

**SREE VIDYANIKETHAN ENGINEERING COLLEGE**  
(Autonomous)  
Sree Sainath Nagar, A. Rangampet-517 102

**Convening 12<sup>th</sup> Meeting of Board of Studies for  
B. Tech. in Electronics and Communication Engineering**

As Chairman of Board of Studies for B. Tech. in ECE, I convene 12<sup>th</sup> meeting.

**Date & Time:** 09.01.2021 @ 11:45 AM

**Online video conferencing link :** Join Zoom Meeting

<https://zoom.us/j/9769083542?pwd=aXJhbGZGU3FnOW13RnlUOFVEeEQ1UT09>


**Meeting ID:** 9769083542

**Passcode:** 54321

**Agenda :**

1. Action taken report on minutes/ resolutions of 11<sup>th</sup> BOS meeting.
2. Course Structure for I B.Tech (I & II Semesters) of Electronics and Communication Engineering under SVEC-20 Curriculum.
3. Any Other item.

All the members of Board of Studies are requested to attend the meeting and give valuable suggestions.

  
**Dr. D. Leela Rani**  
Chairperson, BOS (ECE)

Cc:

1.	Dr. V. Sumalatha, Professor of ECE & Director (Industrial Relations and Placements), JNT University Anantapur, ANANTAPURAMU – 515002
2.	Dr. G. Sasi Bhushana Rao, Professor & Head, Dept. of ECE, AU College of Engineering (Autonomous), Waltair Junction, VISAKHAPATNAM – 530 003.
3.	Dr. P. Sreehari Rao, Associate Professor of ECE, National Institute of Technology, Warangal-506004
4.	Dr. Srinath Settur, Head, Transfer of Technology, Centre for Development of Telematics (C-DOT), Electronic City, Phase-I, Hosur Road, BENGALURU – 560 100
5.	Mr. P. Veerendra Reddy, Senior Lead Engineer, Qualcomm Technology India PVT LTD, Bagmane Carina Building, Next to Samsung, Bagmane world Technology centre, Doddanekundi, Bengaluru -560048, Karnataka
6.	Dr. P. Venkata Ramana, Dean (Academics) & Professor, Dept. of ECE, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.
7.	Dr. N. Gireesh, Professor & Head, Dept. of ECE, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.
8.	Dr. V. R. Anitha, Professor, Dept. of ECE, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.
9.	Dr. N. Padmaja, Professor, Dept. of ECE, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.
10.	Mr. K. S. Chakradhar, Associate Professor, Dept. of ECE, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.
11.	Dr. P. Geetha, Associate Professor, Dept. of ECE, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.
12.	Dr. B. Senthil Kumar, Associate Professor, Dept. of ECE, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.
13.	Dr. V. V. Satyanarayana Tallapragada, Associate Professor, Dept. of ECE, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.
14.	Dr. N. Ashok Kumar, Associate Professor, Dept. of ECE, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.
15.	Dr. TVS Gowtham Prasad, Associate Professor, Dept. of ECE, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.
16.	Mr. R. Nagendra, Assistant Professor (SL), Dept. of ECE, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati
17.	Mr. P. Madhu Kumar, Assistant Professor (SL), Dept. of ECE, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.
18.	Ms. K. Neelima, Assistant Professor, Dept. of ECE, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.
19.	Ms. M. Bharathi, Assistant Professor, Dept. of ECE, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.



# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(AUTONOMOUS)

SREE SAINATH NAGAR, A. RANGAMPET-517 102

## **Agenda for 12<sup>th</sup> Meeting of Board of Studies for B. Tech. (Electronics and Communication Engineering) on 09.01.2021 at 11:45 AM**

1. Action taken report on minutes/ resolutions of 11<sup>th</sup> BOS meeting.
2. **Course Structure for I B.Tech (I & II Semesters) of Electronics and Communication Engineering under SVEC-20 Curriculum.**
3. Any Other item.

A handwritten signature in blue ink, appearing to read 'Deelakeri'.

