


Agenda for 10th Meeting of Board of Studies for B. Tech. in Electrical and Electronics Engineering on 10-06-2019 @ 9:30 AM

1. Action taken report on minutes / resolutions of 9th BOS meeting
2. B. Tech. Academic Calendar for 2019-20
3. Vision and Mission of the Department, PEOs, POs and PSOs
4. Course Structure and Syllabi with Course Objectives & Outcomes and Lesson Plans of Courses of I B. Tech
5. Report on implementation of autonomy with respect to syllabi and regulations (SVEC16 I, II & III B. Tech. & SVEC14 IV B. Tech.)
6. Teaching, Learning and Evaluation
7. Research Activities
8. Faculty Development Activities
9. Staff Development Activities
10. Student Development Activities
11. Co-curricular Activities
12. Student Support Activities
13. Extension Activities
14. Any other item



Dr. T. Nageswara Prasad
Chairman (BOS)

SREE VIDYANIKETHAN ENGINEERING COLLEGE (Autonomous)

Sree Sainath Nagar, A. Rangampet-517 102

Department of Electrical & Electronics Engineering

Meeting of Board of Studies in B.Tech. Electrical Electronics Engineering

on
10th June 2019

Minutes of meeting:

BoS Members:

S. No.	Name	Designation
1	Dr. T. Nageswara Prasad Professor, Chairman, BoS, Dept. of EEE, SVEC	Chairman
2	Dr. V. Ganesh Professor of Electrical and Electronics Engineering JNTU College of Engineering, Pulivendula YSR Kadapa (Dt.)	JNTUA Nominee (Academics)
3	Dr. G. V. Marutheswar Professor of Electrical Engineering, SV University College of Engineering, Tirupathi - 517 502	External Member (Academics)
4	Dr. S. Sivanagaraju Professor of EEE, JNTU college of Engineering Kakinada, Kakinada, East Godavari (Dt.) - 533 006	External Member (Academics)
5	Mr. P. SessaSai Kumar Senior Engineer - Power Electronics, Enstin Labs, 14A & 15A, 1 st Floor, Emerald Chambers, Green Park Layout, Ramamurthy Nagar Main Road, Banaswadi Bengaluru - 560 043	External Member (Industry)
6	Mr. V. Sreedeeep Senior Lead Engineer Intel India Pvt. Ltd., No. 23-56, Devarabeeṣanahalli Outer Ring Road Varthur, Hobli, Bangalore - 560 103	External Member (Alumni)
7	Dr. M.S. Sujatha Professor & HOD, Dept. of EEE, SVEC	Internal Member
8	Dr. P. Umapathi Reddy Professor, Dept. of EEE, SVEC	Internal Member
9	Dr. S. Hema Chandra Professor, Dept. of EEE, SVEC	Internal Member
10	Dr. N.M.G. Kumar Professor, Dept. of EEE, SVEC	Internal Member
11	Dr. S. Farook Associate Professor, Dept. of EEE, SVEC	Internal Member
12	Dr. E. ParimalaSundar Associate Professor, Dept. of EEE, SVEC	Internal Member
13	Dr. G. Hari Krishnan Associate Professor, Dept. of EEE, SVEC	Internal Member

S. No.	Name	Designation
14	Dr. V. Arun Associate Professor, Dept. of EEE, SVEC	Internal Member
15	Dr. Avagaddi Prasad Associate Professor, Dept. of EEE, SVEC	Internal Member
16	Dr. I. Kumara Swamy Associate Professor, Dept. of EEE, SVEC	Internal Member
17	Dr. P. SrinivasaRao Associate Professor, Dept. of EEE, SVEC	Internal Member
18	Dr. A. Yasmine Begum Associate Professor, Dept. of EEE, SVEC	Internal Member
19	Dr. D. Suresh Babu Assistant Professor, Dept. of EEE, SVEC	Internal Member
20	Mr. M. Manohara Associate Professor, Dept. of EEE, SVEC	Internal Member

1. Action Taken Report on minutes/ resolutions of 9th BoS Meeting

The Chairman, BoS Dr. T. Nageswara Prasad presented the action taken report on resolutions of BoS meeting held on 26th May, 2018. After deliberations the members ratified the report.

2. B.Tech. Academic Calendar for 2019-20

The Chairman BoS presented the academic calendar for B.Tech for the academic year 2019-'20. The same is recommended to Academic Council without any modification.

