

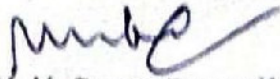
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SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)
SREE SAINATH NAGAR, A. RANGAMPET - 517102

Department of Computer Science & Engineering

Agenda for the 8th Meeting of Board of Studies for U.G Program
B. Tech. (C.S.E) on 24.3.2017 at 9.30 AM

1. Action taken report on minutes/resolutions of 7th BOS meeting.
2. Report on implementation of autonomy with respect to syllabi and regulations for B.Tech (CSE) program (SVEC-16 I-B.Tech and SVEC-14 III B.Tech)
3. B.Tech (CSE) Academic Calendar for 2017-18
4. Vision and Mission of the Department, PEOs, POs, and PSOs, Administrative Setup for B.Tech (CSE) Program.
5. Course structure and syllabi with course objectives and outcomes, lesson plans of Courses for II, III and IV B.Tech (CSE) program
6. Teaching, Learning and Evaluation Process
7. Research Activities.
8. Faculty Development Activities.
9. Staff Development Activities
10. Student Development Activities.
11. Student Support Systems.
12. Extension Activities.
13. Any other item.


(Dr. V. V. Rama Prasad)
Chairman, BOS (CSE)

CHAIRMAN, B.O.S,
COMPUTER SCIENCE & ENGINEERING
SREE VIDYANIKETHAN ENGINEERING COLLEGE
Sree Sainath Nagar
Near TIRUPATI - 5

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SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)
SREE SAINATH NAGAR, A. RANGAMPET - 517102



Department of Computer Science & Engineering

Board of Studies in Computer Science & Engineering (2016-2017)

Sub: 8th Meeting of BOS (CSE) for U.G Program B.Tech (CSE) held on 24-03-2017

Members Present:

S. No	Name	Designation	Signature
1.	Dr. V.V. Rama Prasad Professor of CSE	Chairman, BOS (CSE)	
2.	Dr. M. Rajasekhar Babu Professor of Computer Science, School of Computer Science, and Engineering, V.I.T. University, VELLORE - 632 014 (T.N)	External Member (Nominated by Academic Council)	
3.	Mr. A. Jayaprakash Principal Software Engineer, Oracle India Pvt. Ltd., Plot No. 18,19,21, Survey No. 64 (Part) HITEC City, HYDERABAD - 500 081	Alumni Member	
4.	Dr. M. Sunil Kumar Associate Professor & Head, CSE Dept., SVEC	Internal Member	
5.	Dr. A. Senguttuvan Professor CSE Dept, SVEC	Internal Member	
6.	Mr. Shaik Salam Associate Professor, CSE Dept, SVEC	Internal Member	
7.	Mr. A.V. Sriharsha Associate Professor, CSE Dept, SVEC	Internal Member	
8.	Dr. G. Sunitha Associate Professor, CSE Dept, SVEC	Internal Member	
9.	Dr. M. Sakthivel Associate Professor, CSE Dept, SVEC	Internal Member	
10.	Dr. J. Avanija Associate Professor, CSE Dept, SVEC	Internal Member	
11.	Dr. V. Anantha Natarajan Associate Professor, CSE Dept, SVEC	Internal Member	
12.	Dr. K. Reddy Madhavi Associate Professor, CSE Dept., SVEC	Internal Member	
13.	Mr. K. Munivara Prasad Assistant Professor (SL), CSE Dept, SVEC	Internal Member	
14.	Mr. T. Gnanaprakasam Assistant Professor (SL), CSE Dept, SVEC	Internal Member	
15.	Mr. K. Siva Krishna Rao Assistant Professor (SL), CSE Dept, SVEC	Internal Member	

**CHAIRMAN, B.O.S.,
COMPUTER SCIENCE & ENGINEERING
SREE VIDYANIKETHAN ENGINEERING COLLEGE
Sree Sainath Nagar, A. Rangampet
TIRUPATI - 517 102, A.P.**

UG17

SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)
SREE SAINATH NAGAR, TIRUPATI - 517 102



Department of Computer Science and Engineering

Minutes of the 8th Meeting of B.O.S. (C.S.E) for the UG Program
B.Tech (CSE) conducted on 24.03.2017 @ 10.00 AM

1. Members of the B.O.S were apprised of the Action Taken Report on minutes of the 7th B.O.S meeting held on 22.04.2016.
2. Report on implementation of autonomy for I B.Tech (CSE) with respect to SVEC-16 regulations is presented to the members of B.O.S.
3. Members of B.O.S have been apprised that the Chairman, Academic Council is empowered to finalize the academic calendar pertaining to I and II semesters of B.Tech (CSE) Program for the academic year 2017-18.

