AP, ECE
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Dr. G. Mahendran, Chairman, Board of studies of the faculty of School of Electronics welcomed and introduced the BoS members for the 1<sup>st</sup> BoS meeting. He started the presentation with a brief introduction of the department and explained the highlights of the new curriculum to the members. The following points were discussed and recommended for the approval by Academic Council.

**B.E. – Electronics and Communication Engineering:**

1. The proposed curriculum and syllabus of I and II Semesters were confirmed and recommended for the approval by the Academic Council.
2. Dr. G. Mahendran proposed that Introduction of Programming in C (Theory course) and C Programming Laboratory were included courses in I semester.
3. The detailed syllabus of Circuit Analysis (Theory Course) and Circuit Analysis Laboratory has been discussed and confirmed by the BOS members.
4. Dr. Sriram Kumar suggested that some of the experiments in Circuit analysis Laboratory can be carried out using PSPICE.
5. Dr. Nirmal Suggested to mention the name of the languages taught in Communication Laboratory /Foreign Language in the curriculum of II semester.
6. Dr. G. Mahendran proposed that Python Programming (Theory course) and Python Programming Lab were included in III semester. Mr. Anantha Selva Kumar told that there must be a continuity in learning C Programming and Python programming. Dr. Sriram Kumar suggested to include Python Programming (Theory course) and Python Programming Lab in the second semester. Since the total credits in the second semester is already 26, it is decided to keep Python Programming and Python Programming Lab in III semester.
7. The proposed curriculum of III – VIII Semesters were presented by HOD-ECE for the approval of Board of Studies.
8. Mr. Ananth Selva Kumar told that the ECE students should be given with more exposure on software languages.
9. Dr. Mahendran told that a new course Web Technology is included in IV semester under EEC category with a credit of 1.

10. Dr.D. Gracia Nirmala Rani suggested to swap the Control Systems in III Semester and Electromagnetic Fields in IV Semester.
11. Dr. D. Gracia Nirmala Rani proposed to include the topic of IC Fabrication technology in Linear integrated circuits in IV Semester and change the name of the course as Analog Integrated Circuits. It is also decide to change the name of the practical course as Analog Integrated Circuits Laboratory instead of Linear Integrated Circuits Laboratory.
12. Dr. Nirmal suggested to include a course VLSI Technology as a Professional Elective Course.
13. Dr. Gracia Nirmala Rani suggested to change the name of the course VLSI and Chip Design in V semester as VLSI Circuits and Design.
14. Dr. Sriram Kumar and Dr. Nirmal Suggested to give the clarity of Project/Internship in VIII semester and advised that the project may be implemented outside the campus.
15. Dr. Sriram Kumar proposed that there a maximum of two text books may be prescribed for each subject.
16. Dr. Arun Prasath implied that the NPTEL link may be given in the list of references.
17. Dr. Sriram Kumar suggested to include the subject Wireless Systems instead of Wireless Communication.

**B.E. – Biomedical Engineering:**

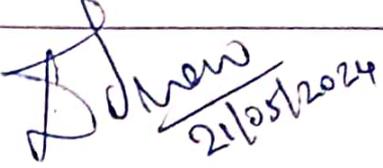
1. The proposed curriculum and syllabus of I and II Semesters were confirmed and recommended for the approval of the Academic Council.
2. Dr. Murugeswari proposed that Programming in C (Theory course) and C Programming Lab were included in I semester and Python Programming (Theory course) and Python Programming Lab were included in III semester.
3. The proposed curriculum of III – VIII Semesters were presented and recommended for the approval by the Academic Council.
4. Dr. Sriram Kumar suggested to change the name of the course Fundamentals of Electronic Devices and Circuits in III semester as Analog Devices and Circuits.
5. Dr. Arun Prasath recommended to include a course Clinical Biochemistry instead of Analog Integrated Circuits. Dr. Murugeswari told that most of the topics of Clinical Biochemistry have been covered in the course Biosciences for Medical Engineering in II semester. Dr. Arun Prasath accepted after going through the syllabus of the Biosciences for Medical Engineering.
6. Dr. Gracia Nirmal Rani and Dr. Nirmal suggested to change the name of the course Signal Processing as Biosignal Processing. Dr. Murugeswari told that the course Biosignal Processing is one of the Professional elective papers.

