



## DEPARTMENT OF ELECTRONICS AND COMMUNICATION

### BOS MEETING 2020-21

The BOS meeting was held on 27.05.2020, Wednesday, 10.30am at ECE department, SSIT-Tumkur. The following members attended the meeting to discuss the following agenda.

#### A. UG Program:

1. Syllabus of 5<sup>th</sup> and 6<sup>th</sup> Semester Subjects for 2018 batch (3<sup>rd</sup> Year BE)
2. Scheme and Structure of 7<sup>th</sup> and 8<sup>th</sup> Semester for 2018 batch (4<sup>th</sup> Year BE)
3. Basic Electronics syllabus for 2020 batch (First year BE)

#### B. PG Program:

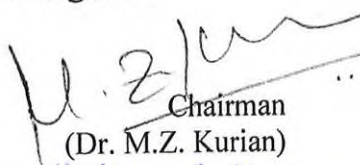
1. Scheme and Syllabus for M.Tech in VES (VLSI and Embedded system Design)
2. Scheme and Syllabus for M.Tech in DE (Digital Electronics)

#### *Internal Members Present:*

- |                             |          |
|-----------------------------|----------|
| 1. Dr. M.Z. Kurian          | Chairman |
| 2. Dr. M.N.Eshwarappa       | Member   |
| 3. Dr. M. Suresh            | Member   |
| 4. Dr. M.C. Chandrashekhar  | Member   |
| 5. Mrs. DivyaPrabha         | Member   |
| 6. Dr. C.B.Vinutha          | Member   |
| 7. Dr. M.D Anithadevi       | Member   |
| 8. Dr. T.D.Sunil            | Member   |
| 9. Dr. M.V.Chidanandamurthy | Member   |

#### *External Members Present:*

- |                            |                                         |
|----------------------------|-----------------------------------------|
| 1. Dr. K.V. Suresh         | Professor, Dept. of ECE, SIT-Tumkur     |
| 2. Dr. R. Sreekantaswamy   | Professor, dept. of ECE, SIT-Tumkur     |
| 3. Dr. G Sadashivappa      | Professor, Dept. of ETC, RVCE-Bangalore |
| 4. Dr. K.C.Narasimhamurthy | Professor, ETC, SIT-Tumkur              |
| 5. Dr. Sundar S            | Manager, Samsung India Bangalore        |

  
Chairman  
(Dr. M.Z. Kurian)  
Professor & Head  
Dept. of Electronics Engg  
S.S.I.T., Tumkur.



# Sri Siddhartha Institute of Technology

(A Constituent college of Sri Siddhartha Academy of Higher Education , Tumkur)  
MaralurTumkur – 572 105.

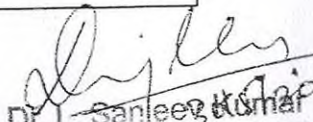
## BOS MEETING

Details of resolutions taken in Board of studies meeting for the year 2020-21.  
(Connected with academics only)

Department: Electrical and Electronics Engineering

Date: 30-05-2020

Sl No	Particulars	Decision Taken	Resolution Number
1	Approval of the Programme outcomes (revised), As per NBA norms for 2020 onwards.	Approved	SSIT/EEE/BoS/2020-21/01
2	Approval of the Scheme and syllabus for 1 year for 2020scheme, Academic year 2020-21.	Approved with minor changes	SSIT/EEE/BoS/2020-21/02
3	Approval of the Scheme and syllabus for 2 <sup>nd</sup> year for 2018 Scheme, Academic year 2020-21.	Approved with minor changes	SSIT/EEE/BoS/2020-21/03
4	Approval of the Scheme and syllabus for 3 <sup>rd</sup> year for 2018 Scheme, Academic year 2020-21.	Approved with minor changes	SSIT/EEE/BoS/2020-21/04
5	Approval of the Scheme for 4 <sup>th</sup> year for 2018 Scheme Academic year 2020-21.	Approved with minor changes	SSIT/EEE/BoS/2020-21/05
6	An Equivalent subjects of 2016 scheme to 2018 scheme for Academic year 2020-21.	APPROVED	SSIT/EEE/BoS/2020-21/06

  
Capt. Dr. L. Sanjeev Kumar  
Professor & Head, Department of EE & E,  
Sri Siddhartha Institute of Technology  
Chairman BOS  
Maralur Tumkur - 572 105



SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMAKURU  
(A Constituent College of Sri Siddhartha Academy of Higher Education)  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION**



**BOS MEETING 2020-21**

The chairman extended the warm welcome to all the members present and briefed about the agenda to be taken up for discussion. In this context, after a detailed discussion, the following resolutions were made:

**A. Minutes of Meeting (UG Program):**

BOS members appreciated the Core subjects, Integrated Courses and Professional Elective Subjects at third year UG level, these subjects helps the students in great extent.

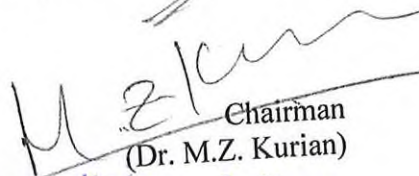
- a. The core subject **Information Theory Coding (18ECI502)** becomes an integrated subject for 5<sup>th</sup> Semester students
- b. The Elective subject **Digital System Design (18ECI602)** becomes an integrated subject for 6<sup>th</sup> Semester students.
- c. Professional Elective-I for 5<sup>th</sup> Semester students (as per new Scheme):
  - i. **Random Process and Probability (18EC5PE51)**
  - ii. **Robotics and Automation (18EC5PE52)**
  - iii. **Digital Switching Systems (18EC5PE53)**
- d. BOS members suggested changing title and contents of the 6<sup>th</sup> semester Elective subject **Cryptography** to **Cryptography and Network Security (18EC6PE43)**. It is one of the requests of our students in Feedback on Curriculum. The following are the Professional Elective-II :
  - i. **Analog and Mixed Mode VLSI design (18EC6PE41)**
  - ii. **Speech Processing (18EC6PE42)**
  - iii. **Cryptography and Network security (18EC6PE43)**

1. **Microwave Communication (18EC504)** credits changed from 4credits to 3 credits and correspondingly the syllabus is reduced.
2. Fundamental of CMOS VLSI design and corresponding VLSI Lab shifted from 6<sup>th</sup> Semester to 5<sup>th</sup> Semester (Instead of Microcontroller Theory and its Lab): **Fundamental of CMOS VLSI Design (18EC503) and VLSI Lab (18EC508)**.
3. All the Lab courses of UG becomes 1credit courses
4. Mini Project work (18EC6MP01) introduced at 6<sup>th</sup> Semester BE
5. The Scheme and Structure of 7<sup>th</sup> and 8<sup>th</sup> Semester for 2018 batch was approved
6. Basic Electronics syllabus for 2020-21 batch was approved

**B. Minutes of Meeting (PG Program):**

BOS members accepted and approved all the subjects proposed by the department, for the PG Program, from the academic year 2020-21.

1. Scheme and Syllabus for M.Tech in VES (VLSI and Embedded system Design)
2. Scheme and Syllabus for M.Tech in DE (Digital Electronics)

  
Chairman  
(Dr. M.Z. Kurian)  
Professor & Head  
Dept. of Electronics Engg  
S. S. I. T., Tumkur.



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## BOS MEETING

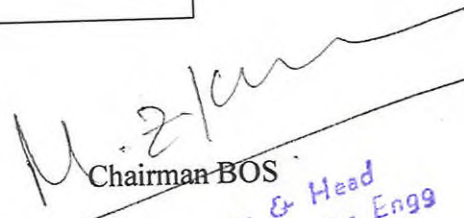
### DETAILS OF RESOLUTIONS

Academic Year 2020-21

Department: **ELECTRONIC AND COMMUNICATION ENGINEERING**

Date: 27.5.2020

Sl No	Particulars	Decision Taken	Res. Number
1	Basic Electronics (ES-EC203) is an Integrated subject of 3Credits for the First year BE from the Academic Year 2020-21	Approved the syllabus	SSIT/EC/2020-21/55-1 /27.5.2020
2	Scheme of Teaching, Subjects and Syllabus of 5 <sup>th</sup> and 6 <sup>th</sup> Semesters BE (2018 batch)	Approved	SSIT/EC/2020-21/55-2 /27.5.2020
3	Structure and Subjects of 7 <sup>th</sup> and 8 <sup>th</sup> Semesters BE (2018 batch)	Approved	SSIT/EC/2020-21/55-3 /27.5.2020
4	Scheme of Teaching, Subjects and Syllabus of M.Tech in VES (VLSI and Embedded System Design) for the academic year 2020-21	Approved	SSIT/EC/2020-21/55-3 /27.5.2020
5	Scheme of Teaching, Subjects and Syllabus of M.Tech in DEL (Digital Electronics) for the academic year 2020-21	Approved	SSIT/EC/2020-21/55-3 /27.5.2020

  
Chairman BOS  
Professor & Head  
Dept. of Electronics Engg  
S.S.I.T., Tumkur.

## Department of IEM

BOS meeting for the Academic Year 2020-2021

Department of Industrial Engineering & Management  
and Mechanical Engineering

### Proceedings of the meeting

The following points have been discussed in  
BOS meeting

1. External members suggested to change Title of Mechanical Engg. Science, and add contents in the syllabus and also number of hrs based on credits
2. Include all the open electives in the syllabus copy (structure) offered by the different Board of studies
3. Minimum of three professional electives must be offered.
4. Mini project must be included in Fifth Sem, in this semester students must collect the data related to conceptual model idea, without any credits (i.e. literature survey and other related information) preferably innovative ~~you~~ mini project.
5. Suggested to include <sup>some</sup> recent ~~to~~ and (current requirements) in the unit-V related to subject, as per the industrial requirements, in all subjects.
6. Suggested to include Mechatronics as a core subject for ME.
7. No. of hours must be at the end of each unit
8. Suggested to avoid the topics repetition in subjects
9. change of unit-V main - Computer aided process planning and Robotics, include FMS, Virtual manufacturing, Smart manufacturing, change of CAD/CAM to CAD/CAM and Advanced Manufacturing.
10. In Marketing Management include Digital marketing in last unit
11. Suggested in Sixth Sem OM Subject change of Unit-V. only scheduling instead of single M/E scheduling. It is suggested to change NDT professional elective
12. Include ~~the~~ advanced hiring methods in HRM subject.

S.W. Lax

Members Present in BOS meeting

Ashok Kumar C.V.

