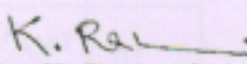


Department of Information Technology

**Agenda for 8th Meeting of Board of Studies for B. Tech. in Information
Technology on 23.03.2017 @ 10 AM**

1. Action taken report on minutes/ resolutions of 7th BOS meeting.
2. Report on implementation of autonomy with respect to syllabi and regulations (SVEC-16 I B. Tech. & SVEC-14 III B. Tech.).
3. B. Tech. Academic Calendars for 2017-18.
4. **Vision and Mission of the Department, PEOs, POs and PSOs.**
5. **Course Structure and Syllabi with Course Objectives & Outcomes and Lesson Plans of Courses of II, III & IV B. Tech.**
6. Teaching, Learning and Evaluation.
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. K. Ramani
Chairperson, BOS in IT

Members Present on 23.03.2017

S.No.	Name	B.O.S Affiliation	Signature
1.	Dr. K. Ramani Professor & Head	Chairperson	K. Ramani
2.	Dr. Y. Raghu Babu Reddy Associate Professor, Department of Computer Science, IIIT Hyderabad, Gachibowli, Hyderabad - 500032, India	External Member	Y. Raghu Babu Reddy
3.	Dr. G. Zayaraz Professor, Department of CSE, Pondicherry Engineering College Pudhucherry - 605001	External Member	G. Zayaraz
4.	Mr. Srinivas Kongara Lead-E&R Infosys Technologies Ltd., Plat No. 350, Hebbal Industrial Area, Hootagalli Mysore - 570018 Karnataka.	External Member	K. Srinivas
5.	Dr. L. V. Reddy Professor of IT	Programme Coordinator (PG)	L. V. Reddy
6.	Dr. K. Khaja Baseer Associate Professor of IT	Programme Coordinator (UG)	K. Khaja Baseer
7.	Dr. L. Kavisankar Associate Professor of IT	Internal Member	L. Kavisankar
8.	Mr. P. Srinivasa Reddi Associate Professor of IT	Internal Member	P. Srinivasa Reddi
9.	Mr. A. Srinivasulu Associate Professor of IT	Internal Member	A. Srinivasulu
10.	Mr. V. Lokanadham Naidu Assistant Professor (SL) of IT	Internal Member	V. Lokanadham Naidu
11.	Mr. Shaik Munwar Assistant Professor of IT	Internal Member	Shaik Munwar
12.	Ms. V. Jyothsna Assistant Professor of IT	Internal Member	V. Jyothsna
13.	Mr. O. Obulesu Assistant Professor of IT	Internal Member	O. Obulesu
14.	Mr. Ch. Sreenu Babu Assistant Professor of IT	Internal Member	Ch. Sreenu Babu

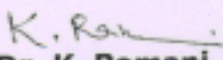
Board of Studies in I.T.

Minutes of B.O.S Meeting held on 23.03.2017

1. The External Members of B.O.S apprised the Action Taken Report on minutes of 7th B.O.S meeting held on 22.04.2016.
2. A copy of the report on implementation of autonomy with respect to III B.Tech. SVEC-14 regulations and I B.Tech. I Semester SVEC-16 regulations is circulated to members of B.O.S.
3. A copy of the Academic Calendar for 2017-18 pertaining to I, II, III & IV B.Tech (I & II-Sem.) is circulated to B.O.S members and members approved the same.
4. The B.O.S Members suggested the following changes in B.Tech. (IT) SVEC-16 course structure pertaining to courses of II, III and IV B.Tech. (I & II Sem.).
 - Move Linux Programming course from III B.Tech. I Semester to II B.Tech. I Semester.
 - Move Design and Analysis of Algorithm course from IV B.Tech. I Semester to II B.Tech. II Semester.
5. The B.O.S Members suggested the following changes in B.Tech. (IT) SVEC-16 syllabus pertaining to the courses of II, III and IV B.Tech (I & II Sem.).
 - Include case studies/video based learning/NPTEL videos/Online material on advanced topics like multi core architecture and working of processors in Computer Organization course.
 - Include case studies in Data Structures Lab and Database Management Systems lab to improve problem solving skills among students.
 - Demonstrate Data Structures and Database Management concepts with real time examples and applications.
 - Remove the overlapping topics from Object Oriented Programming through C++ and Java Programming courses.
 - Remove NP Hard and NP Complete topic from Design and Analysis Algorithms course.
 - Add more topics related to PHP and MySQL in Unit-V of Web Technologies course.
 - Reduce topics from Unit-III of Web Technologies course.
6. The external B.O.S members appreciated for including MOOC course and suggested to allot credits to MOOC course.
7. The external B.O.S member Dr. G. Zayaraz suggested to follow NPTEL/ SWAYAM MOOC courses instead of edX/ coursera as their fee is nominal.