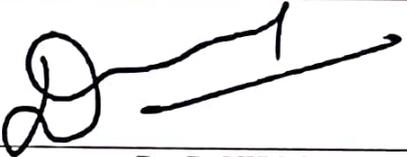
7. Dr. Sriram Kumar and Dr. Nirmal Suggested to allow the students for Internship in different hospitals with Stipend and also to provide an appropriate credit based on their performance.
8. Dr. Arun Prasath recommended to include Biosensors and Wearable devices and Medical Imaging Techniques as the Professional Elective Courses. Dr. Murugeswari told that Wearable Devices Course is already in the list of electives.

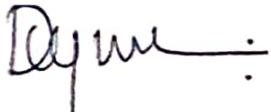
**M.E. – VLSI Design:**

1. The proposed curriculum and syllabus of I and II Semesters were confirmed and recommended for the approval by the Academic Council.
2. The proposed curriculum of III and IV Semesters were presented and recommended for the approval by the Academic Council.
3. Dr. D.Gracia Nirmala Rani proposed to include IC Fabrication technology in VLSI Design
4. Dr.Nirmal recommended to include VLSI Technology as a Professional Elective Course.

The suggestions given by the University Nominee and the experts will be considered for inclusion in the curriculum and syllabus. The suggestions are very much useful for refining the curriculum. Finally, the meeting ended with a vote of thanks by Dr. G. Mahendran, Chairman BoS. The Chairman thanked all the members for their valuable suggestions and substantial inputs provided in the meeting.

	
<p><b>Dr. G. MAHENDRAN</b>  <b>Chairman Bos</b>  Professor &amp; Head  Department of Electronics and Communication  Engineering  Syed Ammal Engineering College  Ramanathapuram – 623 502</p>	<p><b>Dr. D. SRIRAM KUMAR</b>  <b>University Nominee</b>  Professor, Department of ECE,  National Institute of Technology  Tiruchirappalli,  Tiruchirappalli-620015.</p>

	
<p><b>Dr. T. ARUN PRASATH</b>  <b>Subject Expert from Outside the University</b>  Associate Professor (Sr.) &amp; Head  Department of Biomedical Engineering  Kalasalingam Academy of Research and Education,  Anand Nagar, Krishnankovil-626 126.</p>	<p><b>Dr. D. NIRMAL</b>  <b>Subject Expert from Outside the University</b>  Associate Dean, Engineering and Technology,  Professor/ECE,  Karunya Institute of Technology and Sciences  Coimbatore- 641114.</p>

	
<p><b>Er. T. ANANTHA SELVA KUMAR</b>  <b>Industry Representative</b>  Senior Consultant, Wipro Pvt. Ltd.,  Sholinganallur, Chennai- 600 119</p>	<p><b>Dr. D. GRACIA NIRMALA RANI</b>  <b>Nominee from Meritorious Post Graduate Alumni</b>  Associate Professor, Department of ECE,  Thiagarajar College of Engineering,  Madurai - 625 015</p>

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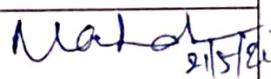
## Faculty of School of Electronics

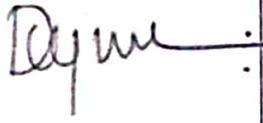
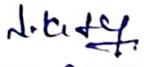
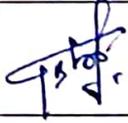
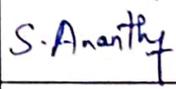
### Board of Studies Meeting – Attendance Report

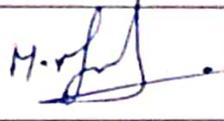
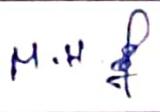
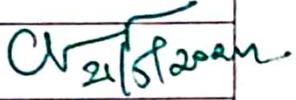
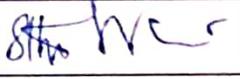
Date : 21-05-2024