**Dr. D. Leela Rani**  
Chairperson, BOS (ECE)

# **SREE VIDYANIKETHAN ENGINEERING COLLEGE** (Autonomous)

Sree Sainath Nagar, A. Rangampet-517 102

## **Department of Electronics & Communication Engineering**

### **Board of Studies for B. Tech. in Electronics and Communication Engineering** **12<sup>th</sup> Meeting held on 09<sup>th</sup> January 2021 @ 11:45 AM**

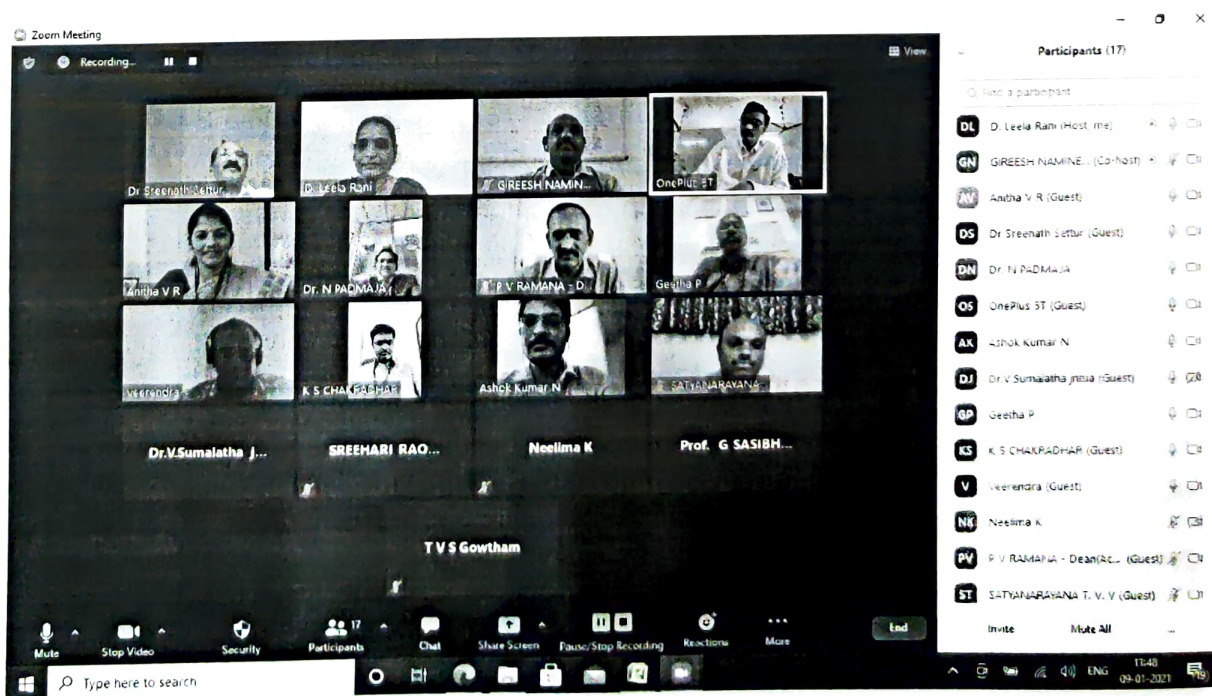
#### **Members Present:**

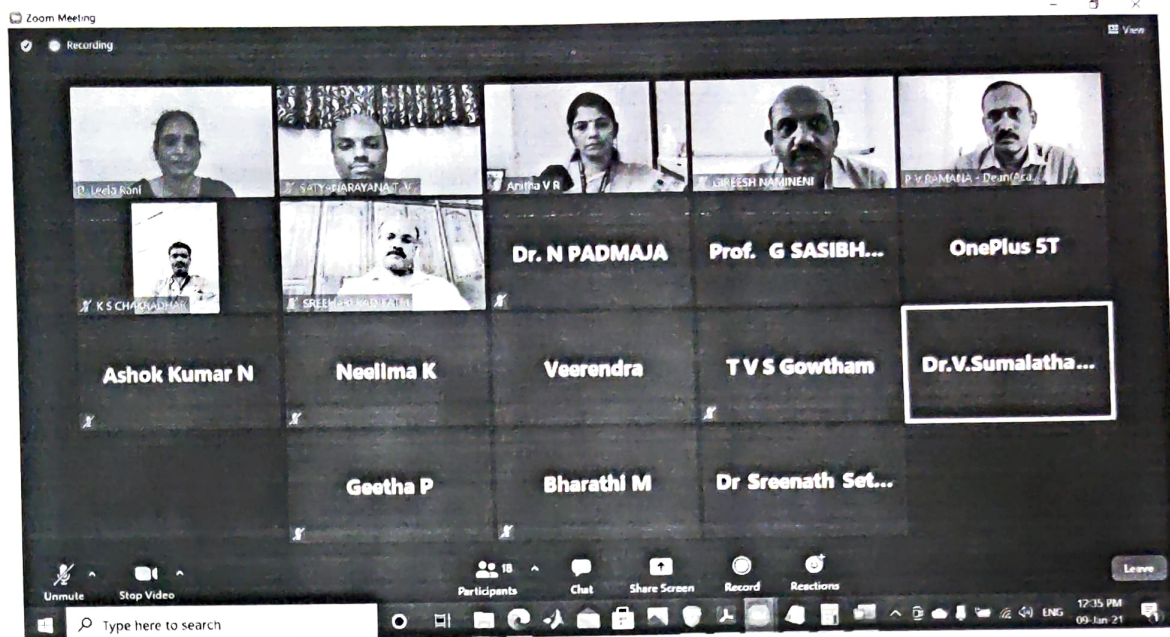
<b>S. No.</b>	<b>Name and Address of the member</b>	<b>Member Type</b>
1.	<b>Dr. D. Leela Rani</b> Professor & Chairperson BoS Dept. of ECE. Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.	Chairperson
2.	<b>Dr. V. Sumalatha</b> Professor of ECE & Director (Industrial Relations and Placements), JNT University Anantapur, ANANTAPURAMU – 515002	External
3.	<b>Prof. G. Sasi Bhushana Rao</b> Senior Professor, Dept. of ECE, Andhra University College of Engineering, VISAKHAPATNAM – 530 003	External
4.	<b>Dr. P. Sreehari Rao</b> Associate Professor of ECE National Institute of Technology, WARANGAL-506004	External
5.	<b>Dr. Srinath Settur</b> Head, Transfer of Technology, Centre for Development of Telematics (C-DOT) Electronic City, Phase-I, Hosur Road, BENGALURU – 560 100	External
6.	<b>Mr. P. Veerendra Reddy</b> Senior Staff Design Engineer Ampere computing LLC, Kadubeesanahalli, BENGALURU -560103	External
7.	<b>Dr. P. Venkata Ramana</b> Dean (Academics) & Professor, Dept.of ECE. Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.	Internal
8.	<b>Dr. N. Gireesh</b> Professor & Head, Dept.of ECE. Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.	Internal
9.	<b>Dr. V. R. Anitha</b> Professor, Dept. of ECE. Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.	Internal
10.	<b>Dr. N. Padmaja</b> Professor, Dept. of ECE. Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.	Internal



11.	<b>Mr. K. S. Chakradhar</b> Associate Professor, Dept. of ECE. Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.	Internal