The Academic Calendar pertaining to II, III and IV B.Tech (I&II-Semesters) for the academic year 2017-18 **is approved** by the members of B.O.S.

4. Members of the B.O.S were apprised of the Vision and Mission of the department, Program Educational Objectives (PEOs), Program Outcomes (POs), Program Specific Outcomes (PSOs), and the academic set up for syllabi preparations of II, III and IV B.Tech (CSE) under SVEC-16 regulations.

Members noted and appreciated the same

5. Members have been apprised of the administrative setup for framing syllabus for B.Tech (CSE) program in the department of CSE.

Members noted and **approved** the same

6. The detailed syllabus and lesson plans, prepared by the CSE and other departments for the all the courses (Core, Professional Elective, Interdisciplinary electives and Open-Elective) of II, III and IV B.Tech (CSE) is presented to the members.

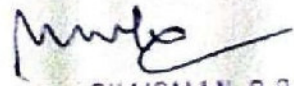
Members perused and approved the detailed syllabus, and lesson plans for all the courses of II, III, and IV B.Tech (CSE) prepared by the CSE department.

7. Members have been apprised of the Teaching, Learning and Evaluation practices at S.V.E.C, specifically in C.S.E. Department for the B.Tech (C.S.E) program.

Members noted and appreciated the same.

8. The ongoing Research Activities (Thrust areas of research, Research mentoring Committee, Technical talks, Research proposals and projects) have been noted by the members.

Members appreciated the same.


CHAIRMAN, B.O.S.
COMPUTER SCIENCE & ENGINEERING
SREE VIDYANIKETHAN ENGINEERING COLLEGE
Sree Sainath Nagar, - Rangampet
Near TIRUPATI - 517 102, A.P.

24/7

9. Members of B.O.S have been apprised of the Faculty Development Programs conducted and sponsored in the Department during 2016-17.

Members appreciated the same.

10. Members of B.O.S have been apprised of the student development activities conducted during 2016-17 in the Department.

Members noted and appreciated the same.

11. Members of B.O.S have been apprised of the student support systems (Counseling, Extra-curricular activities, Games and Sports, Grievances etc.) functioning at the college and department level.

Members noted and appreciated the same.

12. Members of B.O.S have been apprised of the extension activities (NSS/Outreach) organized at the college and department level during 2016-17.

Members noted and appreciated the same.

13. Any other item.

Following Suggestions were given by the external members of B.O.S:

- i) Suggested to offer Soft Skills Lab in III B.Tech curriculum also.
- ii) Suggested to conduct workshops/guest lectures on advanced courses Big data Analytics, Cloud Computing and Internet of things
- iii) Suggested to offer the courses – Computer Forensics, Bigdata Analytics and Internet of Things as CORE courses instead of Electives
- iv) Advised to restrict the course outcomes to maximum of FOUR per course
- v) Suggested to include R-Programming in the syllabus of Big Data Analytics Course


Chairman

Board of Studies, CSE
SREE VIDYANIKETHAN ENGINEERING COLLEGE
Sree Sainath Nagar, A. RANGAMPET
CHITTOOR (Dt)-517 102, A.P

Approved Course Structure

Program: B.Tech.- Computer Science and Engineering

Regulations: SVEC-16

S. No	Course Code	Course Title	Contact Periods/ Week				Credits (C)	Scheme of Examination Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
I Year - I Semester										
1.	16BT1HS01	Technical English	3	1	-	4	3	30	70	100
2.	16BT1BS01	Engineering Chemistry	3	1	-	4	3	30	70	100
3.	16BT1BS03	Matrices and Numerical Methods	3	1	-	4	3	30	70	100
4.	16BT1BS04	Multi-variable calculus and Differential equations	3	1	-	4	3	30	70	100
5.	16BT10501	Programming In C	3	1	-	4	3	30	70	100
6.	16BT1HS31	English Language Lab	-	-	3	3	2	50	50	100
7.	16BT1BS31	Engineering Chemistry Lab	-	-	3	3	2	50	50	100
8.	16BT10331	Computer Aided Engineering Drawing	-	1	6	7	3	50	50	100
9.	16BT10531	Programming In C Lab	-	-	3	3	2	50	50	100
	Total		15	6	13	36	24	350	550	900