Time : 10.30 am

Venue : DSP Lab

S.No.	Name	Designation	Signature
1	Dr. G. MAHENDRAN	Professor & Head Chairman BoS	 21/5/24
<b>Members of the Faculty</b>			
2	Dr. D. SRIRAM KUMAR	Professor, Department of ECE, National Institute of Technology Tiruchirappalli, University Nominee	 21/5/2024
3	Dr. T. ARUN PRASATH	Associate Professor (Sr.) & Head Department of Biomedical Engineering Kalasalingam Academy of Research and Education, Subject Expert from Outside the University	 21/5/24
4	Dr. D. NIRMAL	Associate Dean, Engineering and Technology, Professor/ECE, Karunya Institute of Technology and Sciences, Coimbatore Subject Expert from Outside the University	

5	Er. T. ANANTHA SELVA KUMAR	Senior Consultant, Wipro Pvt. Ltd., Sholinganallur, Chennai <b>Industry Representative</b>	
6	Dr. D. GRACIA NIRMALA RANI	Associate Professor, ECE Thiagarajar College of Engineering, Madurai <b>Nominee from Meritorious Post Graduate Alumni</b>	
7	Dr. S. MURUGESWARI	Associate Professor & Head Department of BME	
8	Dr. N. KIRUBANANDASARATHY	Professor/ECE	
9	Dr. A. VALANARASI	Associate Professor/ECE	
10	Mr. J. SAKUBAR SADIQ	Associate Professor/ECE	
11	Mr. S. PRAVEEN SAMUEL WASHBURN	Assistant Professor/ECE	
12	Mrs. N. KARTHIKA DEVI	Assistant Professor/ECE	
13	Mrs. G. BHARATHI	Assistant Professor/ECE	
14	Mr. B. SARAVANAN	Assistant Professor/ECE	
15	Mrs. N. MINHAJ BEGAM	Assistant Professor/ECE	
16	Mrs. S. ANANTHI	Assistant Professor/ECE	
17	Mr. G. MURALI MANOGAR JOSHI	Assistant Professor/ECE	

18	Mr. M. MOHAMED FAIZAL	Assistant Professor/ECE	
19	Mrs. M.H. SAFANA BEGAM	Assistant Professor/ECE	
<b>Invited Members</b>			
1	Dr. M. PERIYASAMY	Professor/ECE Principal	
2	Dr. S.M.H. SITHI SHAMEEM FATHIMA	Professor/CSE Director-Research	
3			
4			
5			
6			

  
21/5/24  
**Dr. G. MAHENDRAN**  
Chairman BoS

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## SCHOOL OF ELECTRONICS

### FIRST BOARD OF STUDIES MEETING PHOTOS

DATE: 21.05.2024



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## Minutes of the Board of Studies Meeting

Faculty : Faculty of ECE  
Programmes offered : B.E. – Electronics and Communication Engineering,  
B.E. – Biomedical Engineering  
M.E. – VLSI Design  
Date & Time : 20.12. 2024 at 11:00 am  
Venue : Board Room

The members of the Board of Studies are:

S.No.	Member Category	Name, Designation and Affiliation
1	Chairman	<b>Dr. G. MAHENDRAN</b> , Prof. & Head, Department of Electronics and Communication Engineering, Syed Ammal Engineering College Ramanathapuram – 623 502
2	University Nominee	<b>Dr. D. Sriram Kumar</b> , M.E., Ph.D., Professor, Department of ECE, National Institute of Technology Tiruchirappalli, Tiruchirappalli-620015.
3	Subject Expert from Outside the University	<b>Dr. T. Arun Prasath</b> , M.E., Ph.D, PDF Associate Professor (Sr.) & Head Department of Biomedical Engineering Kalasalingam Academy of Research and Education, Anand Nagar, Krishnankovil-626 126.
4	Subject Expert from Outside the University	<b>Dr. D. Nirmal</b> , M.E., Ph.D., Associate Dean, Engineering and Technology, Professor/ECE, Karunya Institute of Technology and Sciences Coimbatore- 641 114.
5	Industry Representative	<b>Mr. T. Anantha Selva Kumar</b> , B.E. Senior Consultant, Wipro Pvt. Ltd., Sholinganallur, Chennai- 600 119
6	Nominee from Meritorious Post Graduate Alumni	<b>Dr. D. Gracia Nirmala Rani</b> , M.E., Ph.D., Associate Professor, Department of ECE, Thiyagarajar College of Engineering, Madurai - 625 015.
7	Members of the Faculty of School of Electronics	1. Dr. S. Murugeswari, ASP & HEAD, BME 2. Dr. N. Kirubanandasarathy, Prof., ECE 3. Dr. A. Valanarasi, ASP, ECE 4. Mr. J. Sakubar Sadiq, ASP, ECE 5. Dr. A. Shyamala, ASP, ECE

