

S.A.ENGINEERING COLLEGE, CHENNAI-600 077
(An Autonomous Institution, Affiliated to Anna University)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

BOARD OF STUDIES MEETING

Academic Year : 2021-22
Date: 8.11.21

Time: 10.00 AM
Venue: Google meet

AGENDA

Welcome Address	Dr.G.KAVYA M.E., Ph.D Professor, Dept, of ECE, S.A. Engg. College, Chennai -77.
Introduction of Members – External & Internal	By the Members
Presentation of Regulation 2020, Syllabus and Curriculum for B.E (ECE) Sem I/II/III/IV	Dr.G.KAVYA M.E., Ph.D Professor & Head, Dept. of ECE, S.A. Engg. College, Chennai -77.
Discussion on Offering Certificate Courses	By the Members
General Discussion	By the Members
Vote of Thanks	Dr.N.ANUSHA M.E., Ph.D Professor, Dept, of ECE, S.A. Engg. College, Chennai -77.

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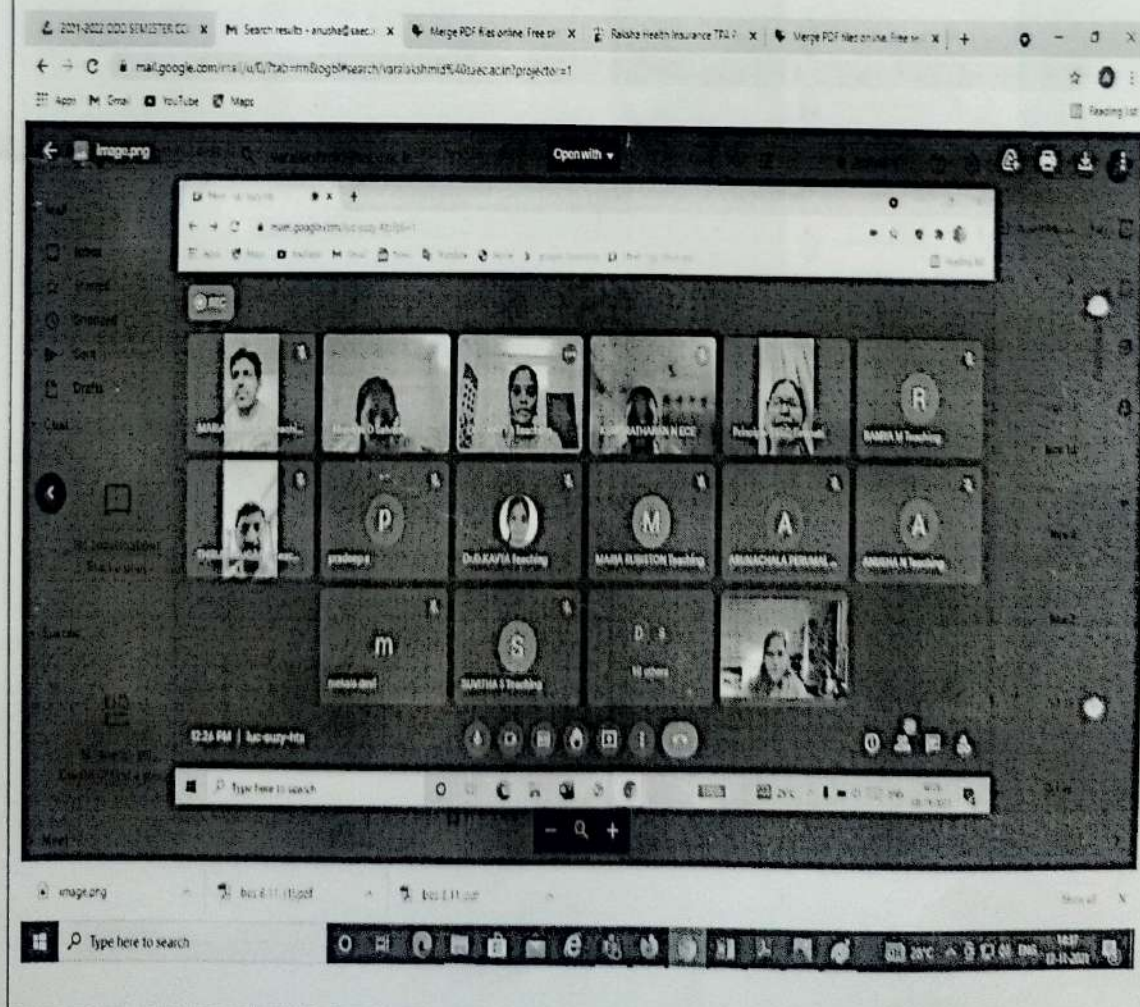
MINUTES OF BOARD OF STUDIES MEETING