8. The external B.O.S member Dr. Y. Raghu Babu Reddy suggested to have Virtual Labs provided at vlabs.ac.in by NPTEL.
9. The B.O.S members have appreciated the Teaching, Learning and Evaluation Process.
10. The external members of B.O.S have appreciated the research and consultancy activities of Information Technology.
11. The external members of B.O.S have appreciated the following conducted activities during the Academic Year 2016-17.
 - i. Student, Staff and Faculty Development Activities including Seminars, Workshops, FDPs, SDPs etc.
 - ii. Student Support System includes Counseling, Extra and Co-curricular activities.
 - iii. Extension Activities.

12. Any other item.


Dr. K. Ramani
Chairperson, BoS-IT

Approved Course Structure

Program : B.Tech – Information Technology

Regulation: SVEC-16

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(Autonomous)

**COURSE STRUCTURE (2016-2017) INFORMATION
TECHNOLOGY**

I B.Tech. (I Semester)

S. No	Course Code	Course Title	L	T	P	Periods per week	C	Scheme of Examination Max. Marks		
								Int.	Ext.	Total
1.	16BT1H501	Technical English	3	1	-	4	3	30	70	100
2.	16BT1B501	Engineering Chemistry	3	1	-	4	3	30	70	100
3.	16BT1B503	Matrices and Numerical Methods	3	1	-	4	3	30	70	100
4.	16BT1B504	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.	16BT1H531	English Language Lab	-	-	3	3	2	50	50	100
7.	16BT1B531	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	15	36	24	350	550	900

I B.Tech. (II Semester)

S. No	Course Code	Course Title	L	T	P	Periods per week	C	Scheme of Examination Max. Marks		
								Int.	Ext.	Total
1.	16BT1B502	Engineering Physics	3	1	-	4	3	30	70	100
2.	16BT2B501	Transformation Techniques and Partial Differential Equations	3	1	-	4	3	30	70	100
3.	16BT20441	Basic Electronic Devices and Circuits	3	1	-	4	3	30	70	100
4.	16BT21201	Object Oriented Programming through C++	4	1	-	5	4	30	70	100
5.	16BT21501	Digital Logic Design	3	1	-	4	3	30	70	100
6.	16BT1B532	Engineering Physics Lab	-	-	3	3	2	50	50	100
7.	16BT20451	Analog and Digital Electronics Lab	-	-	3	3	2	50	50	100
8.	16BT21231	IT Workshop	-	-	3	3	2	50	50	100
9.	16BT21232	Object Oriented Programming Lab	-	-	3	3	2	50	50	100
Total:			16	5	12	33	24	350	550	900

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(Autonomous)

COURSE STRUCTURE (2016-2017)

INFORMATION TECHNOLOGY

II B.Tech. (I Semester)

S. No	Course Code	Course Title	L	T	P	Periods per week	C	Scheme of Examination Max. Marks		
								Int.	Ext.	Total
1.	16BT38501	Probability Distributions and Statistical Methods	3	1	-	4	3	30	70	100
2.	16BT30501	Computer Organization	3	1	-	4	3	30	70	100
3.	16BT30502	Data Structures	3	1	-	4	3	30	70	100
4.	16BT31201	Discrete Mathematical Structures	3	1	-	4	3	30	70	100
5.	16BT50502	Linux Programming	3	1	-	4	3	30	70	100
6.	16BT31501	Operating Systems	3	1	-	4	3	30	70	100
7.	16BT30531	Data Structures Lab	-	-	3	3	2	50	50	100
8.	16BT50532	Linux Programming Lab	-	-	3	3	2	50	50	100
9.	16BT31531	Operating Systems Lab	-	-	3	3	2	50	50	100
Total:			18	6	9	33	24	330	570	900

II B.Tech. (II Semester)

S. No	Course Code	Course Title	L	T	P	Periods per week	C	Scheme of Examination Max. Marks		
								Int.	Ext.	Total
1.	16BT38501	Environmental Studies	3	-	-	3	3	30	70	100
2.	16BT41204	Theory of Computation	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.	16BT4H531	Soft Skills Lab	-	-	3	3	2	50	50	100
Total:			18	5	9	32	24	330	570	900

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(Autonomous)

COURSE STRUCTURE (2016-2017)

INFORMATION TECHNOLOGY

III B.Tech. (I Semester)

S. No	Course Code	Course Title	L	T	P	Periods per week	C	Scheme of Examination Max. Marks		
								Int.	Ext.	Total
1.	16BT51201	Computer Graphics and Multimedia	3	1	-	4	3	30	70	100
2.	16BT50501	Computer Networks	3	1	-	4	3	30	70	100
3.	16BT51501	Compiler Design	3	1	-	4	3	30	70	100
4.	16BT51202	Object Oriented Analysis and Design	3	1	-	4	3	30	70	100
5.	16BT51203	Web Technologies	3	1	-	4	3	30	70	100
6.		Interdisciplinary Elective-1	3	1	-	4	3	30	70	100
	16BT50341	Optimization Techniques								
	16BT50442	Microprocessors and Interfacing								
	16BT60404	Image Processing								
	16BT60503	Wireless Networks								
7.	16BT51231	CASE Tools and Computer Networks Lab	-	-	3	3	2	50	50	100
8.	16BT51232	Computer Graphics and Multimedia Lab	-	-	3	3	2	50	50	100
9.	16BT51233	Web Technologies Lab	-	-	3	3	2	50	50	100
		Total:	18	6	9	33	24	330	570	900