		6. Mr. S. Praveen Samuel Washburn, AP, ECE 7. Mrs. N. Karthika Devi, AP, ECE 8. Mr. M. Mohamed Faizal, AP, ECE 9. Mrs. N. Minhaj Begam, AP, ECE 10. Mrs. R. Nazreen Roja, AP, BME
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Dr. G. Mahendran, Chairman, Board of studies of the faculty of ECE welcomed and introduced the BoS members for the second BOS meeting. He started the presentation with a brief introduction of the department along with the Program Educational Objectives, Program Outcomes, and Program Specific Outcomes of the programmes. The following points were discussed and recommended for the approval by Academic Council.

**B.E. – Electronics and Communication Engineering:**

1. The proposed curriculum and syllabus of II Semester were confirmed and recommended for the approval by the Academic Council.
2. The detailed syllabus of Circuit analysis (Theory Course) and Circuit Analysis Laboratory has been presented by BoS Chairman and discussed and confirmed by the BOS members.
3. A new course Web Technology is included in IV semester under EEC category
4. The curriculum of III – VIII Semesters was proposed for the approval by the BoS members
5. Dr. Gracia recommended to swap the courses Signals and Systems of III semester and Electromagnetic fields of IV semester.
6. The members suggested to include one tutorial hour for the course Electromagnetic Fields and the credit is increased from 3 to 4.
7. Dr. Sriram Kumar recommended to shift Control Systems III semester to V semester and to shift Environmental Sciences and Sustainability from IV semester to III semester.
8. Dr. Gracia Nirmala Rani and Mr. Anantha Selvakumar proposed to include Miniproject in the list of experiments of all the practical courses.
9. Dr. Sriram Kumar suggested to change the name of the course Networks and Security as Communication Networks and Security and Communication Systems as Analog and Digital Communication. Its concerned laboratory name is also to be changed as Analog and Digital Communication Lab.
10. Dr. Sriram Kumar proposed to change the name of the course Transmission Lines and RF Systems as Transmission Lines and Waveguide. He suggested to shift the course from V semester to IV semester. Instead, Digital Signal Processing is shifted to V semester.
11. Dr. Gracia Nirmala Rani proposed to change the name of the course VLSI and Chip Design as VLSI Circuits and Systems and to shift the course from V semester to IV semester.
12. Dr. Nirmal suggested to change the contents of the syllabus for the course VLSI Circuits and Systems.
13. Dr. Sriram Kumar recommended to retain total credits between 165 and 170 for B.E. ECE.

14. Dr. G. Mahendran asked the BOS members whether we can include Microwave and Optical Communication Laboratory in VI semester as more microwave benches and optical trainer kits have been purchased but not used by the students and the practical course is currently not in curriculum. The members accepted to include the practical course as advanced Communication Systems laboratory.

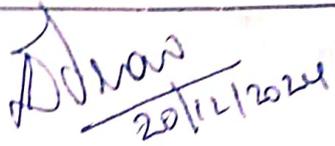
#### **B.E. – Biomedical Engineering:**

1. The proposed curriculum and syllabus of II Semester were confirmed and recommended for the approval by the Academic Council.
2. The curriculum of III – VIII Semesters was proposed for the approval by the Academic Council.
3. Dr. Sriram Kumar suggested to change the name of the course Fundamentals of Electronic Devices and Circuits as Electronic Devices and Fundamentals of Electronic Devices and Circuits Lab as Electronic Devices and Circuits Lab.
4. Dr. Arunprasath proposed to change the name of the course Anatomy and Human Physiology as Human Anatomy and Physiology.
5. Dr. Arunprasath suggested to change the name of the course Embedded systems and IoMT as Embedded systems in Medicines.
6. He also proposed to include IoMT and Bio MEMS as Professional Elective Courses.