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External Members

1. Ashok Kumar, C.V.  
Senior Associate consultant  
Infosys limited, Bangalore
2. Dr. V.S. Mallik  
Professor, Mechanical Dept  
SIT, Tumkur
3. Dr. R.S. Kadadevarmath  
Prof and H.O.D, Dept of IEM  
SIT, Tumkur

Internal Members

1. Dr. S.N. Lakshminarasimhan
2. Dr. R. Harish Kumar
3. Dr. Sanjeeva Murthy
4. Dr. Ashok Mehta
5. Dr. T.B. Prasad.
6. Prof. C.V. Mahesh
7. Dr. B.S. Ravi Kiran
8. Dr. D. Ramesh,
9. Dr. H.B. Bhaskar
10. Dr. Manu S
11. Dr. Ravindra Sagar, C.S
12. Dr. Tilak Chandra. B
13. Prof. Shankar Nag, G.L
14. Prof. Bhaskar. G.
15. Dr. T.R. Hemant Kumar
16. Prof. Harish S
17. Prof. Annapurna T.L
18. Prof. Ceela. B.N.
19. Prof. M.M. Reddy,
20. R. Praveen
21. Prof. Lokith. N
22. Prof. Punim. S

S.N.L  
K.H. Murthy

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T.B.P - 1

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D.S. Murthy - 6/6

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T.R. Hemant

- Harish S

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*[Handwritten signature]*  
N. Lokith

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## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, MARALUR, TUMKUR-572105

Ph: Off: 2200314,222,243,245 Fax: 2200270

**Ref:**

**Date:** 29/05/2020

Minutes of the meeting of BOS held at conference hall, administrative block, at 10.00 am on 28<sup>th</sup> May 2020.

Members present:

1. Dr. Ramakanth Kumar P, Prof. and Dept. of CSE, RVCE, Bangalore
2. Dr. S A Angadi, Professor, VTU, Belagavi.
3. Praveen Kumar Kalbhavi, CEO, Mangalore.
4. Dr. M. Siddappa Prof. & Head Dept. of CSE, Chairman of BOS and Dean (Aca)
5. Dr. Karunakara Prof. & Head Dept. of ISE and Dean (Exam)
6. Dr. C.K.Raju Associate Professor, Dept. of CSE
7. Dr. C.D. Guruprakash Professor, Dept. of CSE
8. Dr. N. L. Udaya Kumar Assistant Professor, Dept. of CSE
9. Dr. Manjunatha Kumar B H, Assistant Professor, Dept. of CSE
10. Naveen Kumar A N, Associate Professor, Dept. of ISE
11. Chethan B K, Assistant Professor, Dept. of ISE
12. Champakamala, Assistant Professor, Dept. of ISE

Dr. Ramakanth Kumar P, Dr. S A Angadi and Praveen Kumar Kalbhavi attended the meeting through Google meet because of COVID – 19 pandemic. The chairman of BOS extended warm welcome to all the members present and briefed about the agenda to be taken up for the discussion.

Dr. Manjunatha Kumar B H and Prof. Naveen Kumar A N, explained the curriculum structure and syllabus of 5<sup>th</sup> and 6<sup>th</sup> semester of the program B.E. in Computer Science & Engineering and Information Science and Engineering respectively.

System software and compiler design subject of 6<sup>th</sup> semester is replaced by Compiler design for the batch 2018 – 19 according to the **student feedback** about the same subject.

The expert members appreciated the new courses included and suggested the following things while approving the syllabus of 5th and 6th semester of 2018 – 19 batch:

- Consider the recent edition text books and reference books.
- Use open source tools during the practical hours of the Software Engineering course.
- Computer Networks syllabus accepted in the current form.
- Introduction to Automata Theory and Computation syllabus accepted in the current form.
- Introduce a topic on NOSQL in Database Management System (DBMS) course.
- Contact nearby companies to collect the requirements during the implementation of mini project of DBMS course.
- Compiler Design syllabus is accepted in the current form.
- Web Technologies course syllabus is accepted in the current form.
- Instead of including the Artificial Intelligence course, as a professional elective, combine the same with Machine Learning and make it as the regular course.
- Include mini projects in Machine learning lab.

- Include Cyber security as an elective in the 7<sup>th</sup> semester.
- Advanced Java and J2EE syllabus is accepted in the current form.
- UNIX System Programming (18IS5PE51) syllabus is accepted syllabus is accepted with no suggestions.
- Management Information System (18IS5PE52): Suggested to include case studies and to adopt recent year of publication for the text books and reference books.
- Natural Language Processing (18IS5PE53): Suggested to include nltk tool to illustrate the applications of NLP.
- Application Development using Python (18IS5PE54) syllabus is accepted with no suggestions.
- Operating Systems Lab (18IS507) syllabus is accepted with no suggestions.
- Software Engineering (18IS601): Suggested to include scrum technology and case studies.
- Artificial Intelligence and Machine Learning (18IS603) syllabus is accepted with no suggestions.
- Internet of Things (18IS6PE41) syllabus is accepted with no suggestions.
- NoSQL Database (18IS6PE42): Suggested to incorporate map reduction techniques.
- Wireless Sensor Networks (18IS6PE43) syllabus is accepted with no suggestions.
- Computer Vision and Robotics (18IS6PE44) syllabus is accepted with no suggestions.
- Computer Networks Lab (18IS607) syllabus is accepted with no suggestions.
- Artificial Intelligence and Machine Learning Lab (18IS608): Suggested to provide mini project as a part of lab exam with some marks allotted.

#### **Resolutions made in the meeting:**

- Scheme of teaching, subjects and syllabus of 5<sup>th</sup> and 6<sup>th</sup> semester of the program Bachelor of Engineering in Computer Science & Engineering and Information Science & Engineering (2018 batch) is approved.
- Scheme and syllabus of the courses Computing Fundamentals and C programming (4 credits) and Computer concepts & Programming lab for the first year BE from the academic year 2020-21
- Suggestions given by the experts are incorporated in the revised copy of the syllabus.

The meeting was concluded with vote of thanks by the chairman of BOS.

  
Chairman BOS



# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, MARALUR, TUMKUR-572105

Ph: Off: 2200314,222,243,245 Fax: 2200270

Ref:

Date: 28/05/2020

## BOS Meeting for CSE/ISE

### Agenda of the Meeting

1. Discussion and Finalization of 5<sup>th</sup> and 6<sup>th</sup> semester Curriculum and Syllabus for 2018-19 batch.

### Minutes of the Meeting

1. Approval of 5<sup>th</sup> and 6<sup>th</sup> semester Curriculum and Syllabus.

External BOS Members			
Sl. no	Name	Designation	Signature
1	Dr. Shanmugappa Angadi	Professor , VTU Belagavi	} ONLINE MEETING.
2	Dr. Ramakanth Kumar .P	Prof & Head, Dept of CSE, R.V.C.E Bangalore	
3	Mr. Praveen Kumar Kalabhavi	MD and CEO, Novigo Solutions Pvt.ltd. Mangalore.	
Internal BOS Members			
1.	Dr. M Siddappa	Prof & Head, Dept. of CSE, SSIT, Tumakuru.	15/5
2.	Dr. K Karunakara	Prof & Head, Dept. of ISE, SSIT, Tumakuru	Kee
3.	Dr. C D Guruprakash	Professor, Dept. of CSE, SSIT, Tumakuru.	Geetha
4.	Dr. C. K. Raju	Assoc. Professor, Dept. of CSE, SSIT, Tumakuru.	Chibby
4.	Dr. B.H Manjunatha Kumar	Assistant Professor, Dept. of CSE, SSIT,	mmj
5.	Dr. Udaya Kumar N L	Assistant Professor, Dept. of CSE, SSIT,	Udaya
5	Prof. A N Naveen Kumar	Assoc. Professor, Dept. of ISE, SSIT, Tumakuru.	AN
7.	Prof. Chethan B.K	Assistant Professor, Dept. of ISE, SSIT, Tumakuru.	Chethan
8.	Prof. Champaka mala	Assistant Professor, Dept. of ISE, SSIT, Tumakuru.	Cham

15/5

Chairman

BOS, CSE and ISE Dept  
S.S.I.T. Tumakuru



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MaralurTumkur – 572 105.

## BOS MEETING

Details of resolutions taken in Board of Studies Meeting for the year 2020-21.

(Connected with academics only)

Department: Computer Science and Engineering & Information Science and Engineering

Date:29.05.2020

SI No	Particulars	Decision Taken	Resolution Number
1	Scheme of teaching , subjects and syllabus of 5 <sup>th</sup> and 6 <sup>th</sup> semesters BE from the academic year 2020-21 (2018 batch)	Approved	SSIT/CS/2020-21/20
2	Scheme and syllabus of the courses Computing Fundamentals and C programming (4 credits) and Computer concepts & Programming lab for the first year BE from the academic year 2020-21	Approved	SSIT/CS/2020-21/20

  
Chairman BOS



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## BOS MEETING

Details of resolutions taken in Board of studies meeting for the year 2020-21.  
(Connected with academics only)

Department: Civil Engineering Date: 11.06.2020

Sl No	Particulars	Decision Taken	Resolution Number
1.	20ESCV104/204 Elements of civil engineering	The subject has reintroduced with the title "Elements of Civil Engineering" for both physics and chemistry cycles in the first year curriculum for all the branches. <u>Proceedings of the BOS meeting:</u> <ol style="list-style-type: none"><li>1. Course outcomes to be rearranged as per the units.</li><li>2. The content of the unit-I foundation to be shifted to unit-iii along with components of the buildings. In the same unit definitions, components and types of dams to be added.</li><li>3. In unit-iv force and force system only concurrent forces to be included with simple problems.</li><li>4. In unit-v centroid the basic concept of moment of inertia of L section, T section, symmetrical I section and typical dam section to be incorporated.</li></ol>	BOS/1YEAR/1/20-21
2.	18CE501-Structural analysis-I	<ol style="list-style-type: none"><li>1. Course outcomes to be rearranged as per the units.</li><li>2. The content of the unit-I and unit-ii to be interchanged.</li></ol>	BOS/3YEAR/ODD/1/20-21
3.	18CE502-Geotechnical Engineering(Integrated course)	<ol style="list-style-type: none"><li>1. Suggested to reconstruct the syllabus.</li></ol>	BOS/3YEAR/ODD/2/20-21
4.	18CE503-Design of RCC structures	<ol style="list-style-type: none"><li>1. Title of the subject may be renamed as Design of RC elements</li><li>2. Course outcomes are suggested to redefined as per the changes made in the syllabus</li><li>3. In unit-I calculation of deflection of beams may be removed.</li><li>4. Design for binding and torsion for beams to be removed in unit-iii</li><li>5. In unit-iv interior, 2 edge discontinuous, 1 edge discontinuous and 4 edge continuous two way slabs are to be included. And design of open well stair case to be removed.</li></ol>	BOS/3YEAR/ODD/3/20-21