12.	<b>Dr. P. Geetha</b> Associate Professor, Dept. of ECE. Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.	Internal
13.	<b>Dr. V. V. Satyanarayana Tallapragada</b> Associate Professor, Dept. of ECE. Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.	Internal
14.	<b>Dr. N. Ashok Kumar</b> Associate Professor, Dept. of ECE. Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.	Internal
15.	<b>Dr. TVS Gowtham Prasad</b> Associate Professor, Dept. of ECE. Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.	Internal
16.	<b>Mr. R. Nagendra</b> Assistant Professor (SL), Dept. of ECE. Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.	Internal
17.	<b>Ms. K. Neelima</b> Assistant Professor, Dept. of ECE. Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.	Internal
18.	<b>Ms. M. Bharathi</b> Assistant Professor, Dept. of ECE. Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.	Internal

12<sup>th</sup> Meeting of Board of Studies of Electronics and Communication Engineering (ECE) was conducted **through online video conferencing** using ZOOM platform on 09.01.2021. The screenshots taken during the meeting are shown below:





## Minutes:

### 1. Action Taken Report on minutes of 11<sup>th</sup> BOS meeting held on 11<sup>th</sup> July 2020

The Chairperson BOS appraised the members the action taken on the minutes/resolutions of 11<sup>th</sup> BOS meeting held on 11th July 2020. After deliberations the members ratified the report and the same is placed at **Annexure – I**.

### 2. **Course Structure for I B.Tech (I & II Semesters) of Electronics and Communication Engineering under SVEC-20 Curriculum.**

The chairperson BOS presented the proposed SVEC-20 Course Structure of ECE with reference to the curriculum prepared by APSCHE. The guidelines given by APSCHE were strictly followed and the credits distribution across courses under various categories was made exactly same as that of the course structure proposed by APSCHE.