#### **M.E. – VLSI Design:**

1. The proposed curriculum and syllabus of II Semester were confirmed and recommended for the approval by the Academic Council.
2. The curriculum of III and IV Semesters were proposed for the recommendation and suggestion by the BOS members.
3. Dr. Nirmal recommended to include a new course VLSI Design Techniques as a Professional Elective Course in II Semester in addition to the existing Professional Elective Courses.

The suggestions given by the University Nominee and the experts will be considered for inclusion in the curriculum and syllabus. The suggestions are very much useful for refining the curriculum. Finally, the meeting ended with a vote of thanks by Dr. G. Mahendran, Chairman BoS. The Chairman thanked all the members for their valuable suggestions and substantial inputs provided in the meeting.

 20/12/24	 20/12/2024
<p align="center"><b>Dr. G. MAHENDRAN</b>  <b>Chairman Bos</b>  Professor &amp; Head  Department of Electronics and Communication  Engineering  Syed Ammal Engineering College  Ramanathapuram – 623 502</p>	<p align="center"><b>Dr. D. SRIRAM KUMAR</b>  <b>University Nominee</b>  Professor, Department of ECE,  National Institute of Technology  Tiruchirappalli,  Tiruchirappalli-620015.</p>

	
<p align="center"><b>Dr. T. ARUN PRASATH</b>  <b>Subject Expert from Outside the University</b>  Associate Professor (Sr.) &amp; Head  Department of Biomedical Engineering  Kalasalingam Academy of Research and Education,  Anand Nagar, Krishnankovil-626 126.</p>	<p align="center"><b>Dr. D. NIRMAL</b>  <b>Subject Expert from Outside the University</b>  Associate Dean, Engineering and Technology,  Professor/ECE,  Karunya Institute of Technology and Sciences  Coimbatore- 641114.</p>

	
<p align="center"><b>Er. T. ANANTHA SELVA KUMAR</b>  <b>Industry Representative</b>  Senior Consultant, Wipro Pvt. Ltd.,  Sholinganallur, Chennai- 600 119</p>	<p align="center"><b>Dr. D. GRACIA NIRMALA RANI</b>  <b>Nominee from Meritorious Post Graduate Alumni</b>  Associate Professor, Department of ECE,  Thiagarajar College of Engineering,  Madurai - 625 015</p>

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## Faculty of ECE

### Board of Studies Meeting – Attendance Report

Date: 20.12.2024

Time: 11.00 am

Venue: Board Room

S. No.	Members of the Faculty	Department	Signature
1	Dr. S. MURUGESWARI	Associate Professor & Department of BME	
2	Dr. N. KIRUBANANDASARATHY	Professor/ECE	
3	Dr. A. VALANARASI	Associate Professor / ECE	
4	Mr. J. SAKUBAR SADIQ	Associate Professor / ECE	
5	Dr. A. SHYAMALA	Associate Professor / ECE	
6	Mr. S. PRAVEEN SAMUEL WASHBURN	Assistant Professor/ECE	
7	Mrs. N. KARTHIKA DEVI	Assistant Professor/ECE	
8	Mrs. N. MINHAIJ BEGAM	Assistant Professor/ECE	
9	Mr. M. MOHAMED FAIZAL	Assistant Professor/ECE	
10	Mrs. R. NAZREEN ROJA	Assistant Professor/BME	
<b>Invited Members</b>			
11	Dr. M. PERIYASAMY	Professor /ECE Principal	
12	Dr. S.M.H. SITHI SHAMEEM FATHIMA	Professor/CSE Director -Research	

Dr. G. MAHENDRAN  
Chairman BoS

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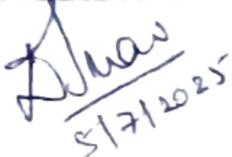
## Faculty of School of Electronics

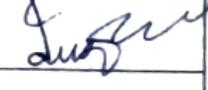
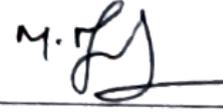
### Board of Studies Meeting – Attendance Report