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## BOS MEETING

		6. In unit-v the design of circular footings to be removed	
5.	18CE504-Transportation Engineering	1. Content of the syllabus may be reduced as per hours prescribed.	BOS/3YEAR/ODD/4/20-21
6.	18CE5PE51-Hydrology and Water Resources Engineering (Program Elective)	1. BOS has not recommended any changes.	BOS/3YEAR/ODD/5/20-21
7.	18CE5PE52-Alternative Building Materials and Technology(Program Elective)	1. BOS has not recommended any changes.	BOS/3YEAR/ODD/6/20-21
8.	18CE5PE53-Solid Waste Management(Program Elective)	1. BOS suggested including one more course Outcome based on Syllabus contents in the Units.	BOS/3YEAR/ODD/7/20-21
9.	18CE5PE54- Ground Water Hydrology(Program Elective)	1. BOS suggested including one more course Outcome based on Syllabus contents in the Units.	BOS/3YEAR/ODD/8/20-21
10.	18CE5PE55- Rural Water Supply and Sanitation(Program Elective)	1. BOS suggested to include more than two reference books.	BOS/3YEAR/ODD/9/20-21
11.	18CE5OE61-Solid waste management 18CE5OE62-Air pollution and control 18CE5OE63- Remote sensing and GIS	1. Among three open electives of semester v no changes are suggested. For this semester 18CE5OE62-Air pollution and control is offered and taught. 2. Additionally one more open elective subject related to the field applications is suggested to be introduced.	BOS/3YEAR/ODD/10/20-21
12.	18CE5L01-Concrete and Highway Material Laboratory	1. In unit –II suggested to make change for Workability Test on Fresh Concrete. 2. In unit-III suggested to Remove Flexural Strength of RCC beam, Permeability of concrete also recommended to include Flexure strength of Prism Beam.	BOS/3YEAR/ ODD /11/ 20-21
13.	18CE5L02-Software Engineering Lab	1. Suggested to change the title of the subject as Software Application in Civil Engineering. 2. Recommended <ul style="list-style-type: none"> <li>• Syllabus of Software – STAD Pro may be constructed by the in-house Faculties.</li> </ul>	BOS/3YEAR/ODD/12/ 20-21



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## BOS MEETING

		<ul style="list-style-type: none"> <li>If expertise is available in-house external resource person may be avoided</li> <li>Instructed to invite external industry for guest lectures expertise.</li> </ul>	
14.	18CE601-Structural analysis-II	1. In unit-iii slope-deflection method is to be removed and is replaced by the basics of indeterminate structures with stiffness matrix methods and flexibility matrix method.	BOS/3YEAR/ODD/13/20-21
15.	18CE602-Environmental Engineering (Integrated course)	1. No changes are suggested in the syllabus and standard text books to be added for reference.	BOS/3YEAR/EVEN/1/20-21
16.	18CE603-Hydraulic structures and irrigation design	1. The same syllabus is retained and text books to be added in standard format.	BOS/3YEAR/EVEN/2/20-21
17.	18CE6PE41-Advanced Transportation Engineering (Program Elective)	1. No changes are suggested in the syllabus and text books and references to be limited to three numbers.	BOS/3YEAR/EVEN/3/20-21
18.	18CE6PE42-Matrix method of structural analysis (Program Elective)	1. No corrections are needed.	BOS/3YEAR/EVEN/4/20-21
19.	18CE6PE43-Ground Improvement Technique (Program Elective)	1. No corrections are needed.	BOS/3YEAR/EVEN/5/20-21
20.	18CE6PE44-Air pollution and control (Program Elective)	1. Course outcomes to be redefined and standard textbooks to be mentioned.	BOS/3YEAR/EVEN/6/20-21
21.	18CE6PE45-Traffic Engineering (Program Elective)	1. No corrections are required.	BOS/3YEAR/EVEN/7/20-21
22.	18CE6OE51-Alternative Buildings materials 18CE6OE52-Environmental Impact Assessment 18CE6OE53- Industrial waste water treatment 18CE6OE54- Environmental protection and management	1. Among four open electives of semester vi no changes are suggested. For this semester 18CE6OE54- Environmental protection and management is offered and taught.	BOS/3YEAR/EVEN/8/20-21



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## BOS MEETING

23.	18CE6L01-Construction Technology Laboratory	<ol style="list-style-type: none"><li>1. There is no scope for the conduction of laboratory experiments in classes and examination</li><li>2. Best suited for the demonstration only</li><li>3. Only viva-voce is suggested for the evaluation</li><li>4. Centre line marking of buildings experiment may be shifted to surveying practice laboratory</li><li>5. It is suggested to relate the concept with<ol style="list-style-type: none"><li>a) Identifications of specimens</li><li>b) Field applications and implementation</li><li>c) Types of smart construction materials</li></ol></li></ol> <p>As per the BOS meeting proceedings it was recommended that the Construction Technology Laboratory (18CE6L01) is contains experiments of demo nature only. As such no credit can be assigned for this laboratory. Further with discussion of Principal and Dean Academics it has been recommended to maintain the credit and the nature of examination is viva voce only. In future this lab may be made integrated <del>is</del> included with suitable any laboratory as viva voce part.</p>	BOS/3YEAR/EVEN/9/20-21
24.	18CE6L02-Geotechnical Engineering Laboratory	<ol style="list-style-type: none"><li>1. Suggested to remove experiments 1, 2, 3 &amp; 4.</li><li>2. Instructed to add swell pressure test be added.</li><li>3. Redefined the course outcomes as per the curriculum.</li></ol>	BOS/3YEAR/EVEN/10/20-21
25.	18CE6MP01-Extensive Survey Project	<ol style="list-style-type: none"><li>1. Directed to refer the guidelines of VTU and other universities.</li></ol>	BOS/3YEAR/EVEN/11/20-21

Chairman BOS

23/06/20

Civil Engineering Department  
Professor & Head  
Dept. Of Civil Engineering  
Sri Siddhartha Institute of Technology



# SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY TUMAKURU-572105

(Constituent College of Sri Siddhartha Academy of Higher Education, Accredited by NAAC)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

(Accredited by NBA in Tier-I, for Six years- 2017-2023)

Ref:

Date: 25-05-2020

To,  
The Principal  
SSIT, Tumakuru.  
Sir,

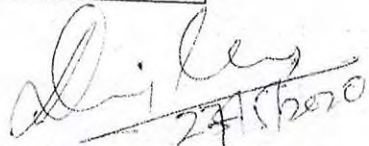
I am pleased to inform that Board of Studies Meeting is scheduled on May, 30<sup>th</sup>, 2020 at 10.00AM in the Department of Electrical & Electronics Engineering, SSIT Tumakuru. In this regard, the following BoS members are invited to discuss and to finalize Scheme and Syllabus of

1. Third & Fourth Semester B.E. Program of 2018 Batch (Revision)
2. Fifth & Sixth Semester B.E. Program of 2018 Batch

I kindly request you to make necessary arrangements to conduct the same.

## Board of Studies (BoS) for EEE 2020-21

UG – Bachelor of Engineering (BE), in Electrical & Electronics Engineering			
Sl.	Name	Designation & Address	Position
1	Dr. L Sanjeev Kumar	Professor & Head, Dept. of E&EE	Chairman
2	Prof. K L Ratnakar	Professor, Dept. of E&EE	Member
3	Dr. G S Sheshadri	Professor, Dept. of E&EE	Member
4	Dr. B Rajesh Kamath	Professor, Dept. of E&EE	Member
5	Prof. Pradeep N	Asst. Professor, Dept. of E&EE	Member
6	Prof. D Ravi Prasad	Asst. Professor, Dept. of E&EE	Member
7	Dr. U Jayachandra Shenoy (Academics)	Principal Research Scientist Department of Electrical Engineering, Indian Institute of Science, Bengaluru-560012	Member
8	Er. K. V. Kamath (Industry)	Managing Director M/s Kamath Transformers Pvt. Ltd. B-124 3rd Cross I Stage Peenya Industrial Estate Bangalore - 560058	Member
9	Er. Gowrishankar C K (Alumnus)	Scientist-Engineer-SG Space Craft Check Out Group ISRO Satellite Centre, HAL Airport Road, Bengaluru-560017	Member

  
24/5/2020  
Chairman – BoS in E&EE  
SSIT, Tumkur-572105

Capt. Dr. L. Sanjeev Kumar

Professor & Head, Department of EE & E,  
sanjeev\_ssit@yahoo.com  
Sri Siddhartha Institute of Technology  
TUMAKURU - 572 105.

Dr. L. Sanjeev Kumar, Professor & Head, Chairman, Board of Studies.

Office: 0816-2200314 Ext: 201

Fax: 0816-2200999,

Mobile: 9845040167



# Sri Siddhartha Institute Of Technology

(A Constituent college of Sri Siddhartha Academy of Higher Education , Tumkur)

MaralurTumkur – 572 105.

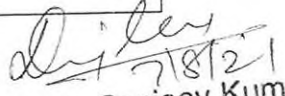
BOS MEETING-for AY-2021-22

Details of resolutions taken in Board of studies meeting for the year 2021-22.

*Department: Electrical and Electronics Engineering*

Date: 07-08-2021

Sl No	Particulars	Decision Taken	Resolution Number
1	Approval of the Scheme and syllabus for 1 year for 2020 scheme, Academic year 2021-22.	APPROVED	SSIT/EEE/BoS/2021-22/01
2	Approval of the Scheme and syllabus for 2 <sup>nd</sup> year for 2020 Scheme, Academic year 2021-22.	APPROVED	SSIT/EEE/BoS/2021-22/02
3	Approval of the Scheme and syllabus for 4 <sup>th</sup> year for 2018 Scheme Academic year 2021-22.	APPROVED	SSIT/EEE/BoS/2021-22/03
4	Approval of the Scheme and syllabus for 2 <sup>nd</sup> year PG for 2018 Scheme Academic year 2021-22.	APPROVED	SSIT/EEE/BoS/2021-22/04
5	Equivalent subjects of 2016 scheme to 2018 scheme and 2020 scheme for Academic year 2021-22.	APPROVED	SSIT/EEE/BoS/2021-22/05

  
Capt. Dr. L. Sanjeev Kumar  
Professor & Head, Department of EE & E,  
Sri Siddhartha Institute of Technology



# Sri Siddhartha Institute Of Technology

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Maralur, Tumakuru – 572 105.