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(Autonomous)

COURSE STRUCTURE (2016-2017)

INFORMATION TECHNOLOGY

III B.Tech. (II Semester)

S. No	Course Code	Course Title	L	T	P	Periods per week	C	Scheme of Examination Max. Marks		
								Int.	Ext.	Total
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.	16BT61201	Cloud Computing	3	1	-	4	3	30	70	100
4.		Interdisciplinary Elective-2	3	1	-	4	3	30	70	100
	16BT60441	Pattern Recognition								
	16BT70402	Embedded Systems								
	16BT60502	Soft Computing								
	16BT61202	Ad-hoc and Wireless Sensor Networks								
5.		Program Elective - 1	3	1	-	4	3	30	70	100
	16BT30503	Python Programming								
	16BT61203	Advanced Databases								
	16BT61204	Semantic Web								
	16BT61503	Software Project Management								
6.		Open Elective	3	1	-	4	3	30	70	100
7.	16BT61231	Cloud Computing Lab	-	-	3	3	2	50	50	100
8.	16BT61232	Knowledge Engineering Lab	-	-	3	3	2	50	50	100
9.	16BT61233	Seminar	-	-	-	-	2	-	100	100
10.	16BT6MOOC	MOOC	-	-	-	-	-	-	-	-
		Total:	18	6	6	30	24	280	620	900

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COURSE STRUCTURE (2016-2017)

INFORMATION TECHNOLOGY

III B.Tech. (II Semester) - Open Electives

S. No.	Course Code	Open Elective Course Title	S. 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

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COURSE STRUCTURE (2016-2017)

INFORMATION TECHNOLOGY

IV B.Tech. (I Semester)

S. No	Course Code	Course Title	L	T	P	Periods per week	C	Scheme of Examination Max. Marks		
								Int.	Ext.	Total
1.	16BTSH501	Management Science	3	1	-	4	3	30	70	100
2.	16BT71201	Big Data Technologies	3	1	-	4	3	30	70	100
3.	16BT71202	Mobile Application Development	3	1	-	4	3	30	70	100
4.		Program Elective - 2	3	1	-	4	3	30	70	100
	16BT71203	Information Retrieval Systems								
	16BT71204	Mobile Computing								
	16BT71505	Network Programming								
	16BT60501	Software Testing								
5.		Program Elective - 3	3	1	-	4	3	30	70	100
	16BT71205	Cryptography and Network Security								
	16BT71206	.Net Technologies								
	16BT71207	E-commerce								
	16BT71208	Service Oriented Architecture								
6.		Program Elective - 4	3	1	-	4	3	30	70	100
	16BT71209	Machine Learning								
	16BT71508	Internet of Things								
	16BT71210	High Performance Computing								
	16BT70505	Human Computer Interaction								
7.	16BT71231	Big Data Technologies Lab	-	-	3	3	2	50	50	100
8.	16BT71232	Mobile Application Development Lab	-	-	3	3	2	50	50	100
9.	16BT71233	Comprehensive Assessment	-	-	-	-	2	-	100	100
		Total:	18	6	6	30	24	280	620	900

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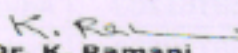
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COURSE STRUCTURE (2016-2017)

INFORMATION TECHNOLOGY

IV B.Tech. (II Semester)

S. No	Course Code	Course Title	L	T	P	Periods per week	C	Scheme of Examination Max. Marks		
								Int.	Ext.	Total
1.	16BT81231	Project Work	-	-	-	-	12	100	100	200
		Total:	-	-	-	-	12	100	100	200
			Grand Total :					2350	4150	6500


Dr. K. Ramani
Chairperson, BOS in IT

LIST OF NEW COURSES INTRODUCED

Program: B.Tech – Information Technology

Regulation: SVEC-16

Course Code	Name of the course
16BT2BS01	Transformation Techniques and Partial Differential Equations
16BT21201	Object Oriented Programming through C++
16BT21232	Object Oriented Programming Lab
16BT31231	Java Programming Lab
16BT4HS31	Soft Skills Lab
16BT51232	Computer Graphics and Multimedia Lab
16BT60503	Wireless Networks
16BT61203	Advanced Databases
16BT30503	Python Programming
16BT61231	Cloud Computing Lab
16BT61232	Knowledge Engineering 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
16BT70413	Introduction to Nanoscience and Nanotechnology
16BT60441	Pattern Recognition
16BT60502	Soft Computing
16BT71207	E-commerce
16BT71209	Machine Learning
16BT71508	Internet of Things
16BT71231	Big Data Technologies Lab

K. Ramani
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