The External members have suggested to introduce Basic Civil and Mechanical Engineering course in place of Digital Logic Design course. The members also have suggested to add RTL concepts in Digital Logic Design course and strengthen it as, it is the core course. Further, they suggested moving this course to second year.

After deliberations and discussions, the members have ratified the Course Structure and the same is placed at **Annexure-II**. It is resolved to authorize the Chairperson BOS to adapt the improvements suggested and submit to the Chairman (Academic council) for further processing.

### 3. Any other item

Dr.P.V.Ramana, Dean (Academics) and Dr. N.Gireesh, Professor and HOD appraised the members that a very good number of students were placed during this academic year. The members have appreciated that the student's intake in the department is very good.

Meeting concluded with thanks to the Chair.

  
Chairperson, BoS in ECE



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**Department of Electronics and Communication Engineering**

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**Action Taken Report on minutes/ resolutions of  
11th BOS meeting**

**1. Academic Calendars**

**Resolution:** The admission dates were not finalized for I B. Tech. classes during the academic year 2019-20. Due to Covid-19 pandemic, it was resolved to empower the Chairman, Academic Council to prepare the Academic calendar pertaining to I, II, III and IV B.Tech. program for the academic year 2020-21, in accordance with the A. P. State Government/APSCH/JNTUA, Ananthapuramu directives.

**Action Taken:** As authorized, the academic calendar pertaining to I, II, III and IV B.Tech. program for the academic year 2020-21 was prepared and was implemented successfully.

**2. Vision & Mission of the Department, PEOs, POs & PSOs for B.Tech.(ECE) Program**

**Resolution:** It was resolved to authorize the Chairperson BOS to adapt certain changes suggested in the Program Specific Outcomes and submit the same to the Chairman (Academic Council) for further processing.

**Action Taken:** As authorized, the Chairperson BOS has adapted the changes suggested in the Program Specific Outcomes and got approved by the Chairman (Academic Council) in Academic Council meeting.

**3. Administrative Setup for B.Tech Program**

**Resolution:** It was resolved to authorize the Chairperson BOS to adapt the administrative setup presented in the meeting for curriculum development and implementation of SVEC19 – B. Tech. Program and submit the same to the Chairman (Academic Council) for further processing.

**Action Taken:** As authorized, the Chairperson BOS has adapted the administrative setup presented and got approved by the Chairman (Academic Council) in Academic Council meeting.

**4. Course structure, Syllabi with Course Objectives, Course Outcomes, Lesson Plans and Model Question Papers for the Courses of II B. Tech (Under SVEC-19)**

**Resolution:** It is resolved to authorize the Chairman BOS to make suggested improvements in the course structure, syllabi, lesson plans and Model Question Papers and submit the same to the Chairman (Academic Council) for further processing.

**Action Taken:** As authorized, the Chairman BOS has adapted all the improvements suggested in the course structure, syllabi, lesson plans and Model Question Papers and got approved by the Chairman (Academic Council) in Academic Council meeting.

## **5. Panel of Examiners for Question paper setting for II B.Tech courses (Under SVEC-19)**

**Resolution:** It was resolved to authorize the Chairperson BOS to adapt the Panel of Examiners presented in the meeting and submit the same to the Chairman (Academic Council) for further processing.

**Action Taken:** As authorized, the Chairperson BOS has adapted the Panel of Examiners presented and got approved by the Chairman (Academic Council) in Academic Council meeting.

## **6. Amendments to SVEC-19 B.Tech Academic Regulations**

**Resolution:** It was resolved to authorize the Chairperson BOS to adapt the amendments proposed in the meeting by following the University guidelines in case of challenging Evaluation and Re-Registration for Improvement of Internal marks and submit the same to the Chairman (Academic Council) for further processing.

**Action Taken:** As authorized, the Chairperson BOS amendments has adapted the amendments ratified in the meeting and got approved by the Chairman (Academic Council) in Academic Council meeting.

## **7. Activities of the Department**

**Suggestions:** The External members suggested that the faculty members should continuously improve their teaching skills, communication skills, body language, board management etc., and also advised to use ICT techniques for teaching.

**Action Taken:** The efforts in the direction of the suggestions are intensified. Faculty members handled theory and laboratory courses in online mode through Zoom during covid-19 pandemic in the second semester

**Suggestion:** The External members suggested that in laboratory courses, the simulated results can be verified with Hardware results and faculty should be trained to utilize Virtual Labs of AICTE model curriculum.