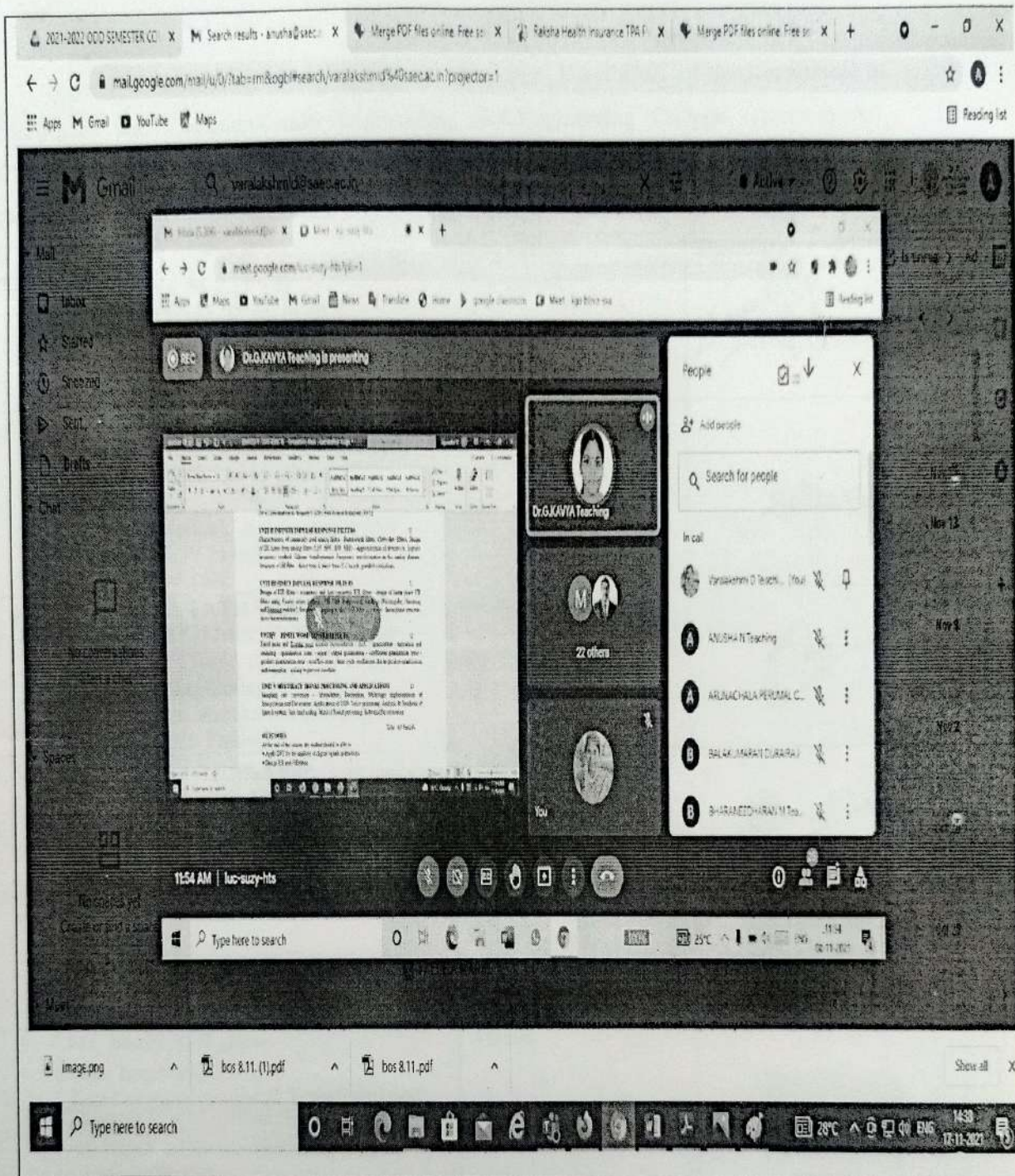
S.A.Engineering College, Chennai conducted the Board of Studies meeting for **B.E ELECTRONICS AND COMMUNICATION ENGINEERING** –as per the guidelines of UGC on **8.11.2021** at **10 AM** via the **Google link** given below