3. Vision and Mission of the Department, PEOs, POs and PSOs

The Chairman, BoS has appraised the members about the Vision & Mission of the dept. and PEOs, POs & PSOs of B.Tech (EEE). The members approved the Vision & Mission of the dept. and PEOs, POs & PSOs of B.Tech (EEE). The approved vision, Mission PEOs of B.Tech. (EEE) program under SVEC19 regulations is sent to the Academic Council for perusal and ratification.

4. Course Structure and syllabi with course Objective & Outcomes and Lesson Plans of Courses of I B. Tech

The committee discussed the Model Curriculum-2018, Course Structure and Syllabi suggested by AICTE and the Course structure proposed by APSCHE. The Course Structure prepared, under SVEC-19 Regulations, in-line with AICTE Model Curriculum-2018 and the APSCHE is presented by Chairman, BOS and discussed. Also, the syllabus of the courses of I and II semesters of B.Tech. is presented and discussed. The following are the observations and suggestions made by the board on the syllabi and course structure proposed by the department:

- The BEEE (Theory) and BEEE (Lab) course in I-I Semester of B.Tech. is common for all the branches of Engineering in SVEC.

- Board suggested to incorporate the topics inverter and UPS (Block diagram approach only) and also suggested to replace the topic BEE standards with Energy Star Ratings in BEEE (Theory) I-I Semester of B.Tech.
- Board suggested to look into the possibilities of incorporating soldering practice for the electronics portion in BEEE (Lab) I-I Semester of B.Tech.
- Board suggested to specify the objective of the lab experiment Series and Parallel resonance as title of the experiment in the course Electric Circuit Lab.
- Board suggested to swap the course Energy Audit, Conservation & Management course which is in III-II with Power Quality in III-I.
- Board suggested to design the Minor Degree programs for EEE students to broaden their career opportunities (Higher studies and the job market).
- Suggested to look into the possibilities of introducing Power System Optimization course in the power system group of Professional Elective.
- Suggested to have the course title as "Modular Multilevel Converter" instead of "Multilevel Inverter" in Honour degree program.

The board approves to implement SVEC-19 Regulations and Course Structure for the batches being admitted from the AY 2019-2020 by implementing the "Induction Programme" of 3 weeks duration as suggested by AICTE. The revised course structure of B.Tech. (EEE) is approved for I Year only. However, board unanimously agreed to view the course structure of II, III and IV B.Tech. as tentative and requested the Chairman to revised course structure in the next BOS for discussion and approval. The board authorizes the Chairman, BoS to prepare and submit the Model question papers and panel of question paper setters for theory courses as and when demanded by the Chairman, Academic Council or Chief Controller of Exams.

5. Report on implementation of autonomy with respect to syllabi and regulations (SVEC16, I, II & III B. Tech. & SVEC14 IV B.Tech.)

The Chairman BOS appraised the board about the implementation of Autonomy with respect to syllabi and regulations of SVEC-16, I, II & III B. Tech. & SVEC-14 IV B.Tech.. The board perused the report and ratified the report. The board congratulated the college authorities for successful implementation of III B.Tech SVEC-16 regulations.

6. Teaching, Learning and Evaluation

The Chairman BoS presented the teaching, learning and evaluation practices followed in the department. The members of BOS appreciated the good practices being followed by the department in terms of conducting diagnostic test, formative tests and the Mid exams. The Assessment manual is discussed and ratified by the BoS and is sent to the Academic Council for approval

7. Research Activities

The Chairman BOS has briefed the members about the state-of-the art equipment procured for research purpose, proposals submitted by the faculty for research funding and the publications made by the faculty of EEE. The members appreciated the efforts made by the faculty and department.

8. Faculty Development Activities

The Chairman appraised the board about the research publications/ presentations by the faculty, faculty incentives, FDPs attended, FDPs organized, and student feedback on faculty. The members have appreciated the efforts of the department and suggested to continue the same. The Chairman BoS assured the members that the efforts in this direction will be intensified.

9. Staff Development Activities

The board is appraised with the information about staff development programs organized and attended. The members have appreciated the efforts of the department and suggested to continue the same.

10. Students Development Activities

The members perused and noted the information provided on Guest and Expert Lectures organized, Add-on/workshop courses conducted and student paper publications. The members appreciated the student centric activities of the department.

11. Student Support Activities

The members noted the information on good practices such as Counseling Mechanism, CPRS, Training Activities by the companies, Campus selections, company visited for placement, Entrepreneurship activities, and IIIC activities followed all round growth and development of students.