## BOS MEETING

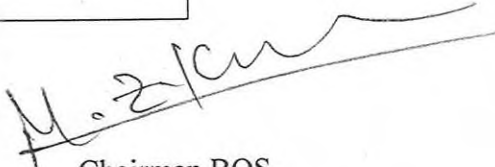
Details of resolutions taken in Board of Studies (BOS) meeting for the academic year 2021-22  
(Connected with academics only)

Department: **ELECTRONICS AND COMMUNICATION ENGINEERING (EC Board)**

Date: 12.8.21

### Academic Year 2021-22

<i>SI No</i>	<i>Particulars</i>	<i>Decision Taken</i>	<i>Resolution Number</i>
1	Review of Basic Electronics Syllabus (Integrated Course of 4 Credits) for 1 <sup>st</sup> Year BE	Reviewed the Basic Electronics Syllabus for the Academic Year 2021-22 and Approved the contents.	SSIT/EC/BOS/60/1
2	Review the Scheme and Structure for BE Program (2020-21 Scheme) for 170 Credits, as per the guidelines of CDC-SSIT-Tumkur, for the Academic Year 2021-22	Reviewed and Approved the Scheme and Structure of BE for 170 Credits	SSIT/EC/BOS/60/2
3	Review of Courses and Syllabus of 2nd Year B.E. and 4th Year B.E, as per the Scheme and Structure of above (SI No.2) and Courses Suggested by Internal BOS meeting of ECE dept.	a) Reviewed the Courses of 2 <sup>nd</sup> Year BE and 4 <sup>th</sup> Year BE, as per Structure and Approved the same. b) Reviewed the Syllabus Contents and approved with small corrections, like including/excluding the topics.	SSIT/EC/BOS/60/3
4	Review of 3rd Year BE Courses and Syllabus (2018 Scheme) and M.Tech (VE and DE) Courses and Syllabus (2020-21 Scheme)	Reviewed the Courses and Syllabus of 3 <sup>rd</sup> year BE and M.Tech (VE and DE) Syllabus (2020-21 Scheme) for the Academic year 2021-22	SSIT/EC/BOS/60/4

  
Chairman BOS

EC Board

Sri Siddhartha Institute of Technology  
Maralur, Tumakuru - 572 105.



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Maralur,Tumkur – 572 105.

## BOS MEETING

Details of resolutions taken in Board of studies meeting for the year 2021-22.  
(Connected with academics only)

Department: MATHEMATICS

Date: 12-08-2021

Academic Year: 2021-22

SI No	Particulars	Decision Taken	Resolution Number
1	Review of courses and syllabus of III Semester BE suggested by internal BOS meeting of Mathematics department.	Reviewed the syllabus contents of III Semester BE and approved with small corrections.	SSIT/MAT/BOS/7/1
2	Review of courses and syllabus of IV Semester BE suggested by internal BOS meeting of Mathematics department.	Reviewed the syllabus content approved with small corrections.	SSIT/MAT/BOS/7/2
3	Review of first year syllabus and open elective syllabus for third year.	Reviewed of first year syllabus and open elective syllabus for third year and approved the contents.	SSIT/MAT/BOS/7/3

Chairman BOS  
Prof. & Head  
Dept. of Mathematics  
SSIT, Tumakuru - 572105.



# Sri Siddhartha Institute Of Technology

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Maralur, Tumkur – 572 105.

## BOS MEETING

Details of suggestion made in Board of studies meeting for the year 2021-22.

(Connected with academics only)

Department: Civil Engineering

Date: 16.08.2021

SI No	Sub code	Particulars	Decision Taken	Resolution Number
1.	CE3TH2	Applied Mechanics	<ul style="list-style-type: none"><li>Course outcome - 01 has to be changed.</li></ul>	BOS/II YEAR/ODD/1/21-22
2.	CE3TH3	Engineering Geology	<ul style="list-style-type: none"><li>Springs and artesian wells concept should be removed</li></ul>	BOS/ II YEAR /ODD/2/21-22
3.	CE3TH4	Fluid Mechanics	<ul style="list-style-type: none"><li>Course objective has to be modified.</li><li>Course outcome - 03 has to be reduced.</li></ul>	BOS/ II YEAR /ODD/3/21-22
4.	CE3TH5	Building Planning and Drawing	<ul style="list-style-type: none"><li>Course objective has to be modified.</li><li>All the 4 Course outcomes have to be modified.</li><li>In part B rain water harvesting concept to be introduced.</li></ul>	BOS/ II YEAR /ODD/4/21-22
5.	CE3TH6	Survey Theory	<ul style="list-style-type: none"><li>Complete syllabus content should be modified</li></ul>	BOS/ II YEAR /ODD/5/21-22
6.	CE3LB1	Hydraulics and hydraulic machines Lab	<ul style="list-style-type: none"><li>One more course outcome should be added.</li></ul>	BOS/ II YEAR /ODD/6/21-22
7.	CE3LB2	Surveying practice - I	<ul style="list-style-type: none"><li>Syllabus should be modified with reference to survey theory.</li></ul>	BOS/ II YEAR /ODD/7/21-22
8.	CE3LB3	Auto Cadd Lab	<ul style="list-style-type: none"><li>All the Course objectives have to be modified.</li><li>Course outcome – 02 &amp; Course outcome - 03 has to be modified.</li></ul>	BOS/ II YEAR /ODD/8/21-22



# Sri Siddhartha Institute Of Technology

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## BOS MEETING

9.	CE4TH2	Strength of Materials	<ul style="list-style-type: none"><li>Course objectives have to be modified.</li></ul>	BOS/ II YEAR /EVEN/1/21-22
10	CE4TH3	Concrete Technology	<ul style="list-style-type: none"><li>No changes are suggested in the syllabus.</li></ul>	BOS/ II YEAR /EVEN/2/21-22
11	CE4TH4	Hydraulics and Hydraulic Machines	<ul style="list-style-type: none"><li>Few grammatical changes has to be incorporated.</li></ul>	BOS/ II YEAR /EVEN/3/21-22
12	CE4TH5	Advanced surveying	<ul style="list-style-type: none"><li>This subject has to be replaced with <b>Building construction and management.</b></li></ul>	BOS/ II YEAR /EVEN/4/21-22
13	CE4TH6	Basic Geotechnical Engineering	<ul style="list-style-type: none"><li>No changes are suggested in the syllabus.</li></ul>	BOS/ II YEAR /EVEN/5/21-22
14	CE4LB1	Basic Material Testing Lab	<ul style="list-style-type: none"><li>No changes are suggested in the syllabus.</li></ul>	BOS/ II YEAR /EVEN/6/21-22
15	CE4LB2	Surveying practice - II	<ul style="list-style-type: none"><li>No changes are suggested in the syllabus.</li></ul>	BOS/ II YEAR /EVEN/7/21-22
16	CE4LB3	Engineering Geology Lab	<ul style="list-style-type: none"><li>No changes are suggested in the syllabus.</li></ul>	BOS/ II YEAR /EVEN/8/21-22
17	18CE701	Design of Steel Structures	<ul style="list-style-type: none"><li>No changes are suggested in the syllabus.</li></ul>	BOS/ IV YEAR /ODD/1/21-22
18	18CE702	Quantity Surveying & Estimation	<ul style="list-style-type: none"><li>Course outcome - 03 has to be modified.</li><li>In Unit-5, Karnataka transparency act has to be introduced.</li></ul>	BOS/ IV YEAR /ODD/2/21-22
19	18CE7PE31	Design of Prestressed Concrete Structures	<ul style="list-style-type: none"><li>Course outcome 3 &amp; 4 has to be modified.</li></ul>	BOS/ IV YEAR /ODD/3/21-22
20	18CE7PE32	Advance Design of RC Structures	<ul style="list-style-type: none"><li>All the Course outcomes have to be modified.</li></ul>	BOS/ IV YEAR /ODD/4/21-22
21	18CE7PE33	Earthquake Resistant Design of Structures	<ul style="list-style-type: none"><li>In UNIT -5, Base isolation concept has to be removed.</li></ul>	BOS/ IV YEAR /ODD/5/21-22



# Sri Siddhartha Institute Of Technology

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## BOS MEETING

22	18CE7PE41	Highway Geometric Design	<ul style="list-style-type: none"><li>No changes are suggested in the syllabus.</li></ul>	BOS/ IV YEAR /ODD/6/21-22
23	18CE7PE42	Numerical Methods in Civil Engineering	<ul style="list-style-type: none"><li>No changes are suggested in the syllabus.</li></ul>	BOS/ IV YEAR /ODD/7/21-22
24	18CE7PE43	Remote Sensing& GIS	<ul style="list-style-type: none"><li>No changes are suggested in the syllabus.</li></ul>	BOS/ IV YEAR /ODD/8/21-22
25	18CE705	Environmental Engineering Laboratory	<ul style="list-style-type: none"><li>All the Course outcomes have to be modified.</li></ul>	BOS/ IV YEAR /ODD/9/21-22
26	18CE706	Internship	<ul style="list-style-type: none"><li>Content has to slightly modified</li></ul>	BOS/ IV YEAR /ODD/10/21-22
27	18CE7PW01	Project PHASE - I	<ul style="list-style-type: none"><li>Content has to slightly modified</li></ul>	BOS/ IV YEAR /ODD/11/21-22
28	18CE7TS01	Technical seminar	<ul style="list-style-type: none"><li>Content has to slightly modified</li><li>Course outcome 1 &amp; 3 has to be rewritten.</li></ul>	BOS/ IV YEAR /ODD/12/21-22
29	18CE8PE11	Design and drawing of RCC and steel structures	<ul style="list-style-type: none"><li>In Part A: Change the Title to Detailing of Structural Elements</li><li>Add open well staircase in Unit 1</li><li>Support Conditions fixed and hinged to be added in unit 2.</li><li>All the Course outcomes have to be rewritten.</li></ul>	BOS/ IV YEAR /EVEN/1/21-22
30	18CE8PE12	Advanced Foundation Design	<ul style="list-style-type: none"><li>All the Course objectives have to be rewritten.</li></ul>	BOS/ IV YEAR /EVEN/2/21-22
31	18CE8PE13	Solid Waste Management	<ul style="list-style-type: none"><li>Course outcome-2 has to be rewritten</li></ul>	BOS/ IV YEAR /EVEN/3/21-22



# Sri Siddhartha Institute Of Technology

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## BOS MEETING

32	18CE8PE21	Bridge Engineering	<ul style="list-style-type: none"><li>• In Unit1, add problems on: afflux, scouring depth linear water way and most economical span.</li><li>• In Unit 5, Remove PSC slab design and add longitudinal girder design.</li><li>• Course objective-4 has to be rewritten.</li></ul>	BOS/ IV YEAR /EVEN/4/21-22
33	18CE8PE22	Structural Dynamics	<ul style="list-style-type: none"><li>• No changes are suggested in the syllabus.</li></ul>	BOS/ IV YEAR /EVEN/5/21-22
34	18CE8PE23	Urban Transport Planning	<ul style="list-style-type: none"><li>• No changes are suggested in the syllabus.</li></ul>	BOS/ IV YEAR /EVEN/6/21-22
35	18CE8PE31	Pavement Design	<ul style="list-style-type: none"><li>• No changes are suggested in the syllabus.</li></ul>	BOS/ IV YEAR /EVEN/7/21-22
36	18CE8PE32	Finite Element Analysis	<ul style="list-style-type: none"><li>• No changes are suggested in the syllabus.</li></ul>	BOS/ IV YEAR /EVEN/8/21-22
37	18CE8PE33	Air Pollution and Control	<ul style="list-style-type: none"><li>• No changes are suggested in the syllabus.</li></ul>	BOS/ IV YEAR /EVEN/9/21-22
38	18CE8PW02	Project PHASE - II	<ul style="list-style-type: none"><li>• No changes are suggested in the syllabus.</li></ul>	BOS/ IV YEAR /EVEN/10/21-22



# Sri Siddhartha Institute Of Technology

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Maralur, Tumkur – 572 105.