To join the video meeting, click this link:
<https://meet.google.com/iuc-suzy-hts>

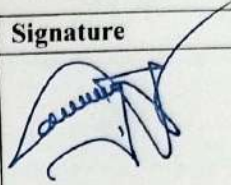
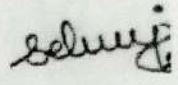
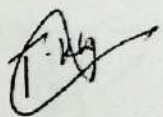
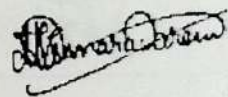

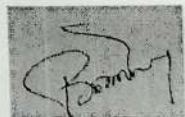
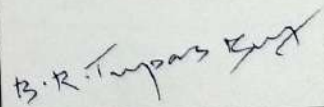

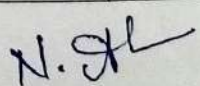
To join by phone instead, dial (US) +1 240-419-6790 and enter this PIN: 866 459 724#

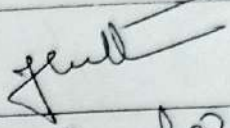
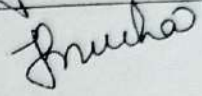

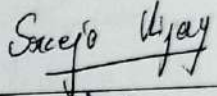
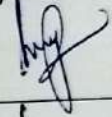
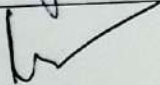
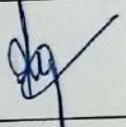
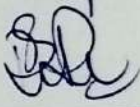
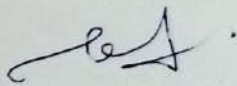
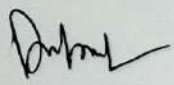
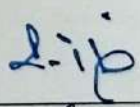
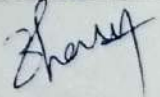

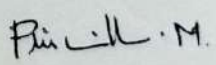
Kindly join BoS tomorrow at 11 am through this link

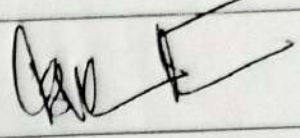
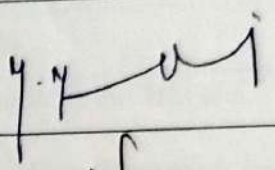
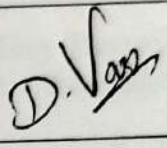
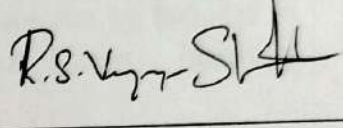




The UG curriculum, Semester IV and Semester V syllabus of the Department of Electronics and Communication Engineering, S.A.Engineering College (Autonomous), Chennai for 2020-2021 admission onwards, has been ratified by the Board of Studies of ECE Department which met on 08/11/2012 via Google meet in Online mode