12. Extension Activities

The members have perused, noted and appreciated the efforts of department / college in organizing professional, technical and community development activities. The BoS members have suggested continuing the same. They suggested to encourage students to participate in more number of community activities so that they get integrated with society.

13. Any other item:

Members suggested to

- a. Conduct skill oriented courses as add-on for students.
- b. Organize certificate programs.
- c. arrange internships for students to increase their employability.

The members appreciated the pro-active approach of college management and efforts taken by department for the growth of the department.

BoS chairman is empowered to change the context of the syllabus as on when required with the information to the BoS members.

BoS Members Present:

S. No.	Name	Designation	Signature
1	Dr. T. Nageswara Prasad Professor, Chairman, BoS, Dept. of EEE, SVEC	Chairman	T.N.Prasad
2	Dr. V. Ganesh Professor of Electrical and Electronics Engineering JNTU College of Engineering, Pulivendula YSR Kadapa (Dt.)	JNTUA Nominee (Academics)	V. Ganesh
3	Dr. G. V. Marutheswar Professor of Electrical Engineering, SV University College of Engineering, Tirupathi - 517 502	External Member (Academics)	Not Attended
4	Dr. S. Sivanagaraju Professor of EEE, JNTU college of Engineering Kakinada, Kakinada, East Godavari (Dt.) - 533 006	External Member (Academics)	Not Attended
5	Mr. P. SessaSai Kumar Senior Engineer - Power Electronics, Enstin Labs, Bengaluru - 560 043	External Member (Industry)	Not Attended
6	Mr. V. Sreedeeep Senior Lead Engineer Intel India Pvt. Ltd., No. 23-56, Devarabeesanahalli Outer Ring Road, Varthur, Hobli Bangalore - 560 103	External Member (Alumni)	Not Attended.
7	Dr. M.S. Sujatha Professor & HOD, Dept. of EEE, SVEC	Internal Member	M.S. Sujatha
8	Dr. P. Umapathi Reddy Professor, Dept. of EEE, SVEC	Internal Member	P. Umapathi Reddy
9	Dr. S. Hema Chandra Professor, Dept. of EEE, SVEC	Internal Member	S. Hema Chandra
10	Dr. N.M.G. Kumar Professor, Dept. of EEE, SVEC	Internal Member	N.M.G. Kumar
11	Dr. S. Farook Associate Professor, Dept. of EEE, SVEC	Internal Member	S. Farook
12	Dr. E. ParimalaSundar Associate Professor, Dept. of EEE, SVEC	Internal Member	E. ParimalaSundar
13	Dr. G. Hari Krishnan Associate Professor, Dept. of EEE, SVEC	Internal Member	G. Hari Krishnan
14	Dr. V. Arun Associate Professor, Dept. of EEE, SVEC	Internal Member	V. Arun
15	Dr. Avagaddi Prasad Associate Professor, Dept. of EEE, SVEC	Internal Member	A. Prasad
16	Dr. I. Kumara Swamy Associate Professor, Dept. of EEE, SVEC	Internal Member	I. Kumara Swamy
17	Dr. P. SrinivasaRao Associate Professor, Dept. of EEE, SVEC	Internal Member	P. SrinivasaRao
18	Dr. A. Yasmine Begum Associate Professor, Dept. of EEE, SVEC	Internal Member	A. Yasmine Begum
19	Dr. D. Suresh Babu Assistant Professor, Dept. of EEE, SVEC	Internal Member	D. Suresh Babu
20	Mr. M. Manohara Associate Professor, Dept. of EEE, SVEC	Internal Member	M. Manohara

SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)

SREE SAINATH NAGAR, A. RANGAMPET -517 102.

Department of Electrical and Electronics Engineering

Approved Course Structure

Program: B.Tech. – Electrical and Electronics Engineering

Regulations: SVEC – 19

I B.Tech.- I Semester

Sl. No.	Course Code	Course Title	Contact Periods per week				Credits (C)	Scheme of Examination Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	19BT1BS01	Differential Equations and Multivariable Calculus	3	1	-	4	4	40	60	100
2.	19BT1BS02	Biology for Engineers	2	-	-	2	2	40	60	100
3.	19BT1BS03	Engineering Physics	3	-	-	3	3	40	60	100
4.	19BT10341	Basic Civil and Mechanical Engineering	3	-	-	3	3	40	60	100
5.	19BT10201	Basic Electrical and Electronics Engineering	3	-	-	3	3	40	60	100
6.	19BT1BS31	Engineering Physics Lab	-	-	2	2	1	50	50	100
7.	19BT10231	Basic Electrical and Electronics Engineering Lab	-	-	2	2	1	50	50	100
8.	19BT20331	Engineering Workshop	-	-	2	2	1	50	50	100
			14	1	6	21	18	35	450	800
9.	19BT1AC01	Spoken English	2	-	-	2	-	-	-	-

SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)

SREE SAINATH NAGAR, A. RANGAMPET -517 102.