Date : 05-07-2025

Time : 11.00 am

Venue : Board Room

S.No.	Name	Designation	Signature
1	Dr. G. MAHENDRAN	Professor & Head Chairman BoS	
<b>Members of the Faculty</b>			
2	Dr. D. SRIRAM KUMAR	Professor, Department of ECE, National Institute of Technology Tiruchirappalli, University Nominee	
3	Dr. T. ARUN PRASATH	Associate Professor (Sr.) & Head Department of Biomedical Engineering Kalasalingam Academy of Research and Education, Subject Expert from Outside the University	
4	Dr. D. NIRMAL	Associate Dean, Engineering and Technology, Professor/ECE, Karunya Institute of Technology and Sciences, Coimbatore Subject Expert from Outside the University	

5	Er. T. ANANTHA SELVA KUMAR	Senior Consultant, Wipro Pvt. Ltd., Sholinganallur, Chennai <b>Industry Representative</b>	
6	Dr. D. GRACIA NIRMALA RANI	Professor, ECE Thiagarajar College of Engineering, Madurai <b>Nominee from Meritorious Post Graduate Alumni</b>	
7	Dr. S. MURUGESWARI	Associate Professor & Head Department of BME	
8	Dr. N. KIRUBANANDASARATHY	Professor/ECE	
9	Dr. A. VALANARASI	Associate Professor/ECE	
10	Dr. A. SHYAMALA	Associate Professor/ECE	
11	Mr. J. SAKUBAR SADIQ	Associate Professor/ECE	
12	Mr. S. PRAVEEN SAMUEL WASHBURN	Assistant Professor/ECE	
13	Mrs. N. KARTHIKA DEVI	Assistant Professor/ECE	
14	Mrs. N. MINHAJ BEGAM	Assistant Professor/ECE	
15	Mr. M. MOHAMED FAIZAL	Assistant Professor/ECE	
16	Mrs. R. NAZREEN ROJA	Assistant Professor/BME	
17	Mrs, V. VINOTHINI	Assistant Professor/BME	

<b>Invited Members</b>			
1	Dr. M. PERIYASAMY	Professor/ECE Principal	art
2	Dr. S.M.H. SITHI SHAMEEM FATHIMA	Professor/CSE Director-Research	SHAMEEM 5/7/25
3			
4			
5			
6			

  
 5/7/25  
**Dr. G. MAHENDRAN**  
 Chairman BoS

# SYED AMMAL ENGINEERING COLLEGE

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## Minutes of the Board of Studies Meeting

Faculty : Faculty of ECE

Programmes offered : B.E. – Electronics and Communication Engineering,  
B.E. – Biomedical Engineering  
M.E. – VLSI Design

Date & Time : 05.07. 2025 at 11:00 am

Venue : Board Room

The members of the Board of Studies are:

S.No.	Member Category	Name, Designation and Affiliation
1	Chairman	<b>Dr. G. MAHENDRAN</b> , Prof. & Head, Department of Electronics and Communication Engineering, Syed Ammal Engineering College Ramanathapuram – 623 502
2	University Nominee	<b>Dr. D. Sriram Kumar</b> , M.E., Ph.D., Professor, Department of ECE, National Institute of Technology Tiruchirappalli, Tiruchirappalli-620015.
3	Subject Expert from Outside the University	<b>Dr. T. Arun Prasath</b> , M.E., Ph.D, PDF Associate Professor (Sr.) & Head Department of Biomedical Engineering Kalasalingam Academy of Research and Education, Anand Nagar, Krishnankovil-626 126.
4	Subject Expert from Outside the University	<b>Dr. D. Nirmal</b> , M.E., Ph.D., Associate Dean, Engineering and Technology, Professor/ECE, Karunya Institute of Technology and Sciences Coimbatore- 641114.
5	Industry Representative	<b>Mr. T. Anantha Selva Kumar</b> , B.E. Senior Consultant, Wipro Pvt. Ltd., Sholinganallur, Chennai- 600 119
6	Nominee from Meritorious Post Graduate Alumni	<b>Dr. D. Gracia Nirmala Rani</b> , M.E., Ph.D., Professor, Department of ECE, Thiyagarajar College of Engineering, Madurai - 625 015.
7	Members of the Faculty of School of Electronics	1. Dr. S. Murugeswari, ASP & HEAD, BME 2. Dr. N. Kirubanandasarathy, Prof., ECE 3. Dr. A. Valanarasi, ASP, ECE 4. Mr. J. Sakubar Sadiq. ASP, ECE 5. Dr. A. Shyamala, ASP, ECE

