

Department of Electronics and Communication Engineering

Date : 29-09-2022

Minutes of the 5<sup>th</sup> Board of Studies Meeting (Hybrid Mode)

ECE Department. Kamaraj College of Engineering and Technology

held on 24-09-2022 at 10.30 A.M

MS Teams Meeting Link: <https://tinyurl.com/3j6bamuy>

Members Present:

1. Dr.T.Prathiba, M.E.,Ph.D.,  
Assistant Professor & HoD / ECE,  
Kamaraj College of Engineering and Technology, Virudhunagar.  
**Chairman of BoS - ECE**
2. Dr.E.S.Gopi, Ph.D.,  
Associate Professor, ECE,  
National Institute of Technology, Tiruchirappalli - 620015.  
**Member of BoS - Anna University Nominee**
3. Dr.D.Sriram Kumar, Ph.D.,  
Professor, ECE,  
National Institute of Technology, Tiruchirappalli - 620015.  
**Member of BoS - Academic Council Nominee**
4. Dr.A.Amalin Prince, Ph.D.,  
Associate Professor, Department of EEE,  
BITS Pilani, K.K.Birla Goa Campus, Zuarinagar, Goa - 403726.  
**Member of BoS - Academic Council Nominee**
5. Mr.M.Chinnathambi, M.E.,  
Technical Lead,  
Viasat India, Global Infocity, Module 1 & 2, 5th Floor, Block C,  
No. 40, MGR Salai, Perungudi, Chennai - 600097.  
**Member of BoS - Industrialist Nominee**
6. Dr.R.Preetha, Ph.D.,  
Assistant Professor, ECE,  
SRM Institute of Science and Technology,  
Ramapuram, Chennai - 600089.  
**Member of BoS - Alumni Nominee**

*T. Prathiba*

7. Dr.R.Suresh Babu, M.E.,M.B.A.,Ph.D.,  
Dean AcademicCourses & Professor/ECE,  
Kamaraj College of Engineering and Technology, Virudhunagar.  
**Member of BoS - Internal Faculty Member**
8. Dr.T.Pandiselvi, M.E.,Ph.D.,  
Assistant Professor/ECE,  
Kamaraj College of Engineering and Technology, Virudhunagar.  
**Member of BoS - Internal Faculty Member**
9. Dr.N.M.Mary Sindhuja, M.E.,Ph.D.,  
Assistant Professor/ECE,  
Kamaraj College of Engineering and Technology, Virudhunagar.  
**Member of BoS - Internal Faculty Member**
10. Mrs.C.Nagavani, M.E.,(Ph.D.,)  
Assistant Professor/ECE,  
Kamaraj College of Engineering and Technology, Virudhunagar.  
**Member of BoS - Internal Faculty Member**
11. Mr.R.Ashok, M.E.,(Ph.D.,)  
Assistant Professor/ECE,  
Kamaraj College of Engineering and Technology, Virudhunagar.  
**Member of BoS - Internal Faculty Member**
12. Mrs.S.Nisha Rani, M.E.,(Ph.D.,)  
Assistant Professor/ECE,  
Kamaraj College of Engineering and Technology, Virudhunagar.  
**Member of BoS - Internal Faculty Member**
13. Mr.P.Aravind, M.E.,  
Assistant Professor/ECE,  
Kamaraj College of Engineering and Technology, Virudhunagar.  
**Member of BoS - Internal Faculty Member**
14. Mrs.P.Ramalakshmi, M.E.,(Ph.D.,)  
Assistant Professor/ECE,  
Kamaraj College of Engineering and Technology, Virudhunagar.  
**Member of BoS - Internal Faculty Member**
15. Mrs.M.Stella Mercy, M.E.,(Ph.D.,)  
Assistant Professor/ECE,  
Kamaraj College of Engineering and Technology, Virudhunagar.  
**Member of BoS - Internal Faculty Member**

R.S. Babu

T.P. Selvi

M.M. Sindhuja

C. Nagavani

R. Ashok

S. Nisha Rani

P. Aravind

P. Ramalakshmi

M. Stella Mercy

16. Mr.S.Alwyn Rajiv, M.E.,(Ph.D.,)  
Assistant Professor/ECE,  
Kamaraj College of Engineering and Technology, Virudhunagar.  
**Member of BoS - Internal Faculty Member**