S. No.	Course Code	Course Title	Contact Periods/ Week				Credits (C)	Scheme of Examination		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
II Year - II Semester										
1.	16BT3HS01	Environmental Studies	3	-	-	3	3	30	70	100
2.	16BT40501	Computer Graphics	3	1	-	4	3	30	70	100
3.	16BT40502	Database Management Systems	3	1	-	4	3	30	70	100
4.	16BT41201	Design and Analysis of Algorithms	3	1	-	4	3	30	70	100
5.	16BT41202	Java Programming	3	1	-	4	3	30	70	100
6.	16BT41203	Software Engineering	3	1	-	4	3	30	70	100
7.	16BT40531	Database Management Systems Lab	-	-	3	3	2	50	50	100
8.	16BT31231	Java Programming Lab	-	-	3	3	2	50	50	100
9.	16BT4HS31	Soft Skills Lab	-	-	3	3	2	50	50	100
Total			18	5	9	32	24	330	570	900

S. No.	Course Code	Course Title	Contact Periods/ Week				Credits (C)	Scheme of Examination Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
III Year - I Semester (CSE)										
1.	16BT5HS01	Management Science	3	1	-	4	3	30	70	100
2.	16BT50501	Computer Networks	3	1	-	4	3	30	70	100
3.	16BT50502	Linux Programming	3	1	-	4	3	30	70	100
4.	16BT51202	Object Oriented Analysis and Design	3	1	-	4	3	30	70	100
5.	16BT41204	Theory of Computation	3	1	-	4	3	30	70	100
6.	Interdisciplinary Elective- 1		3	1	-	4	3	30	70	100
	16BT50442	Micro Processors and Interfacing								
	16BT50503	Computer Vision								
	16BT50504	Data Communications								
	16BT51541	Modeling and Simulation								
7.	16BT50531	Computer Networks Lab	-	-	3	3	2	50	50	100
8.	16BT50532	Linux Programming Lab	-	-	3	3	2	50	50	100
9.	16BT50533	Object Oriented Analysis and Design Lab	-	-	3	3	2	50	50	100
Total			18	6	9	33	24	330	570	900

S. No	Course Code	Course Title	Contact Periods/ Week				Credits (C)	Scheme of Examination Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
III Year - II Semester										
1.	16BT3HS02	Managerial Economics and Principles of Accountancy	3	1	-	4	3	30	70	100
2.	16BT61501	Data Warehousing and Data Mining	3	1	-	4	3	30	70	100
3.	16BT60501	Software Testing	3	1	-	4	3	30	70	100
4.	Inter Disciplinary Elective-2		3	1	-	4	3	30	70	100
	16BT70402	Embedded Systems								
	16BT50341	Optimization Techniques								
	16BT60502	Soft Computing								
	16BT60503	Wireless Networks								
5.	Program Elective-1		3	1	-	4	3	30	70	100
	16BT71210	High Performance Computing								
	16BT71202	Mobile Application Development								
	16BT71204	Mobile Computing								
	16BT60504	Principles of Programming Languages								
	Open Elective		3	1	-	4	3	30	70	100
7.	16BT61531	Data Warehousing and Data Mining Lab	-	-	3	3	2	50	50	100
8.	16BT60531	Software Testing Lab	-	-	3	3	2	50	50	100
9.	16BT60532	Seminar		-	-	-	2	-	100	100
10.	16BT6MOOC	MOOC	-	-	-	-	-	-	-	-
	Total		18	6	6	30	24	280	620	900