		6. Mr. S. Praveen Samuel Washburn, AP, ECE 7. Mrs. N. Karthika Devi, AP, ECE 8. Mr. M. Mohamed Faizal, AP, ECE 9. Mrs. N. Minhaj Begam, AP, ECE 10. Mrs. R. Nazreen Roja, AP, BME
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Dr. G. Mahendran, Chairman, Board of studies of the faculty of ECE welcomed the BoS members for the third BOS meeting. He started the presentation with a brief introduction of the department along with the Program Educational Objectives, Program Outcomes, and Program Specific Outcomes of the programmes. The following points were discussed and recommended for the approval by Academic Council.

**B.E. – Electronics and Communication Engineering:**

1. The proposed curriculum and syllabus of III Semester were presented by HOD-ECE for the approval of BOS members.
2. The detailed syllabus of “Electronic Devices and Circuits (Theory Course), Electromagnetic Fields (Theory Course), Digital System Design (Theory Cum Practical Course)” have been presented by the HOD-ECE for discussion and confirmation by the BOS members.
3. The detailed syllabus of “Electronic Devices and Circuits Laboratory” (Practical Course) has been presented by the HOD-ECE for discussion and confirmation by the BOS members.
4. Dr. Sriram Kumar suggested to reduce the total credits from 167 to 165.
5. The BOS members proposed to include the web resources and the link of NPTEL courses in the list of reference books.
6. Dr. Sriram Kumar suggested to present the details of the Patents, Research and consultancies in the forthcoming BOS meetings.
7. Dr. Gracia Nirmala Rani suggested to have more number of MOUs with reputed concerns.
8. BOS members recommended to include the text books and reference books of latest edition.
9. Dr. Sriram Kumar suggested to shift the text book “Micro Electronic Circuits” to the list of reference books for the course “Electronic Devices and Circuits”. He also recommended “Electronic Devices and Circuits” by Salivahanan book to include as one of the reference books.
10. Dr. Gracia Nirmala Rani suggested to collect the problems from the GATE question bank and to solve these problems in the tutorial hours for the course “Electromagnetic Fields”.
11. Dr. Sriram Kumar suggested to shift the reference book “Engineering Electromagnetics”, by W.H. Hayt and J.A. Buck to the list of text books for the course “Electromagnetic Fields”.
12. BOS members recommended to split the experiments of “Digital System Design” and “Electronic Devices and Circuits Laboratory” into two cycles (Hardware and Simulations) and also to include mini-project in the list of experiments.
13. The curriculum of III Semester was proposed for the approval by the Academic Council.

### **M.E. – VLSI Design:**

1. The proposed curriculum and syllabus of III Semester were presented by the HOD-ECE for the approval of BOS members.
2. The detailed syllabus of VLSI Signal Processing (Theory course) and Professional elective courses have been presented by the HOD-ECE for discussion and confirmation by the BOS members.
3. Dr. D. Nirmal proposed that any one of the PCC or PEC may be handled in collaboration with industry.
4. The BOS members suggested the following courses to be included in the list of elective courses
  - Nano Electronics
  - High Speed Integrated Circuits
  - Quantum Computing
  - Quantum Electronics
  - Machine Learning and Applications
  - Cognitive Radio
5. The BOS members suggested to reduce the total credits for M.E VLSI DESIGN.
6. The curriculum of III Semester was proposed for the approval by the Academic Council.