17. Mrs.P.Muthumari, M.E.,  
Assistant Professor/ECE,  
Kamaraj College of Engineering and Technology, Virudhunagar.  
**Member of BoS - Internal Faculty Member**



18. Mr.R.Raj Prabu, M.E.,(Ph.D.,)  
Assistant Professor/ECE,  
Kamaraj College of Engineering and Technology, Virudhunagar.  
**Member of BoS - Internal Faculty Member**



**Agenda Items, Discussions and Resolutions made:**


Item No.	Agenda items	Points discussed / resolution
1.	Welcome address	The meeting started at 10.30 A.M. in hybrid mode (Microsoft Teams platform and physical). Dr.D.Sriram Kumar, Ph.D., Mr.M.Chinnathambi, M.E., and internal faculty members have attended in physical mode. Dr.E.S.Gopi, Ph.D., Dr.A.Amalin Prince, Ph.D., Dr.R.Preetha, Ph.D., have attended through online mode. Dr.R.Suresh Babu, Professor/ECE, gave a warm cordial welcome to all the members of the Board of Studies.
2.	Overview of the Vision, Mission, PEOs and PSOs of the Department	Dr.T.Prathiba, HOD/ECE, gave a brief presentation about the Vision, Mission, PEOs and PSOs, Research & Development activities, Placement & Higher studies details of previous batches and students' major achievements of ECE department.
3.	Approval of the Minutes of the Fourth BoS	Dr.T.Prathiba, HOD/ECE requested the BoS members to approve the Minutes of the Fourth BoS. The minutes of Fourth BoS is already sent to the BoS members through the mail.
4.	Action Taken for the Previous BoS	<p>Dr.T.Prathiba, HOD/ECE explained the actions taken on the suggestions given in previous BoS. The following are the major actions taken.</p> <ul style="list-style-type: none"><li>• As per the suggestion given by Dr.R.Preetha, Ph.D., in R2021 Signals and Systems is planned in III semester and Discrete Time Signal Processing in IV semester.</li><li>• Dr.D.Sriram Kumar, Ph.D., suggested that the uniformity needs to be followed for the number of textbooks mentioned in the syllabus of all courses. It would be better if two text books are uniformly given for all the courses. With regard to Reference Books for courses, any number of books can be given. As per the suggestions given, number of text books is uniformly maintained as 2 in R2021.</li><li>• He also suggested that wherever possible, connectivity of the courses without any disjoin should be ensured. Courses are sequentially assigned as per the suggestion.</li><li>• He insisted to introduce Simulation based experiments in the lower semester lab courses itself especially in Circuits and Devices Lab course. Simulation experiments are included in Analog &amp; Digital Laboratory</li><li>• Dr.D.Sriram Kumar, Ph.D., and Dr.H.Umma Habiba, Ph.D., insisted that the total credits should be in the range around 165 and the total number of credits in R2021 is too high and</li></ul>

		needs to be reduced. As per the suggestions given, the total number of credits in R2021 is reduced to 167.
5.	Presentation of the proposed syllabi of Final Year (7 <sup>th</sup> and 8 <sup>th</sup> semester) for R2020 of UG Programme B.E. - Electronics and Communication Engineering	<p>Dr.T.Prathiba, HOD/ECE presented the proposed syllabi for Final Year R2020 of UG Programme B.E. - Electronics and Communication Engineering. The following are the presentation points.</p> <ul style="list-style-type: none"> <li>• B.E. - ECE (7th and 8th semester)</li> <li>• Professional Electives in 7th and 8th semester</li> <li>• Open Electives in 7th semester</li> </ul>
6.	Review, discussions & suggestions by Experts on Syllabi Final Year (7 <sup>th</sup> and 8 <sup>th</sup> semester) for R2020 of UG Programme B.E. - Electronics and Communication Engineering	<ol style="list-style-type: none"> <li>a. Dr.Sriram Kumar Ph.D., gave suggestions on framing Optical Communication course syllabus. He insisted to remove Unit V- Optical Networks which is a separate course. He suggested to reduce the syllabus in Unit II. He also suggested to give more number of experiments in laboratories &amp; project work.</li> <li>b. Dr.Sriram Kumar Ph.D., insisted to connect industry with guest lecture for management related courses.</li> <li>c. Dr.Sriram Kumar Ph.D., suggested to include software based experiments for Optical, Microwave and Wireless.</li> <li>d. Dr.Sriram Kumar Ph.D., implied to introduce NS3 in Advanced Communication laboratory</li> <li>e. Dr.Sriram Kumar Ph.D., insisted to remove Microwave Communication course which is suitable for PG course. He suggested to include one more text book in Multimedia Communication course.</li> <li>f. Dr.Sriram Kumar Ph.D., gave suggestion for Unit V in Wireless Networks. Since the unit titled 4G &amp; Beyond, Introduction to future Wireless Networks topic can be included which may deal with 5G/6G networks.</li> <li>g. Mr. M. Chinnathambi, M.E., insisted to include MATLAB simulation in Wireless Networks in each unit. Dr.Sriram Kumar Ph.D., suggested to include test bench also.</li> <li>h. Dr.Sriram Kumar Ph.D., insisted that Intellectual Property Rights course may be included in management courses.</li> <li>i. Dr.Sriram Kumar Ph.D., insisted to recheck the content of Advanced Wireless Communication. Also, in Cryptography course, include 2 units on steganography and change the title of the course as Cryptography &amp; Steganography.</li> <li>j. Mr. M. Chinnathambi, M.E., insisted to include topics RSA, EEC, open SSL algorithm in Cryptography course.</li> <li>k. Dr.Sriram Kumar Ph.D., suggested to include SDMA in</li> </ol>