## BOS MEETING

<u>M.Tech - CADs</u>	
1. The new frame work for first and second semester M.Tech i.e., Including of a Professional elective – II and professional elective – IV respectively in curriculum has been approved by the BOS committee members.	BOS/PG I YEAR /ODD/1/21-22
2. It was suggested to replace Reliability Analysis and Reliability Based Design of Structures in Professional elective – III with Design of formwork structures.	BOS/PG I YEAR/EVEN/2/21-22

Chairman BOS

Civil Engineering Department

Professor & Head  
Dept. Of Civil Engineering  
Sri Siddhartha Institute of Technology  
Maralur, TUMKUR-572 105.



# Sri Siddhartha Institute Of Technology

(A Constituent college of Sri Siddhartha Academy of Higher Education , Tumkur)  
MaralurTumkur – 572 105.

## BOS MEETING

Details of resolutions taken in Board of studies meeting for the year 2021-22.

Faculty: ELECTRONICS AND TELECOMMUNICATION ENGINEERING.

Date: 7<sup>th</sup> August 2021

Sl. No.	Particulars	Decision Taken	Resolution Number
1	For 2020 Scheme: In 3rd Semester : To reduce the content of the subject titled "Digital Circuit Design using Verilog" with code ET3TH5	The syllabus of the subject with code ET3TH5 has been reduced	1
2	For 2020 Scheme: In 4th Semester: To add Kit experiments-QPSK, DPSK, TDM, etc. in the Communication lab 1 with code ET4LB2.	Kit experiments-QPSK, DPSK and TDM are included in the lab with code ET4LB2	2
3	For 2018 Scheme: In 7th Semester: Elective subject titled Digital Image Processing with code 18TC7PE32 has to replace the Speech Processing	Elective subject with code 18TC7PE32 is 'Digital Image Processing' instead of 'Speech Processing'	3
4	In 8th semester: For the subject titled 'Satellite Communication' with code 18TC8PE11, keep two text books.	The syllabus of Satellite Communication, 18TC8PE11, has been reframed by referring two text books as suggested by the members.	4
5	Approval of 5 <sup>th</sup> & 6 <sup>th</sup> semester structure, 2020 scheme.	The structure of 5th & 6th Semester (2020 Scheme) has been approved	5

ICE

10/8/21

Chairman BOS

Ref/SSIT/ECE/BOS-External/

Date: 4.7.2022

**EXTERNAL BOS MEETING**

2.7.2022, Saturday, at Dept. Library, ECE dept.

SI	Details of Resolution for A.Y.2022-23	Remarks
1	<b>Plan for NEP</b> in Engineering Education for A.Y. 2022-23	External Members suggested for implementation of NEP as early as possible
2	<b>Internship</b> for BE Students may be Mandatory from 2 <sup>nd</sup> Year onwards from A.Y.2022-23	External Members suggested compulsory internship for BE students
3	Centralized list of <b>Open Elective Courses</b> from all the Engineering departments of the Institution from Dean (Aca) office, Instead of individual department of Syllabus book	External Members suggested common list from Dean (Aca.) office from A.Y.2022-23
4	<b>First year BE</b> -Basic Electronics Syllabus for A.Y. 2022-23 -No change in the content (2020 scheme will continue)	Reviewed the 2020 scheme and syllabus, and approved with suggestion like putting proper Blooms level and rewriting COs.
	<b>Second Year BE</b> Courses and Syllabus for A.Y.2022-23 -No change in the content (2020 scheme will continue)	
	<b>Third Year BE</b> Courses and Syllabus for A.Y. 2022-23: Introduced new courses, content of few courses are changed as per BOS members suggestions. Mini projects are introduced in the scheme as per guidelines of CDC-SSIT-Tumkur (scheme changed from 2018 to 2020)	One to one discussion of all the Courses and Syllabus of 5 <sup>th</sup> and 6 <sup>th</sup> Semester and approved the same for A.Y.2022-23
	<b>Fourth Year BE</b> Courses and Syllabus for A.Y. 2022-23 -No change in the content (2018 scheme will continue)	Reviewed the 2020 scheme and syllabus, and approved
	<b>Forth Year BE Courses and Syllabus for A.Y. 2023-24.</b> (To avail advance credits at 6 <sup>th</sup> Semester BE in the year2022-23) -Introduced new courses and present course content is enhanced	Discussed and approved all the Courses and Syllabus of 7 <sup>th</sup> and 8 <sup>th</sup> Semester BE for A.Y.2023-24
5	<b>MTech</b> Courses and Syllabus for A.Y.2022-23 both for DE and VE (present scheme will continue)	Reviewed the scheme and syllabus, and approved for A.Y. 2022-23

*H. Z. Kumar*  
HOD, ECE 06/07/22  
Professor & Head  
Dept. of Electronics Engg  
S.S.I.T., Tumkur.



# Sri Siddhartha Institute Of Technology

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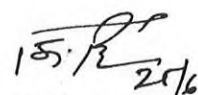
## BOS MEETING

Details of resolutions taken in Board of Studies meeting for the year 2022-23.  
(Connected with academics only)

Department: Computer Science & Engineering

Date: 25-06-2022

SI No	Particulars	Decision Taken	Resolution Number
1	Curriculum structure for V and VI semesters BE for the academic year 2022-23 (2020 Batch )	Approved	SSIT/CS/2022-23/1
2	Syllabus for V and VI semesters BE for the academic year 2022-23 (2020 Batch )	Approved	SSIT/CS/2022-23/2
3	Scheme of teaching for V and VI semesters BE for the academic year 2022-23 (2020 Batch )	Approved	SSIT/CS/2022-23/3
4	Refinement of CO's for all the semesters of UG for the academic year 2022-23	Approved	SSIT/CS/2022-23/4

  
Chairman, BOS  
HEAD

Dept. of Computer Science  
S.S.I.T., TUMAKURU-572 105

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

MINUTES of 2<sup>nd</sup> Meeting of the Board of Studies held on  
25<sup>th</sup> June, 2022 at 10:00 A.M.

Venue: LH-201, 2<sup>nd</sup> floor, Scholar Building,  
Department of Electronics and Telecommunication Engineering,  
Sri Siddhartha Institute of Technology

Sri Siddhartha Institute of Technology, Tumkur.  
(A constituent college of Sri Siddhartha Academy of Higher Education, Agalakote  
Tumkur)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

**MINUTES OF THE MEETING**

The 2<sup>nd</sup> meeting of Board of Studies of the Electronics and Telecommunication Engineering was held on 25<sup>th</sup> June, 2022 at 10:00 A.M. in the Lecture Hall-201, Scholar Building, Sri Siddhartha Institute of Technology, Tumakuru-572105.

**Committee -Board of Studies-Electronics and Telecommunication Board:**

1.	Dr G Suma	Chairman
2.	Dr Savita D Torvi	Internal Members
3.	Seema J K	
4.	Swarnalatha G L	
5.	Dr Sumana L	
6.	Hareesh K N	
7.	Puneeth Kumar D N	
8.	Jeevith S H	Academic Expert
9.	Dr Rajeshwari Hegde, Prof., Dept. of ETE, BMSCE, B'lore	
10.	Dr Nagaraj, Tech Lead-Embedded H/w, Smartauto Software Solutions.	Industrial Expert cum Meritorious Alumnus

<b>BOS/ETE 2.1</b>	<b>:</b>	<b>WELCOME ADDRESS AND OPENING REMARKS BY THE CHAIRMAN:</b> The Chairman, BOS of Electronics and Telecommunication Engineering welcomed and introduced the members of 2nd Board of Studies and thanked the members for sparing their valuable time in attending the meeting.
<b>BOS/ETE 2.2</b>	<b>:</b>	<b>TO CONFIRM THE MINUTES OF 1<sup>st</sup> BOS MEETING HELD ON 7<sup>th</sup> August, 2021:</b> The minutes of the First Board of Studies meeting held on 7 <sup>th</sup> August, 2021 were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the Academic council.
<b>BOS/ETE 2.3</b>	<b>:</b>	<b>TO CONFIRM AND APPROVE</b> the syllabus of 5 <sup>th</sup> and 6 <sup>th</sup> semester, 2020 scheme-B.E., Electronics and Telecommunication Engineering Programme.

		<b>RESOLVED TO APPROVE</b> the syllabus of 5 <sup>th</sup> and 6 <sup>th</sup> semester, 2020 scheme-B.E., Electronics and Telecommunication Engineering Programme.
<b>BOS/ETE 2.4</b>	:	<b>TO CONFIRM AND APPROVE</b> the structure of 7 <sup>th</sup> and 8 <sup>th</sup> semester, 2020 scheme-B.E., Electronics and Telecommunication Engineering Programme.
		<b>RESOLVED TO APPROVE</b> the structure of 7 <sup>th</sup> and 8 <sup>th</sup> semester, 2020 scheme-B.E., Electronics and Telecommunication Engineering Programme.
<b>BOS/ETE 2.5</b>	:	<b>Suggestions given by the members:</b>
2.51	:	To include topics related to the Entrepreneur Registration Process and also the case studies of successful entrepreneurs in Management and Entrepreneurship Course- ET5TH4.
2.52	:	To include the basic concepts of 5G in Wireless and Mobile Communication course-ET6TH2.
2.53	:	To include Automatic Driver Assistance System (ADAS) Technology in RADAR System- ET6PE41.
2.54	:	To incorporate Telemedicine as one of the electives in 7 <sup>th</sup> semester as it is the need of the hour in the field of medicine as an application of Telecommunication Engineering.
2.55	:	To teach Artificial Intelligence & Machine Learning (AI & ML) and Automotive Embedded System courses in 7 <sup>th</sup> / 8 <sup>th</sup> semester.
2.56	:	Strongly suggested to incorporate the National Educational Policy (NEP) in our system.
2.57	:	Appreciated the Combination of Analog & Digital Communication course in 4 <sup>th</sup> semester and took it as reference for their curriculum.

The members had a brainstorming discussion and interaction among themselves. Fruitful suggestions were incorporated appropriately in the curriculum and syllabus of 2020 Scheme.