S.No.	Name	Designation	Signature
1.	Dr.G.KAVYA M.E., Ph.D Professor & Head, Dept. of ECE, S.A. Engg. College, Chennai -77	Chairperson	
2.	Dr. M.D.Selvaraj Ph.D. (IIT Delhi) Dean (Sponsored Research & Industrial Consultancy, Continuing Education) IIITDM Kancheepuram (Institute of National Importance under MHRD, Govt. of India)	Subject Expert	
3.	Dr.T.KALPA LATHA REDDY ME, Ph.D, LMIETE, LMISTE, <i>Principal &</i> <i>Professor,</i> S V Engineering College For Women, Anantapuramu. Karakambadi Road, Tirupati, Andhra Pradesh.	Subject Expert	
4.	Dr.N.Kumarathan, Ph.D Professor, Department of ECE Sri Venkateswara College of Engineering(Autonomous) Chennai, 602 117	University Nominee	
5.	Mr.A.Senthil Director Eaglesight Measurement Technologies Private Limited Kovilpatti, Tuticorin, Tamilnadu.	Representative from Industry	
6.	Mr. Boney Verghese Fiber Engineer, Tata Communications & Transformation Services, Sai Nagar, Ambattur Industrial Estate, Chennai 600 058	Alumni	
7.	Dr B R Tapas Babu Professor, Dept. of ECE, S.A. Engg. College, Chennai -77	Member	
8.	Dr C Arunachalaperumal Professor, Dept. of ECE, S.A. Engg. College, Chennai -77	Member	
9.	Dr N Anusha Professor, Dept. of ECE, S.A. Engg. College, Chennai -77	Member	

10.	Dr.S.Suvitha Associate Professor, Dept. of ECE,SAEC	Member	
11.	Ms. B.Menaka Associate Professor Dept. of ECE,SAEC	Member	
12.	Ms. K.M.Dhanalakshmi Associate Professor Dept. of ECE,SAEC	Member	
13.	Ms. Sreeja Vijay Associate Professor Dept. of ECE,SAEC	Member	
14.	Mr. S.Pradeep Associate Professor Dept. of ECE,SAEC	Member	
15.	Ms. M.Ramya Assistant Professor, Dept. of ECE,SAEC	Member	
16.	Ms. R.Ashwini Assistant Professor, Dept. of ECE,SAEC	Member	
17.	Ms. P.Sasirekha Assistant Professor, Dept. of ECE,SAEC	Member	
18.	Ms. K.Mekala Devi Assistant Professor, Dept. of ECE,SAEC	Member	
19.	Mr. D.Prakash Assistant Professor, Dept. of ECE,SAEC	Member	
20.	Mr. R.Thirumurugan Assistant Professor, Dept. of ECE,SAEC	Member	
21.	Mr.M.Bharanreedharan Assistant Professor, Dept. of ECE,SAEC	Member	
22.	Mr.D.Balakumaran Assistant Professor, Dept. of ECE,SAEC	Member	
23.	Ms.M.Priscilla Assistant Professor, Dept. of ECE,SAEC	Member	

24.	Ms.T.S.Valarmathi Assistant Professor, Dept. of ECE,SAEC	Member	
25.	Mr.M.Maria Rubiston Assistant Professor, Dept. of ECE,SAEC	Member	
26.	Ms.D.Varalakshmi Assistant Professor, Dept. of ECE,SAEC	Member	
27.	Ms.Vijayashanthi Assistant Professor, Dept. of ECE,SAEC	Member	

- **Dr.G.Kavya M.E., Ph.D, Professor& Head , Dept. of ECE, S.A. Engg. College, Chennai -77 welcomed all the members for the Department of ECE Board of Studies meeting held on 08/11/2021 at 10.00 am.**