Department of Electrical and Electronics Engineering

I B.Tech.- IISemester

Sl. No.	Course Code	Course Title	Contact Periods per week				Credits (C)	Scheme of Examination Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	19BT2BS01	Transformation Techniques and Linear Algebra	3	1	-	4	4	40	60	100
2.	19BT1BS04	Engineering Chemistry	3	-	-	3	3	40	60	100
3.	19BT1HS01	Communicative English	3	-	-	3	3	40	60	100
4.	19BT10501	Programming for Problem Solving	3	1	-	4	4	40	60	100
5.	19BT20201	Electric Circuits	3	1	-	4	4	40	60	100
6.	19BT1BS32	Engineering Chemistry Lab	-	-	2	2	1	50	50	100
7.	19BT1HS31	Communicative English Lab	-	-	2	2	1	50	50	100
8.	19BT10331	Computer Aided Engineering Drawing	-	1	2	3	2	50	50	100
9.	19BT10531	Programming for Problem Solving Lab	-	-	2	2	1	50	50	100
10.	19BT20231	Electric Circuits Lab	-	-	2	2	1	50	50	100
Total:			15	4	10	29	24	450	550	1000

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Department of Electrical and Electronics Engineering

II B.Tech.- I Semester

Sl. No.	Course Code	Course Title	Contact Periods per week				Credits (C)	Scheme of Examination Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	19BT3BS02	Special Functions and Complex Analysis	3	1	-	4	4	40	60	100
2.	19BT30402	Electronic Devices and Circuits	3	-	-	3	3	40	60	100
3.	19BT30201	Electrical Machines-I	3	1	-	4	4	40	60	100
4.	19BT30202	Electromagnetic Fields	3	-	-	3	3	40	60	100
5.	19BT30203	Signals and Networks	3	-	-	3	3	40	60	100
6.	19BT3HS31	Soft Skills Lab	-	-	2	2	1	50	50	100
7.	19BT30432	Electronic Devices and Circuits Lab	-	-	2	2	1	50	50	100
8.	19BT30231	Electrical Machines-I Lab	-	-	2	2	1	50	50	100
9.	19BT30232	Signals and Networks Lab	-	-	2	2	1	50	50	100
Total:			15	2	8	25	21	400	500	900
10.	19BT3MC01	Environmental Science	2	-	-	2	-	40	-	40

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II B.Tech.- II Semester

Sl. No.	Course Code	Course Title	Contact Periods per week				Credits (C)	Scheme of Examination Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	19BT40441	Analog Electronics	3	-	-	3	3	40	60	100
2.	19BT40201	Digital Electronics	3	-	-	3	3	40	60	100
3.	19BT40202	Electrical Machines-II	3	1	-	4	4	40	60	100
4.	19BT40203	Electrical Measurements	3	-	-	3	3	40	60	100
5.	19BT40204	Transmission and Distribution	3	-	-	3	3	40	60	100
6.	Open Elective-1		3	-	-	3	3	40	60	100
7.	19BT40231	Digital Electronics Lab	-	-	2	2	1	50	50	100
8.	19BT40232	Electrical Engineering Workshop	-	-	2	2	1	50	50	100
9.	19BT40233	Electrical Machines-II Lab	-	-	2	2	1	50	50	100
Total:			18	1	6	25	22	390	510	900
10.	19BT315AC	Design Thinking	2	-	-	2	-	-	-	-

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Department of Electrical and Electronics Engineering