		<p>Satellite Communication. He also insisted to include applications in V unit of all the courses. He implied to change the title of the course Biomedical Electronics into Biomedical Engineering. He also insisted to combine the Basics of MEMS and NEMS course and BioMEMS course as a single course.</p> <p>l. He insisted to remove the course Photonic Networks from open elective courses. Instead of that Electronic Packaging may be included and arrange industry people to teach Electronic Packaging course.</p> <p>m. Dr.E.S.Gopi, Ph.D., suggested to include prerequisites for open elective courses in Unit I if it is not mentioned.</p> <p>n. Dr.E.S.Gopi, Ph.D., asked for how the number of hours is fixed for Embedded &amp; Real Time System (75 hours) – HoD/ECE explained that Embedded &amp; Real Time System is a theory cum lab subject with 4 credit. Hence 3 lecture hours (3 credit) and 2 lab hours (1 credit) is allotted.</p>
7.	<p>Presentation of the proposed curriculum R2021 of UG Programme B.E. - Electronics and Communication Engineering from semester 1 to semester 8 and syllabus for 4<sup>th</sup> semester.</p>	<p>Dr.T.Prathiba, HOD/ECE presented the proposed curriculum for R2021 of UG Programme B.E. - Electronics and Communication Engineering from semester 1 to semester 8 and syllabus for 4<sup>th</sup> semester. The following are the presentation points.</p> <ul style="list-style-type: none"> <li>• B.E.-ECE (Curriculum for semester 1 to semester 8)</li> <li>• Professional Elective Courses-Verticals</li> <li>• Open Electives &amp; Audit Courses</li> <li>• 4<sup>th</sup> Semester Syllabus</li> </ul>
8.	<p>Review, Discussions and Suggestions by Experts on UG Programme B.E. - Electronics and Communication Engineering R2021 Curriculum for semester 1 to semester 8 and syllabus for 4<sup>th</sup> semester.</p>	<p>a. Dr.E.S.Gopi, Ph.D., asked how the courses are collected and arranged in Professional Elective Courses - Verticals in R2021.</p> <p>b. Dr.E.S.Gopi, Ph.D., insisted to include online courses in R2021.</p>

9.	Presentation of the proposed Special Elective Courses for Ph.D Programme	Dr.T.Prathiba, HOD/ECE presented the proposed Special Elective Courses for Ph.D Programme
10.	Review, Discussions and Suggestions by Experts on Special Elective Courses for Ph.D Programme	Special Elective Courses for Ph.D Programme is approved by the BoS members.
11.	To fix the date for the NextBoS Meet (ECE Board)	It is suggested to conduct Next BoS Meeting (ECE Board) in the month of March 2022.
12.	Vote of Thanks	The meeting ended with the Vote of Thanks by Dr.T.Prathiba, Ph.D., Head, Department of ECE, Kamaraj College of Engineering and Technology, Virudhunagar.

  
 (Mrs.S.Nisha Ranj)  
 BoS Coordinator - ECE

  
 (Dr. T.Prathiba)  
 BoS Chairman - ECE