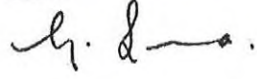

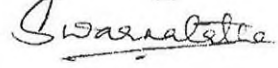
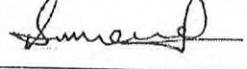
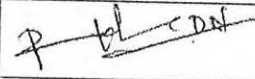
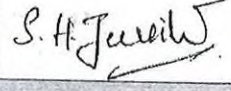

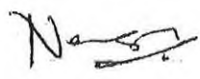
Based on the suggestions given by the members, BOS resolved to recommend the following to the Academic Council for further approval.

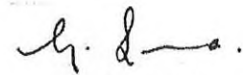
- a. Syllabus of 5<sup>th</sup> and 6<sup>th</sup> semester, B.E. programme under 2020 scheme.
- b. Structure of 7<sup>th</sup> and 8<sup>th</sup> semester B.E. programme under 2020 scheme.

Dr Savita D Torvi, Associate Professor, Electronics and Telecommunication Engineering thanked all the members for their presence, kind cooperation and valuable suggestions.

The meeting came to an end.

Members Present:

Chairman:		Signature
1.	Dr G Suma	
Internal Members:		
2.	Dr Savita D Torvi	
3.	Swarnalatha G L	
4.	Dr Sumana L	
5.	Puneeth Kumar D N	
6.	Jeevith S H	
External Members:		
7.	Dr Rajeshwari Hegde, Prof., Dept. of ETE, BMSCE, B'lore	
8.	Dr Nagaraj, Tech Lead-Embedded H/w, Smartauto Software Solutions.	



CHAIRMAN

BOARD OF STUDIES



30-07-2022

**Department of Physics**

Details of resolutions taken in BOS meeting  
(Connected with academic only)

**Subject:** Engineering Physics

**Subject code:** BSPH204

Sl. No.	Particulars	Decision taken	Resolution number
1	Subject code	Retained as BSPH104/204, but as an integrated course.	Phy/Theory/Lab/1/2022-2023
2	Credits	As per the institutional norms credits are modified to 04.	
3	No. of hours per week	Number of hours per week retained as 3 hours with 2 hours lab.	
4	Total teaching hours	Total teaching hours retained as 40 hours with a minimum of 20 hours of lab.	
5	Content of Syllabus	Included experimental determination of young's modulus and rigidity modulus of the material.	
6	Units	Included experimental determination of frequency of AC source by Sonometer. Determination of resonant frequency, band width, quality factor by series and parallel LCR resonance circuits.	
		Superconductivity chapter is replaced by Electrical conductivity in metals. Included experimental determination of Planck's constant by using LED's. Determination of Fermi energy and band gap of thermistor. Included experimental verification of Stefan's law.	
		Theory of Group velocity terminated.	
		Included experimental determination of wavelength of semiconductor LASER.	
		Included experimental determination of dielectric constant	
7	Number of experiments.	10	
8	Examination pattern	As per the institutional norms and to implement NEP for Engineering Physics (theory) and Engineering Physics (LAB) as Engineering Physics (integrated) course.	

Physics

29.7.22

Suree  
30/07/22  
Dr Suresh Kumar H.M.  
Prb. & Head, Dept. of Physics

K.S. Rample  
Dr. M.S. Reddy  
Prof & Head  
C.I.T



(A Constituent College of Siddhartha Academy of Higher Education, Tumkur 572015)

Details of resolutions taken in Board of studies meeting for the year 2022-23.

(Connected with academics only)

Department: CHEMISTRY

Subject: ENGINEERING CHEMISTRY (I)

Subject Code: BS-22CH102/202

Note : As per the Institutional norms and to implement NEP, the Engineering Chemistry treated to be an Integrated course and the credits revised to 4.

Resolution Number Chem/Theory (I)/1/2022-23

Dated: 30.07.2022

Sl No	Particulars	Decision Taken
1	Subject code	Changed from BS CH 104/204 to BS-22CH102/202
2	Credits	As per the institutional norms Credits modified to 04.
3	Number of hours per week	Number of hours per week retained as 3 hours, with 2 hours of Lab
4	Total teaching hours	Total teaching hours retained as 40 Hours, with a minimum of 20 hours lab.
5	Content of the syllabus	Included Estimation of Copper in PCB boards and Iron in TMT bar solution experiments instead of fluoride by colorimetry and sulphate by gravimetry.
6	Content of the syllabus	Included Electrophilic substitution reaction instead of redox reactions.
7	Content of the syllabus	Included Determination of pKa value of the given soft drink using pH meter and Determination of viscosity coefficient of given lubricant oil using Ostwald's Viscometer instead of smart material topics.
8	Lab Component	Number of Experiments retained as 10 and listed in Annexure
9	Examination pattern for lab	As per the Institutional norms and to implement NEP, the Engineering chemistry is converted to Integrated course. In this there is no Semester End Exam for lab component and considering only CIE component in lab.

BOS Members

Dr. G. Manjunatha, Associate Professor

Dr. H V Jayaprakash, Associate Professor

Dr. Hemalatha P., Assistant Professor

*[Handwritten signatures]*  
H.V.

BOS External Subject Expert

Dr V Udayakumar

Professor and Head

Department of Chemistry,

MVJ College of Engineering

Bangalore

*[Handwritten signature]*  
Chairman BOS, Chemistry

Dr. K Sunil

Associate Professor and Head

Dept. of Chemistry

SSIT, TUMKUR

30.07.2022

# SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY. TUMKUR

(A Constituent college of Sri Siddhartha Academy of Higher Education, Deemed to be University,  
under section 3 of UGC act 1956, Vide MHRD GOI Notification no.F9-31/2006-U.3(A)  
dated:30/05/2008, Agalakote, B.H.Road, Tumkur – 572107, KARNATAKA, INDIA.

## DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

ssitise@gmail.com, 0816-2200314



Date: 06/07/2022

### Board of Studies – Minutes of Meeting (External)

External Board of Studies Meeting has been held at Information Science department seminar hall at 10:30 am on 1st July 2022 to finalize the curriculum of 5<sup>th</sup>, 6<sup>th</sup> and 8<sup>th</sup> semesters of Information Science and Engineering program for the academic year 2022-23 and 2023-24.

#### Agenda of the meeting:

1. Discussion and finalization of 5<sup>th</sup>, 6<sup>th</sup> and 8<sup>th</sup> semesters syllabus for the academic year 2022-23 and 2023-24 for 2020 batch students.
2. Discussion on minor changes in the syllabus of 3<sup>rd</sup> and 4<sup>th</sup> semester for the academic year 2022-23 for 2021 batch students.

#### Members Present:

1. Dr. Karunakara K, Professor and Head, Chairman of BOS, SSIT, Tumakuru
2. Dr. Dayananda P, Professor and Head, Dept of ISE, JSSATE, Bangalore
3. Mr. Praveen Chandran, Academic Relationship Manager, Tata Consultancy Services, Bangalore.
4. Dr. Supriya M C, Prof, Dept of ISE
5. Dr. Suma R, Associate Prof, Dept of ISE
6. Naveenkumar A N, Associate Prof, Dept of ISE
7. Sushma M, Assistant Prof, Dept of ISE
8. Dr. Chethan B K, Assistant Prof, Dept of ISE
9. Vani B V, Assistant Prof, Dept of ISE
10. Pradeep M, Assistant Prof, Dept of ISE
11. Champakamala S, Assistant Prof, Dept of ISE
12. Rashmi H C, Assistant Prof, Dept of ISE
13. Prasanna Kumar M, Assistant Prof, Dept of ISE

The chairman extended the warm welcome to all members present and briefed the agenda to be taken up for the discussion in the meeting.

Prof. Champakamala S presented the curriculum structure and syllabus. Respective faculty members explained their perspective of framing the syllabus. The external experts expressed their views and suggestions about the curriculum during this meeting. The experts appreciated the new subjects included and suggested the following views while approving the curriculum.

### 5<sup>th</sup> Semester

Sl. No.	Subject Code and Name	Suggestions
1	IS5TH1: Computer Network-II	Accepted. If feasible, computer networks -I and computer networks – II can be merged as a single subject in the next upcoming scheme.
2	IS5TH2: Advanced Java and J2EE	Accepted.
3	IS5TH3: Database Management Systems	More practical exposure to be given on normalization concept.
4	IS5TH4: Introduction to Automata Theory and Computation	Accepted.
5	IS5PE51: Cloud Computing	Accepted.
6	IS5PE52: Internet of Things	Accepted.
7	IS5PE53: Intellectual Property Rights	Suggested to include Research Methodology as a part of the syllabus.
8	IS5OE61: Software Engineering	Accepted.
9	IS5OE62: Fundamentals of Algorithms	Appreciated.
10	IS5OE63: Introduction to UNIX	Accepted.
11	IS5MP1: Mini Project-I	Accepted. Suggested to give topics by the respective guides based on the subjects learnt by the students in 5 <sup>th</sup> and earlier semesters.
12	IS5LB1: Computer Networks Laboratory	Accepted.
13	IS5LB2: Database Laboratory	Accepted.

### 6<sup>th</sup> Semester

Sl. No.	Subject Code and Name	Suggestions
1	IS6TH1: Web Technologies	Accepted.
2	IS6TH2: Software Engineering and Software Testing	Accepted.
3	IS6TH3: Machine Learning Techniques	Accepted. Workshops can be conducted for students on this topic by TCS.
4	IS6PE41: Information Storage and Management	Accepted.
5	IS6PE42: Artificial Neural Networks	Suggested to include text books with latest edition.
6	IS6PE43: Data Science and Analytics	Appreciated. Working on partial delivery of the content by TCS.
7	IS6OE51: Artificial Intelligence	Accepted.
8	IS6OE52: Software Testing	Accepted.
9	IS6OE53: Human Computer Interaction	Accepted.
10	IS6MP2: Mini Project-II	Accepted. Suggested to give topics by the respective guides based on the subjects learnt by the students in 6th semester and earlier or any research related topics.
11	IS6LB1: Web Technology Laboratory	Accepted.
12	IS6LB2: Machine Learning Laboratory	Accepted.

### 8<sup>th</sup> Semester

Sl. No.	Subject Code and Name	Suggestions
1	IS8PE11: Agile Technologies	Plan is to provide any one subject from this Professional Elective Group-VI as an additional subject in 6 <sup>th</sup> semester for 2020 batch students and it is appreciated.
2	IS8PE12: Multimedia Computing	
3	IS8PE13: Augmented Reality and Virtual Reality	
4	IS8PE21: Software Project Management	Plan is to provide any one subject from this Professional Elective Group-VII as an additional subject in 7 <sup>th</sup> semester for 2020 batch students and it is appreciated.
5	IS8PE22: Green Computing	
6	IS8PE23: Infrastructure Management	
7	IS8TS1: Technical Seminar	Accepted.
8	IS8PW2: Project Work Phase - 2	Accepted.