III B.Tech. - I Semester

Sl. No.	Course Code	Course Title	Contact Periods per week				Credits (C)	Scheme of Examination Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	19BT40403	Linear and Digital IC Applications	3	-	-	3	3	40	60	100
2.	19BT50201	Control Systems	3	-	-	3	3	40	60	100
3.	19BT50202	Switchgear and Protection	3	-	-	3	3	40	60	100
4.	Professional Elective-1									
	19BT50203	Electrical Machine Design	3	-	-	3	3	40	60	100
	19BT50204	Energy Systems								
	19BT50205	Instrumentation								
	19BT50206	PIC Microcontrollers								
5.	Open Elective-2		3	-	-	3	3	40	60	100
6.	Inter Disciplinary Elective-1									
	19BT50442	Principles of Communications	3	-	-	3	3	40	60	100
	19BT71002	PLC and SCADA								
	19BT51041	Sensors and Signal Conditioning								
	19BT50207	Computer Organization and Architecture								
7.	19BT61531	Internet of Things (IoT) Lab	-	1	2	3	2	50	50	100
8.	19BT40433	Linear and Digital IC Applications Lab	-	-	2	2	1	50	50	100
9.	19BT50231	Socially Relevant Project-1	-	-	-	-	1	50	50	100
Total:			18	1	4	23	22	390	510	900
10.	19BT503AC	Foundations of Entrepreneurship	2	-	-	2	-	-	-	-

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Department of Electrical and Electronics Engineering

III B.Tech. - II Semester

Sl. No.	Course Code	Course Title	Contact Periods per week				Credits (C)	Scheme of Examination Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	19BT6HS01	Principles of Business Economics and Accountancy	3	-	-	3	3	40	60	100
2.	19BT60201	Power Electronics	3	-	-	3	3	40	60	100
3.	19BT60202	Power System Analysis	3	-	-	3	3	40	60	100
4.	Professional Elective-2									
	19BT60203	Advanced Control Systems								
	19BT60204	Digital Signal Processing for Electrical Engineering	3	-	-	3	3	40	60	100
	19BT60205	Energy Audit Conservation and Management								
	19BT60206	High Voltage Engineering								
5.	Professional Elective-3									
	19BT50403	VLSI Design								
	19BT60207	Design and Estimation of Electrical Systems	3	-	-	3	3	40	60	100
	19BT60208	Distributed Generation and Microgrid								
	19BT60209	Smart Grid Technology								
6.	Inter Disciplinary Elective-2									
	19BT50406	FPGA Architectures and Applications								
	19BT60407	Image Processing	3	-	-	3	3	40	60	100
	19BT61003	Industrial Data Communication								
	19BT50408	Microelectromechanical Systems								
7.	19BT60231	Electrical CAD Lab	-	-	2	2	1	50	50	100
8.	19BT60232	Power Systems-1 Lab	-	-	2	2	1	50	50	100
9.	19BT60233	Socially Relevant Project-2	-	-	-	-	1	50	50	100
Total:			18	0	4	22	21	390	510	900
10.	19BT5MC01	Universal Human Values	2	-	-	2	-	40	-	40

SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)

SREE SAINATH NAGAR, A. RANGAMPET -517 102.

Department of Electrical and Electronics Engineering

IV B.Tech.- I Semester

Sl. No.	Course Code	Course Title	Contact Periods per week				Credits (C)	Scheme of Examination Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	19BT6HS02	Organizational Behavior	3	-	-	3	3	40	60	100
2.	19BT70201	Power System Operation and Control	3	-	-	3	3	40	60	100
3.	19BT70202	Solid State Drives	3	-	-	3	3	40	60	100
4.	Professional Elective-4									
	19BT70401	Embedded Systems								
	19BT70203	Analysis of Power Electronic Converters	3	-	-	3	3	40	60	100
	19BT70204	Electric Vehicles								
	19BT70205	Power System Automation								
5.	Professional Elective-5									
	19BT70206	HVDC and FACTS								
	19BT70207	Power Electronics for Renewable Energy Systems	3	-	-	3	3	40	60	100
	19BT70208	Soft Computing Techniques								
	19BT70209	Special Electrical Machines								
6.	19BT7MOOC	MOOC	-	-	-	-	3	-	100	100
7.	19BT70231	Power Electronics and Drives Lab	-	-	2	2	1	50	50	100
8.	19BT70232	Power Systems-2 Lab	-	-	2	2	1	50	50	100
9.	19BT70233	Internship	-	-	-	-	2	--	100	100
Total:			15	0	4	19	22	300	600	900
10.	19BT702AC	Probability and Statistics	2	-	-	2	-	-	-	-

* Student shall undertake the Industrial Training/Internship/Research Projects in National Laboratories/Academic Institutions for a minimum period of 4 weeks.