**Action Taken:** Senior faculty trained all the other faculty members and each experiment was validated in all the laboratory courses during training process. Faculty members handled laboratory courses in online mode during covid-19 pandemic in the second semester Virtual Labs were utilized.

**Suggestion:** The members suggested to motivate more and more faculty members to publish papers in SCI -indexed and other reputed journals.

**Action Taken:** The efforts in the direction of the suggestions are intensified. The faculty members are encouraged by management and are being given incentives for publication in SCI/SCIE/ESCI -indexed, SCOPUS, Web of Science Journals, UGC, Journals with good impact factor and other reputed journals. A total number of 127 papers were published in various journals and conferences.

**Suggestion:** The members further suggested that more orientation to faculty members towards thrust areas is required through STTPs, FDPs, Workshops and also suggested to encourage interdisciplinary research.

**Action Taken:** A total of seventeen programs were organized by the department during the academic year 2019-'20.



**Suggestion:** The members suggested to improve oral communication skills of the students by arranging seminars for better placement opportunities. Placements in core companies are suggested.

**Action Taken:** Training activities were arranged by Placement Cell

**Suggestion:** The members have suggested to work for six years of accreditation next time. The feedback from the committee has to be followed for further improvement. The Chairperson BOS assured the members that the efforts in this direction will be intensified.

**Action Taken:** The efforts in the direction of the suggestions are intensified.

**Suggestion:** The members further suggested to prepare scheme of evaluation at the time of setting question paper itself so that the faculty members will have full clarity on question paper and proper valuation of the answer script is ensured.

**Action Taken:** The efforts in the direction of the suggestions are intensified.



**Chairperson, BoS in ECE**

## Course Structure


### Electronics and Communication Engineering (ECE)

#### I B.Tech. – I Semester

Sl. No.	Subject Code	Course Title	Contact Periods per week				C	Scheme of Examination Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	20BT1BS01	Differential Equations and Multivariable Calculus	3	-	-	3	3	30	70	100
2.	20BT1BS03	Engineering Physics	3	-	-	3	3	30	70	100
3.	20BT10201	Basic Electrical and Electronics Engineering	3	-	-	3	3	30	70	100
4.	20BT10501	Digital Logic Design	3	-	-	3	3	30	70	100
5.	20BT1BS32	Engineering Physics Lab	-	-	3	3	1.5	30	70	100
6.	20BT10231	Basic Electrical and Electronics Engineering Lab	-	-	3	3	1.5	30	70	100
7.	20BT10331	Computer Aided Engineering Drawing	-	1	4	5	3	30	70	100
8.	20BT10332	Engineering Workshop	-	-	3	3	1.5	30	70	100
9.	20BT1HSAC	Spoken English (Audit Course)	2	-	-	2	-	-	-	-
<b>Total:</b>			<b>14</b>	<b>1</b>	<b>13</b>	<b>28</b>	<b>19.5</b>	<b>240</b>	<b>560</b>	<b>800</b>

#### I B.Tech. – II Semester

Sl. No.	Subject Code	Course Title	Contact Periods per week				C	Scheme of Examination Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	20BT2BS01	Transformation Techniques and Linear Algebra	3	-	-	3	3	30	70	100
2.	20BT1BS02	Engineering Chemistry	3	-	-	3	3	30	70	100
3.	20BT1HS01	Communicative English	3	-	-	3	3	30	70	100
4.	20BT20241	Network Analysis	3	-	-	3	3	30	70	100
5.	20BT20541	Programming in C and Data Structures	3	-	-	3	3	30	70	100
6.	20BT1BS31	Engineering Chemistry Lab	-	-	3	3	1.5	30	70	100
7.	20BT1HS31	Communicative English Lab	-	-	3	3	1.5	30	70	100
8.	20BT20551	Programming in C and Data Structures Lab	-	-	3	3	1.5	30	70	100
9.	20BT1MC01	Universal Human Values (Mandatory Course)	2	-	-	2	-	30	-	30
<b>Total:</b>			<b>17</b>	<b>-</b>	<b>09</b>	<b>26</b>	<b>19.5</b>	<b>270</b>	<b>560</b>	<b>830</b>

  
 (Dr. D. Leela Rani)  
 Chairperson, BOS (ECE)