### Comparison of 5th and 6th semester syllabus from 2018 to 2020 scheme

#### 5<sup>th</sup> Semester

Sl. No.	2018 Scheme	2020 Scheme	Changes Made in the syllabus
1	18CS501: Computer Networks	IS5TH1: Computer Network-II	Minor modifications.
2	18IS502: Advanced Java and J2EE	IS5TH2: Advanced Java and J2EE	Minor modifications.
3	18CS503: Introduction to Automata Theory and Computation	IS5TH4: Introduction to Automata Theory and Computation	Minor modifications.
4	18CS504: Database Management Systems	IS5TH3: Database Management Systems	Minor modifications.
5	18IS5PE51: UNIX System Programming	IS5PE51: Cloud Computing	Removed USP and introduced Cloud Computing.
6	18IS5PE52: Management Information System	IS5PE52: Internet of Things	Removed MIS and introduced IoT.
7	18IS5PE53: Natural Language Processing	IS5PE53: Research Methodology and Intellectual Property Rights	NLP is moved to 7 <sup>th</sup> sem and introduced Research Methodology and IPR.
8	18IS5PE54: Application Development using Python		4 <sup>th</sup> Professional Elective is not provided in the 2020 scheme. Hence, this subject is removed and few advanced python concepts were incorporated in Python for Data Processing theory and lab in 4 <sup>th</sup> sem.
9	CSE offered Open Electives	IS5OE61: Software Engineering	ISE offered Open Electives in 2020 scheme
10		IS5OE62: Fundamentals of Algorithms	
11		IS5OE63: Introduction to UNIX	
12		IS5MP1: Mini Project-I	Introduced in 2020 scheme for 2 credits.
13	Operating System Lab	IS5LB1: Computer Networks Laboratory	OS Lab removed.
14	Database Lab with Mini Project	IS5LB2: Database Laboratory	Mini project component is removed.

## 6<sup>th</sup> Semester

Sl. No.	2018 Scheme	2020 Scheme	Changes Made
1	18CSI602: Web Technologies	IS6TH1: Web Technologies	Minor modifications.
2	18IS601: Software Engineering	IS6TH2: Software Engineering and Software Testing	Software Engineering is merged with Software Testing.
3	18CS603: Artificial Intelligence and Machine Learning	IS6TH3: Machine Learning Techniques	AI part is removed.
4	18IS6PE41: Internet of Things	IS6PE41: Information Storage and Management	IoT is moved to 5 <sup>th</sup> sem and ISM is moved to 6 <sup>th</sup> sem from 7 <sup>th</sup> sem.
5	18IS6PE42: NoSQL Database	IS6PE42: Artificial Neural Networks	Removed NoSQL (one chapter is introduced in DBMS) and ANN is moved from 7 <sup>th</sup> to 6 <sup>th</sup> sem.
6	18IS6PE43: Wireless Sensor Networks	IS6PE43: Data Science and Analytics	Removed Wireless Sensor Networks and introduced Data Science and Analytics.
7	18IS6PE44: Computer Vision and Robotics	-	4 <sup>th</sup> Professional Elective is not provided in the 2020 scheme. Hence, this subject is removed.
8	CSE offered Open Electives	IS6OE51: Artificial Intelligence	ISE offered Open Electives in new scheme
9		IS6OE52: Software Testing	
10		IS6OE53: Human Computer Interaction	
11	18IS6MP01: Mini Project	IS6MP2: Mini Project-II	Introduced in 2020 scheme for 3 credits.
12	18ISL607: Computer Networks Lab	IS6LB1: Web Technology Laboratory	CN Lab moved to 5 <sup>th</sup> sem and introduced WT Lab.
13	18CSL608: Machine Learning Lab	IS6LB2: Machine Learning Laboratory	

### Minor modifications in 3<sup>rd</sup> and 4<sup>th</sup> semester syllabus of 2020 scheme

#### 3<sup>rd</sup> Semester

Sl. No.	Subject Code and Name	Modifications
1	IS3TH2: Discrete Mathematical Structures	Function composition and inverse functions. - Topic is very basic and students can do self-study. Trees: Definitions, Properties and Examples: Tree, Spanning Tree, Rooted Tree, Binary Tree. - This topic will be covered in Data Structures. Recursive definitions - Excessive content for the unit.
2	IS3TH3: UNIX and Shell Programming	Directory Permissions, Internal and External Commands, Timing Processes, Calling a script by different names, dot command, merging streams, Debugging shell scripts – These topics are removed since the same topics are covered in other units.

3	IS3TH4: Data Structures and its Applications	Union topic is removed as the students study this in first year. General trees topic is removed as it is difficult to cover within 8 hours and this concept can be taught in the introduction of Trees.
4	IS3TH6: Digital Design and Computer Organization	According to the feedback taken by 2020 batch students, syllabus seemed to be vast and difficult. Hence the topics like 7-segment decoder, Parity generator, and checker, Master-Slave flip-flops and Magnitude comparator are not much of importance can be removed. Similarly, Computer Organization text book is changed from Computer Organization and Architecture by William Stallings to Computer Organization by Carl Hamacher to minimize the topics.

#### 4<sup>th</sup> Semester

Sl. No.	Subject Code and Name	Modifications
1	IS4TH2: Operating Systems	Case studies are removed and planned to assign seminars on these topics to the students.
2	IS4TH3: Algorithm Design and Analysis	Exhaustive Search is removed and this topic is covered in other technique. Balance Search is restricted only to AVL Trees. Huffman Tree topic is removed since it is difficult to cover the syllabus within 8 hours and also the topics are not much necessary.
3	IS4TH4: Computer Networks - I	Switching, The Internet, Cyclic Code, Fast Ethernet and ATM topics are removed from the syllabus since it is difficult to cover the syllabus within 8 hours and also the topics are not much necessary.
4	IS4TH5: Python for Data Processing	IPython Basics: Running the IPython Shell, Running the Jupyter Notebook, The %run Command, About Magic Commands - These topics are removed since the topics are very basic and students can do self-study. Functions: Namespaces, Scope, and Local Functions, Returning Multiple Values, Functions Are Objects, Anonymous (Lambda) - This topic is moved from unit 2 to unit 1 to equally distribute the contents in each unit. Summarizing and Computing Descriptive Statistics: Unique Values, Value Counts, and Membership, Random Walks - Excessive content for the unit. Binary Data Formats: Using HDF5 Format, Reading Microsoft Excel Files, Interacting with Data bases - Excessive content for the unit.
5	IS4LB2: Data Processing Laboratory	Few simple programs are replaced with more complex programs.

**General Suggestions:**

- Analysis of algorithms lab programs can be implemented using C/Java/Python programming languages.
- Mini Project topics can be selected on implementation using MongoDB as a backend and Python as front end tools.
- Suggested to make Internships (paid) compulsory for the students as a part of curriculum from 3rd year itself.

*K. Karunakara K*  
**Dr. Karunakara K**

Chairman, BOS

Professor and Head

Dept of Information Science and Engineering

**Prof and Head**

**Dept. of Information Science & Engineering**  
**S.S.I.T., Tumakuru**



# Sri Siddhartha Institute Of Technology

(A Constituent college of Sri Siddhartha Academy of Higher Education, Tumkur)  
Maralur, Tumkur – 572 105.

## BOS MEETING

Details of suggestion made in Board of studies meeting for the year 2022-23  
(Connected with academics only)

Department: Civil Engineering

Date: 29.06.2022

Sl No	Sub code	Particulars	Decision Taken	Resolution Number
1.	CE6TH1	Structural Analysis-II	*Suggested to include slope deflection method	BOS/ III YEAR /EVEN/1/22-23
2.	CE6TH2	Design and Drawing of RC Structure	* No changes are suggested in the syllabus.	BOS/ III YEAR /EVEN/2/22-23
3.	CE6TH3	Environmental Engineering	* No changes are suggested in the syllabus.	BOS/ III YEAR /EVEN/3/22-23
4.	CE6PE41	Highway Geometric Design	* Suggested to add three more course objectives	BOS/ III YEAR /EVEN/4/22-23
5.	CE6PE42	Construction Management & Entrepreneurship	* No changes are suggested in the syllabus.	BOS/ III YEAR /EVEN/5/22-23
6.	CE6PE43	Remote sensing & GIS	* No changes are suggested in the syllabus.	BOS/ III YEAR /EVEN/6/22-23
7.	CE6OE1	Conservation of Natural resources	* No changes are suggested in the syllabus.	BOS/ III YEAR /EVEN/7/22-23
8.	CE6OE2	Solid Waste Management	* No changes are suggested in the syllabus.	BOS/ III YEAR /EVEN/8/22-23
9.	CE6OE3	Alternative Building Materials	* No changes are suggested in the syllabus.	BOS/ III YEAR /EVEN/9/22-23



# Sri Siddhartha Institute Of Technology

(A Constituent college of Sri Siddhartha Academy of Higher Education, Tumkur)

Maralur, Tumkur – 572 105.

## BOS MEETING

10	CE6MP1	Mini Project-II	* No changes are suggested in the syllabus.	BOS/ III YEAR /EVEN/10/22-23
11	CE6LB1	Software Engineering Lab	* Suggested to add three more course objectives	BOS/ III YEAR /EVEN/11/22-23
12	CE6LB2	Construction Technology Lab & field visit	* Suggested to add the following experiments 1. Green building energy calculations 2. Study of Rain water harvesting of a building	BOS/ III YEAR /EVEN/12/22-23

Chairman BOS 29.6.22

Civil Engineering Department

**Professor & Head**  
Dept. Of Civil Engineering  
Sri Siddhartha Institute of Technology  
Maralur, TUMKUR-572 105.



# Sri Siddhartha Institute Of Technology

(A Constituent college of Sri Siddhartha Academy of Higher Education, Tumkur)

Maralur, Tumkur – 572 105.