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Department of Electrical and Electronics Engineering

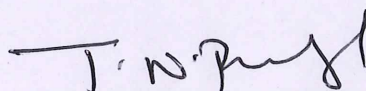
IV B.Tech. - II Semester

Sl. No	Course Code	Course Title	Contact Periods per week				Credits (C)	Scheme of Examination Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	19BT80231	Project Work	-	-	-	-	10	100	100	200
Total:			-	-	-	-	10	100	100	200

LIST OF COURSES FOR

OPEN ELECTIVE-1 and OPEN ELECTIVE-2

Course Code	Open Elective -1	Course Code	Open Elective -2
19BT4BS01	Material Science	19BT4HS01	Banking and Insurance
19BT4HS02	Business Communication and Career Skills	19BT4HS03	Cost Accounting and Financial Management
19BT4HS04	Entrepreneurship for Micro, Small and Medium Enterprises	19BT4HS05	Gender and Environment
19BT4HS06	German Language	19BT4HS07	Indian Economy
19BT4HS08	Indian History	19BT4HS09	Life Skills
19BT4HS10	Personality Development	19BT4HS11	Professional Ethics
19BT4HS12	Women Empowerment	19BT4HS13	Indian Tradition and Culture
19BT4HS14	Constitution of India	19BT40106	Disaster Mitigation and Management
19BT40205	Reliability and Safety Engineering	19BT40107	Sustainable Engineering
19BT50107	Environmental Pollution and Control	19BT40108	Contract Laws and Regulations
19BT50108	Planning for Sustainable Development	19BT40306	Global Strategy and Technology
19BT50109	Rural Technology	19BT40307	Management Science
19BT50505	Ethical Hacking	19BT40504	Cyber Laws and Security
19BT51207	AI in Healthcare	19BT50208	Intellectual Property Rights
19BT51506	Bioinformatics	19BT50409	Green Technologies


CHAIRMAN, BOS-EEE

SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)

SREE SAINATH NAGAR, A. RANGAMPET -517 102.

Department of Electrical and Electronics Engineering

MINOR/HONORS DEGREE PROGRAM

IN ELECTRIC VEHICLES

Semester	Course Code	Course Title	Minor/Honors	Contact Periods per week				Credits (C)	Scheme of Examination Max. Marks		
				L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
III-I	19BT50209	Fundamentals of Power Electronics and Drives	M	3	-	-	3	3	40	60	100
	19BT50210	Propulsion Machines in Electric Vehicles	M/H	3	-	-	3	3	40	60	100
	19BT50342	Vehicle Dynamics	M/H	3	-	-	3	3	40	60	100
	19BT50232	Power Electronics Lab	M	-	-	2	2	1	50	50	100
III-II	19BT60210	Controllers for Power Electronic and Drive Systems	M	3	-	-	3	3	40	60	100
	19BT60211	Energy Storage Devices	M/H	3	-	-	3	3	40	60	100
	19BT60212	Switched Mode Power Supplies	M/H	3	-	-	3	3	40	60	100
	19BT60234	Finite Element Analysis for Propulsion Motor Lab	M/H	-	-	2	2	1	50	50	100
IV-I	19BT70210	Advanced Electric Drives	M/H	3	-	-	3	3	40	60	100
	19BT70211	Energy Management and Optimization Techniques	M/H	3	-	-	3	3	40	60	100
	19BT70212	Intelligent Controllers for Electric Vehicles	M/H	3	-	-	3	3	40	60	100
	19BT70234	Control of Electric Vehicles Lab	M/H	-	-	2	2	1	50	50	100

Note: If the student has already pursued a course from the above list in their curriculum then he/she is NOT eligible to opt for the same in Minor/Honor Degree.

Honors – 6T + 2L (20 Credits)

Minor – 5T + 3L (18 Credits)

SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)

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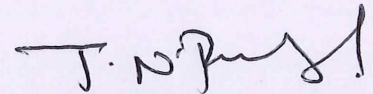
Department of Electrical and Electronics Engineering

LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Electrical and Electronics Engineering

Regulations: SVEC – 19 (upto II B.Tech - II semester)

19BT10201	Basic Electrical and Electronics Engineering
19BT10231	Basic Electrical and Electronics Engineering Lab
19BT10341	Basic Civil and Mechanical Engineering
19BT10501	Programming for Problem Solving
19BT10531	Programming for Problem Solving Lab
19BT1BS02	Biology for Engineers
19BT1AC01	Spoken English
19BT315AC	Design Thinking
19BT40231	Digital Electronics Lab
19BT40232	Electrical Engineering Workshop
19BT4BS01	Material Science
19BT4HS05	Gender and Environment
19BT4HS09	Life Skills
19BT4HS11	Professional Ethics
19BT4HS12	Women Empowerment
19BT40107	Sustainable Engineering



CHAIRMAN, BOS-EEE