### **B.E. – Biomedical Engineering:**

1. The proposed curriculum and syllabus of III Semester were presented by HOD-BME for the approval of BOS members.
2. The detailed syllabus of “Human Anatomy and Physiology (Theory Cum Practical course), Sensors and Measurements (Theory course), Biomaterials (Theory course) and Electronic Devices and Circuit Analysis (Theory course)” have been presented by HOD-BME for discussion and confirmation by the BOS members.
3. The detailed syllabus of “Electronic Devices and Circuit Analysis Laboratory (Practical course) and Sensors and Measurements Laboratory (Practical course)” have been presented by the HOD-BME for discussion and confirmation by the BOS members.
4. Dr. Arunprasath suggested to include case study in the 4<sup>th</sup> unit of “Biomaterials”.
5. Dr. Arunprasath suggested to include the topic HEMT in the 3<sup>rd</sup> unit of “Electronic Devices and Circuit Analysis”.
6. The BOS members proposed to include the web resources and the link of NPTEL courses in the list of reference books.
7. Dr. Arunprasath suggested to replace the course “Transforms and Partial Differential equations” by “Random Processes and Linear Algebra (BSC)”

8. Dr. Sriram Kumar suggested to shift the book "Handbook of Biomedical Instrumentation", by Khandpur R.S, from the list of Reference books to the list of Text books for the course "Sensors and Measurements".
9. Dr. Sriram Kumar suggested to shift the book "Electrical & Electronics Measurement and Instrumentation" by A.K.Sawhney, from the list of Text books to the list of Reference books for the course "Sensors and Measurements".
10. The BOS members proposed to reduce the number of experiments for the Practical course "Sensors and Measurements Laboratory".
11. Dr.Arunprasath suggested that the courses "Pathology and Microbiology" may be included in IV semester instead of "Random Processes and Linear Algebra".
12. The curriculum of III Semester was proposed for the approval by the Academic Council.

**B.Tech. – Information Technology:**

1. The detailed syllabus of "Principles of Communication (Theory Course)" of III semester B.Tech.-IT has been presented by the HOD-ECE for discussion and confirmation by the BOS members.
2. Dr. Sriram Kumar suggested to include the topic "Introduction to PSK" instead of 8-PSK and 16-PSK.
3. He also suggested to shift the book "Modern Analog and Digital Communication systems", by B.P. Lathi from the list of references to the list of Text books.

The suggestions given by the University Nominee and the experts will be considered for inclusion in the curriculum and syllabus. The suggestions are very much useful for refining the curriculum. Finally, the meeting ended with a vote of thanks by Dr. G. Mahendran, Chairman BoS. The Chairman thanked all the members for their valuable suggestions and substantial inputs provided in the meeting.

<p style="text-align: center;"><i>Mal</i> 5/7/25</p> <p style="text-align: center;"><b>Dr. G. MAHENDRAN</b> <b>Chairman Bos</b> Professor &amp; Head Department of Electronics and Communication Engineering Syed Ammal Engineering College Ramanathapuram – 623 502</p>	<p style="text-align: center;"><i>S. Sriram</i> 5/7/2025</p> <p style="text-align: center;"><b>Dr. D. SRIRAM KUMAR</b> <b>University Nominee</b> Professor, Department of ECE, National Institute of Technology Tiruchirappalli, Tiruchirappalli-620015.</p>
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<p style="text-align: center;"><i>T. Arun</i> 5/7/25</p>	<p style="text-align: center;"><i>D. Nirmal</i></p>
<p style="text-align: center;"><b>Dr. T. ARUN PRASATH</b> <b>Subject Expert from Outside the University</b> Associate Professor (Sr.) &amp; Head Department of Biomedical Engineering Kalasalingam Academy of Research and Education, Anand Nagar, Krishnankovil-626 126.</p>	<p style="text-align: center;"><b>Dr. D. NIRMAL</b> <b>Subject Expert from Outside the University</b> Associate Dean, Engineering and Technology, Professor/ECE, Karunya Institute of Technology and Sciences Coimbatore- 641114.</p>

<p style="text-align: center;"><i>T. Anantha Selva</i></p>	<p style="text-align: center;"><i>Dr. D. Gracia</i></p>
<p style="text-align: center;"><b>Er. T. ANANTHA SELVA KUMAR</b> <b>Industry Representative</b> Senior Consultant, Wipro Pvt. Ltd., Sholinganallur, Chennai- 600 119</p>	<p style="text-align: center;"><b>Dr. D. GRACIA NIRMALA RANI</b> <b>Nominee from Meritorious Post Graduate Alumni</b> Professor, Department of ECE, Thiagarajar College of Engineering, Madurai - 625 015</p>