## BOS MEETING

10	CE6MP1	Mini Project-II	* No changes are suggested in the syllabus.	BOS/ III YEAR /EVEN/10/22-23
11	CE6LB1	Software Engineering Lab	* Suggested to add three more course objectives	BOS/ III YEAR /EVEN/11/22-23
12	CE6LB2	Construction Technology Lab & field visit	* Suggested to add the following experiments 1. Green building energy calculations 2. Study of Rain water harvesting of a building	BOS/ III YEAR /EVEN/12/22-23

Chairman BOS 29.6.22

Civil Engineering Department

**Professor & Head**  
Dept. Of Civil Engineering  
Sri Siddhartha Institute of Technology  
Maralur, TUMKUR-572 105.



# SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY TUMAKURU-572105

(A Constituent College of Sri Siddhartha Academy of Higher Education, Accredited by NAAC "A" grade)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

(Accredited by NBA, New Delhi in Tier-I for Six Years 2017-2023)

Details of resolutions taken in Board of studies meeting for the year 2022-23

Department: ELECTRICAL AND ELECTRONICS ENGINEERING

Date: 02-07-2022

Sl No	Resolution Number	Agenda of the meeting	Decision Taken
1	SSIT/EEE/BoS/2022-23/01	Approval of the Scheme and syllabus for 1 year for 2020 scheme, Academic year 2022-23.	The Scheme and syllabus for 1 year in AY-2022-23 batch is presented and approved without any correction
2	SSIT/EEE/BoS/2022-23/02	Approval of the Minor Corrections in syllabus for 2 <sup>nd</sup> year of 2020 Scheme, Academic year 2022-23.	The Minor Corrections in syllabus for 2 <sup>nd</sup> year in AY-2022-23 batch is presented and approved with minor modification.
3	SSIT/EEE/BoS/2022-23/03	Approval of the Scheme and syllabus for 3 <sup>rd</sup> year of 2020 scheme, Academic year 2022-23.	The Scheme and syllabus for 3 <sup>rd</sup> year of 2020 batch in AY-2022-23 is presented and approved without any corrections.
4	SSIT/EEE/BoS/2022-23/04	Equivalent subjects of 2018 scheme and 2020 scheme for Academic year 2022-23.	Equivalent subjects of 2018 scheme and 2020 scheme for Academic year 2022-23 is presented and approved
5	SSIT/EEE/BoS/2022-23/05	Approval of the Lab Manuals for the Academic year 2022-23.	All the Lab Manuals for the Academic year 2022-23 were presented and approved

### Signature of BoS Members

Dr. L Sanjeev Kumar

*Dr. L Sanjeev Kumar*  
21/7/22

Prof. D Ravi Prasad

*Prof. D Ravi Prasad*  
21/7/22

Dr. G S Sheshadri

*Dr. G S Sheshadri*  
02.07.2022

Prof. Shilpa.G.N

*Prof. Shilpa.G.N*  
21/7/22

Dr. B Rajesh Kamath

*Not Present*

Prof. B. S. Yogananda

*Prof. B. S. Yogananda*  
21/7/22

Prof. Pradeep N

*Prof. Pradeep N*  
21/7/22

Dr. U Jayachandra Shenoy  
(Academics)

*Dr. U Jayachandra Shenoy*  
Present online

Prof. Srinath K

*Prof. Srinath K*  
21/07/22

Er. K. V. Kamath  
(Industry)

*Er. K. V. Kamath*  
Present online  
21/7/22

Prof. K.R.

Jagadeesha

*Prof. K.R. Jagadeesha*  
21/7/22

Er. Gowrishankar C K  
(Alumnus)

*Er. Gowrishankar C K*

*Dr. L Sanjeev Kumar*  
Chairman BOS

Dr. L. Sanjeev Kumar, Professor & Head, Chairman, Board of Studies. E-Mail : hodee@ssit.edu.in

Office: 0816-2200314 Ext: 201

Fax: 0816-2200999,

Mobile: 9845040167



# SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMAKURU-572105

(A Constituent College of Sri Siddhartha Academy of Higher Education, Accredited by NAAC "A" grade)

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

(Accredited by NBA)

**Dr. L. Sanjeev Kumar**, M.Tech., Ph.D.

Professor & Head

Chairman, Board of Studies

Office : 0816-2200314 Ext: 201

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E-Mail : sanjeev\_ssit@yahoo.co.in

Date: 02-07-2022

### Board of Studies (BoS)

The Board of Studies (BoS) in Electrical and Electronics Engineering met on 02/07/2022 at 10.00 am in Seminar Hall of Dept. of Electrical and Electronics Engineering, SSIT, Tumakuru to discuss at finalizing the

1. Scheme and Syllabus of Fifth & Sixth Semester B.E. Program of 2020 Batch.
2. Corrections in syllabus of First/Second/Third/Fourth/Seventh/Eighth Semester if any.

The following expert members from Academia and Organization participated in the meeting.

Sl.	Name	Designation and Address	Designation	Signature
1	Dr. L Sanjeev Kumar	Professor & Head, Dept. of E&EE	Chairman	
2	Dr. G S Sheshadri	Professor, Dept. of E&EE	Convener	
3	Dr. B Rajesh Kamath	Professor, Dept. of E&EE	Member	
4	Prof. Pradeep N	Asst. Professor, Dept. of E&EE	Coordinator	
5	Prof. Srinath K	Asst. Professor, Dept. of E&EE	Member	
6	Prof. K.R. Jagadeesha	Asst. Professor, Dept. of E&EE	Member	
7	Prof. D Ravi Prasad	Asst. Professor, Dept. of E&EE	Member	
8	Prof. Shilpa.G.N	Asst. Professor, Dept. of E&EE	Member	
9	Prof. B. S. Yogananda	Asst. Professor, Dept. of E&EE	Member	
10	Dr. U Jayachandra Shenoy (Academics)	Principal Reséarch Scientist Department of Electrical Engineering, Indian Institute of Science, Bengaluru-560012	Academic Representative -Ext.	
10	Er. K. V. Kamath (Industry)	Managing Director M/s Kamath Transformers Pvt. Ltd. B-124 3rd Cross I Stage Peenya Industrial Estate Bangalore - 560058	Industry Representative - Ext.	
10	Er. Gowrishankar C K (Alumnus)	Scientist-Engineer-SG Space Craft Check Out Group ISRO Satellite Centre, HAL Airport Road, Bengaluru-560017	Alumni Representative - Ext.	

Convener Bos

Chairman Bos



# Sri Siddhartha Institute Of Technology

(A Constituent college of Sri Siddhartha Academy of Higher Education , Tumkur)  
MaralurTumkur – 572 105.

BOS MEETING-for AY-2022-23

Details of resolutions taken in Board of studies meeting for the year 2022-23.

*Department: Electrical and Electronics Engineering*

Date: 02-07-2022

Sl No	Particulars	Decision Taken	Resolution Number
1	Approval of the Scheme and syllabus for 1 year for 2020 scheme, Academic year 2022-23.	APPROVED	SSIT/EEE/BoS/2022-23/01
2	Approval of the Minor Corrections in syllabus for 2 <sup>nd</sup> year of 2020 Scheme, Academic year 2022-23.	APPROVED	SSIT/EEE/BoS/2022-23/02
3	Approval of the Scheme and syllabus for 3 <sup>rd</sup> year of 2020 scheme, Academic year 2022-23.	APPROVED	SSIT/EEE/BoS/2022-23/03
4	Equivalent subjects of 2018 scheme and 2020 scheme for Academic year 2022-23.	APPROVED	SSIT/EEE/BoS/2022-23/04
5	Approval of the Lab Manuals for the Academic year 2022-23.	APPROVED	SSIT/EEE/BoS/2022-23/05

Chairman BOS



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**BOS MEETING-2022-23**

Details of Equivalent subjects accorded for 2018 and 2020 batch in Board of studies meeting for the year 2022-23.

Department: **ELECTRICAL AND ELECTRONICS ENGINEERING.**  
Date: 02-07-2022

Sl. No.	2018 Batch			2020 Batch		
	Subject Code	Subject	Credit	Subject Code	Subject	Credit
1.	ES-EE103/203	BASIC ELECTRICAL ENGINEERING	04	ES-EE103/203	BASIC ELECTRICAL ENGINEERING	04
2.	18EE303	ELECTRIC CIRCUIT ANALYSIS	04	EE3TH3	Electric Circuit Analysis	3
3.	18EE302	ANALOG ELECTRONIC CIRCUITS	04	EE3TH2	Analog and Digital Electronics	3
4.	18EE302	ANALOG ELECTRONIC CIRCUITS	04	EE3TH2	Analog and Digital Electronics	3
5.	18EE305	ELECTRICAL MEASUREMENTS & MEASURING INSTRUMENTS	03	EE3TH5	Electrical Measurements and Measuring Instruments	3
6.	18EE306	ELECTRIC POWER GENERATION TECHNOLOGY	03	EE3TH6	Electric Power Generation Technology	3
7.	18Ee307	Circuit Simulation and Measurements Lab	01	EE3LB2	Circuit Simulation and Measurements Lab	1.5
8.	18EE308	DC Machines and Synchronous Machines Lab	01	EE3LB3	DC Machines and Synchronous Machines Lab	1.5
9.	18EE406	ELECTRICAL POWER TRANSMISSION AND DISTRIBUTION	04	EE4TH6	Electrical Power Transmission and Distribution	3
10.	18EE403	CONTROL SYSTEMS	03	EE4TH3	Control Systems	3
11.	18EE404	FIELDS AND WAVES	04	EE4TH4	Fields and Waves	3
12.	18EE403	CONTROL SYSTEMS	04	EE4TH5	Transformers and Induction Machines	3
13.	18EE406	ELECTRICAL POWER TRANSMISSION AND DISTRIBUTION	04	EE4TH6	Electrical Power Transmission and Distribution	3
14.	18EE501	POWER ELECTRONICS	04			
15.	18EE502	SIGNALS AND SYSTEMS	03			
16.	18EE503	ELECTRICAL MACHINE DESIGN	04			
17.	18EE501	POWER ELECTRONICS	04			
18.	18EE504	MICROCONTROLLERS & ITS APPLICATIONS	04			
19.	18EE601	POWER SYSTEM ANALYSIS AND STABILITY	04			



**BOS MEETING-2022-23**

20.	18EE60 3	SWITCHGEAR AND HIGH VOLTAGE ENGINEERING	04			
21.	18EE60 3	SWITCHGEAR AND HIGH VOLTAGE ENGINEERING	04			
22.	18EE60 1	POWER SYSTEM ANALYSIS AND STABILITY	04			
23.	18EE70 1	COMPUTER TECHNIQUES IN POWER SYSTEMS	03			
24.	18EE70 2	AC AND DC DRIVES	03			

Equivalent Subjects defined for 4-Credits into 3-Credits is supported with Technical Seminar/Industrial Visit for 1 Credit

Signature of BoS Members

Dr. L Sanjeev Kumar

*Dr. L Sanjeev Kumar*  
2/7/22

Dr. G S Sheshadri

*G S Sheshadri*  
02.07.2022

Dr. B Rajesh Kamath

Not present

Prof. Pradeep N

*Pradeep N*  
2/7/22

Prof. Srinath K

*Srinath K*  
2/7/22

Prof. K.R. Jagadeesha

*K.R. Jagadeesha*  
2/7/22

Prof. D Ravi Prasad

*D Ravi Prasad*  
2/7

Prof. Shilpa.G.N

*Shilpa.G.N*  
2/7

Prof. B. S. Yogananda

*B. S. Yogananda*  
2/7/22

Dr. U Jayachandra Shenoy  
(Academics)

Er. K. V. Kamath (Industry)

Er. Gowrishankar C K  
(Alumnus)

*Dr. L Sanjeev Kumar*  
2/7/22  
Chairman BOS