Sl. No.	Course Code	Open Elective Course Title	Sl. No.	Course Code	Open Elective Course Title
1.	16BT6HS01	Banking and Insurance	16.	16BT60114	Disaster Mitigation and Management
2.	16BT6HS02	Business Communication and Career Skills	17.	16BT60115	Environmental Pollution and Control
3.	16BT6HS03	Cost Accounting and Financial Management	18.	16BT60116	Planning for Sustainable Development
4.	16BT6HS04	Entrepreneurship for Micro, Small and Medium Enterprises	19.	16BT60117	Professional Ethics
5.	16BT6HS05	French Language	20.	16BT60118	Rural Technology
6.	16BT6HS06	German Language	21.	16BT60308	Global Strategy and Technology
7.	16BT6HS07	Indian Constitution	22.	16BT60309	Intellectual Property Rights and Management
8.	16BT6HS08	Indian Economy	23.	16BT60310	Managing Innovation and Entrepreneurship
9.	16BT6HS09	Indian Heritage and Culture	24.	16BT60311	Materials Science
10.	16BT6HS10	Indian History	25.	16BT70412	Green Technologies
11.	16BT6HS11	Personality Development	26.	16BT70413	Introduction to Nanoscience and Technology
12.	16BT6HS12	Philosophy of Education	27.	16BT60505	Engineering System Analysis and Design
13.	16BT6HS13	Public Administration	28.	16BT71011	Micro-Electro-Mechanical Systems
14.	16BT60112	Building Maintenance and Repair	29.	16BT61205	Cyber Security and Laws
15.	16BT60113	Contract Laws and Regulations	30.	16BT61505	Bio-Informatics

S. No	Course Code	Course Title	Contact Periods/ Week				Credits (C)	Scheme of Examination Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
IV Year - I Semester										
1.	16BT61201	Cloud Computing	3	1	-	4	3	30	70	100
2.	16BT51501	Compiler Design	3	1	-	4	3	30	70	100
3.	16BT51203	Web Technologies	3	1	-	4	3	30	70	100
4.	Program Elective-2		3	1	-	4	3	30	70	100
	16BT70501	Big Data Analytics								
	16BT71205	Cryptography and Network Security								
	16BT70502	Ethical Hacking								
	16BT61503	Software Project Management								
5.	Program Elective-3		3	1	-	4	3	30	70	100
	16BT70503	Computer Forensics								
	16BT70504	Design Patterns								
	16BT71508	Internet of Things								
	16BT71208	Service Oriented Architecture								
6.	Program Elective-4		3	1	-	4	3	30	70	100
	16BT70505	Human Computer Interaction								
	16BT71203	Information Retrieval Systems								
	16BT70506	Multimedia Application Development								
	16BT61204	Semantic Web								
7.	16BT61231	Cloud Computing Lab	-	-	3	3	2	50	50	100
8.	16BT51233	Web Technologies Lab	-	-	3	3	2	50	50	100
9.	16BT70531	Comprehensive Assessment	-	-	-	-	2	-	100	100
	Total		18	6	6	30	24	280	620	900

S. No.	Course Code	Course Title	L	T	P	Contact Periods/ Week	Credits (C)	Scheme of Examination Max. Marks		
								Int. Marks	Ext. Marks	Total Marks
IV Year – II Semester – Group										
1.	16BT80531	Project Work*	-	-	-	-	12	100	100	200
Total			-	-	-	-	12	100	100	200

*Full-time project work

Manish
 CHAIRMAN
 COMPUTER SCIENCE & ENGINEERING
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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Computer Science and Engineering

Regulations : SVEC-16

Course Code	Name of the course
16BT30503	Python Programming
16BT30532	Python Programming Lab
16BT50503	Computer Vision
16BT50504	Data Communications
16BT50531	Computer Networks Lab
16BT60502	Soft Computing
16BT60503	Wireless Networks
16BT60504	Principles of Programming Languages
16BT70502	Ethical Hacking
16BT70503	Computer Forensics
16BT71210	High Performance Computing
16BT50341	Optimization Techniques
16BT2BS01	Transformation Techniques and Partial Differential Equations
16BT4HS31	Soft Skills Lab
16BT6HS05	French Language
16BT6HS06	German Language
16BT6HS07	Indian Constitution
16BT6HS08	Indian Economy
16BT6HS09	Indian Heritage and Culture
16BT6HS10	Indian History
16BT6HS11	Personality Development
16BT6HS13	Philosophy of Education
16BT6HS13	Public Administration
16BT60112	Building Maintenance and Repair
16BT21201	Object Oriented Programming through C++
16BT21232	Object Oriented Programming Lab
16BT31231	Java Programming Lab
16BT61231	Cloud Computing Lab
16BT71508	Internet of Things
16BT70413	Introduction to Nanoscience and Nanotechnology


BoS Chairperson, CSE

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