The Meeting proceeded to the matters as in Agenda

S.No.	POINTS DISCUSSED & DESCRIPTION
1.	<p>Dr.G.Kavya, Chairperson welcomed the members and proceeded with the 4th and 5th Semester UG curriculum presentation.</p> <p>Dr.G.Kavya informed Universal Human Values: Understanding Harmony has been included as 6th Subject in semester 4 as a 3 credit course as per the guidelines of AICTE.</p>
2.	<p>Dr.T.Kalpalatha Reddy suggested that Interdisciplinary electives can be included in open elective list such as Android programming, Internet of Things , Industrial IoT, Industry 4.0, Smart Manufacturing</p> <p>Dr.M.D.Selvaraj suggested Machine Learning , Artificial Intelligence can also be included as open electives</p>
3.	<p>Dr.M.D.Selvaraj clarified that Professional Electives are supportive subjects where as additional subjects such as Machine learning, Artificial Intelligence etc can be treated as open Electives</p>
4.	<p>Dr.T.Kalpalatha Reddy suggested that Indian constitution can be included as a 3 credit course</p> <p>Dr.G.Kavya clarified that Indian Constitution is included in first semester as a no credit course</p> <p>It was suggested by expert members that subjects improving students thinking ability should be included in the curriculum</p>
5.	<p>Dr.M.D.Selvaraj suggested all faculty irrespective of their cadre should undergo training,</p> <p>He further informed there are many FDPs conducted by ATAL and all faculty must participate to improve their knowledge.</p>
6.	<p>Dr.N.Kumaratharan informed that there should not be any limitation to students on choosing elective subjects,</p> <p>He further suggested that the number of electives offered can be increased.</p> <p>He further added that all electives can be given in a single stream or single bucket which enables the students</p> <p>Dr.G.Kavya clarified that few elective subjects need to have a pre requisite based on it the electives are finalized.</p> <p>Dr.N.Kumaratharan informed atleast Open Elective can be kept as one bucket so that students can opt their interested subjects</p>
7.	<p>Dr.N.Kumaratharan suggested that students can be eligible for credits transfer by earning their credits alternatively through online courses and utilize the same duration for attending internship/Inplant training.</p>
8.	<p>Dr.T.Kalpalatha Reddy proposed that Students can be provided Value added courses</p>

	<p>with global certification which can improve their needs for employability ,</p> <p>Certification courses on Programming languages such as DBMS, Operating Systems can be also be provided which can be added up in their CVs</p> <p>Students should also be motivated to attend Hacking competitions ,Code vita which can gain higher packages for them</p>
9.	Dr.T.Kalpalatha Reddy asked whether Medical Physics is mandatory in Elective list Dr.G.Kavya replied that this subject serves as a prerequisite subject for students interested to work in Biomedical engineering field
10.	All Open Electives to start with code OE for ease of identification
11.	4 or 5 electives can be included from other departments
12.	Dr.M.D.Selvaraj asked regarding the status of Incubation centres in SAEC. Dr.G.Kavya replied regarding the availability of incubation centres
13.	<p>Discussion moved on to the subject topics</p> <p>Communication Systems: Delta Modulation to added in Communication systems It was asked whether SuperHeterodyne receiver is included in syllabus, Dr.G.Kavya clarified its already included in Unit 1</p> <p>Digital Signal Processing: Architecture of DSP to be included in Unit 5</p> <p>Microprocessor & Microcontroller: Microcontrollers used in Industry to be included ,PIC 32 or STEM 32 can be included</p> <p>Wave Guides & Antenna Theory: Dr.Kavya informed that Wave guides and Antenna are combined together ,Subjects for placement can be included</p> <p>Communication Systems Lab: Experiment on AWGN to be added either in Communication System using Simulink or Matlab</p>
14.	<p>Dr.M.D.Selvaraj suggested that Internet of Things can be given instead of Industrial Robotics and 30 students should opt</p> <p>Dr.T.Kalpalatha Reddy informed how basics is only sufficient for students opting or interested in Medical electronics</p>
15.	<p>Intellectual Property Rights IPR can be given as a non-credit course</p> <p>Recent subjects such as Vehicle Infotainment& Electric Vehicle , 5G,Cooperative Communication to be provided for students</p>
16.	Wireless Sensor Networks can be reframed as Elective
17.	<p>All Professional Elective Subjects are modified as follows & Dr.G.Kavya listed the changes that is to be incorporated</p> <ul style="list-style-type: none"> • Medical Electronics - Syllabus to be Reframed • Industrial Robotics to be changed as Internet of Things • Intellectual Property rights to be changed as Vehicle Infotainment & Electric Vehicle • Advanced Digital System Design to remain as it is
18	Finally Dr.Kavya thanked the members for their valuable suggestions given

CHAIRPERSON

Dr. G. Kavya, M.E., Ph.D.

Professor & Head,

Department of Electronics & Communication Engg.,

S.A. Engineering College,

Chennai - 600 077.