

Department of Information Technology

Agenda for 7th Meeting of Board of Studies for B. Tech. in Information Technology on 22.4.2016 @ 2:15 PM

- Action taken report on minutes/ resolutions of 6th BOS meeting.
- Report on implementation of autonomy with respect to syllabi and regulations (SVEC14 II B.Tech.)
- B.Tech Academic Calendar for 2016-17.
- Vision and Mission of the Department, PEOs, POs & PSOs and Course Structure of B. Tech(IT). Program.
- Syllabi with Course Objectives & Outcomes, Lesson Plans and Question Banks of Courses of I B.Tech.
- Panel of Paper setters for I & II Semester courses of I B.Tech.
- Teaching, Learning and Evaluation.
- Research Activities.
- Faculty Development Activities.
- Staff Development Activities.
- Student Development Activities.
- Student Support Systems.
- Extension Activities.
- Any other item.

K. Ramani

Dr. K. Ramani

Chairperson, BOS in IT.

Department of Information Technology

7th Meeting of

Board of Studies

Information Technology

B.Tech (IT)

22nd April, 2016

Members Present:

S.No.	Name	B.O.S Affiliation
1.	Dr. K. Ramani Professor & Head	Chairperson
2.	Dr. Ch. Sudhakar Associate Professor Department of CSE, National Institute of Technology, Warangal	External Member
3.	Dr. L. V. Reddy Professor of IT	Internal Member
4.	Mr. P. Srinivasa Reddi Associate Professor of IT	Internal Member
5.	Mr. A. Srinivasulu Associate Professor of IT	Internal Member
6.	Mr. V. Lokanadham Naidu Assistant Professor (SL) of IT	Internal Member
7.	Mr. Shaik Munwar Assistant Professor of IT	Internal Member
8.	Ms. V. Jyothsna Assistant Professor of IT	Internal Member
9.	Mr. O. Obulesu Assistant Professor of IT	Internal Member

Minutes of the 7th B.O.S Meeting of B.Tech (I.T) Conducted on 22-04-2016

1. Members of B.O.S were apprised of the Action Taken Report on minutes of 6th B.O.S meeting held on 18.04.2015.
2. A copy of the report on implementation of autonomy with respect to II B. Tech (I & II Sem) **SVEC-14** regulations is circulated to members of B.O.S.
3. The department Vision, Mission and B.Tech (IT) Program Educational Objectives, Program Outcomes, and Program Specific Outcomes were presented by the Chairperson and the members asked to modify the PSOs. Dr. Ch. Sudhakar, external member asked to prepare each PSO to reflect one IT stream/domain specific area.
4. A copy of the Academic Calendar for 2016-17 pertaining to II, III and IV B.Tech (I & II-sem.) is circulated to members of B.O.S and members approved the same.
5. The B.Tech (IT) Knowledge areas, Pre-requisites Flowchart & Course Structure for SVEC-14 regulations were approved and members approved the same with modifications.
6. The B.O.S members suggested the following changes in the B.Tech (IT) Course Structure:
 - i. The course Multi-Variable Calculus and Differential Equations with Linear Algebra.
 - ii. Remove Free and Open Source Software course and introduce few Open source tools in IT Workshop of I B. Tech(IT) course structure.
7. The external B.O.S member Dr. Ch. Sudhakar suggested to include Libre Office, LaTeX and Linux commands in IT Workshop.
8. The external B.O.S member Dr. Ch. Sudhakar appreciated for including MOOC in course structure and making it compulsory course.
9. The external B.O.S member Dr. Ch. Sudhakar suggested to change text books for Programming in C and Object Oriented Programming through C++ with books written by Walter Savitech.
10. The external B.O.S member Dr. Ch. Sudhakar suggested to combine Unit-I & II of Object Oriented Programming through C++ by reducing redundant topics of Programming in C course.
11. Members have been apprised of the Teaching, Learning and Evaluation process and members appreciated the same.
12. The ongoing Research Activities have been noted by the members of B.O.S. and they appreciated the same.
13. Members of B.O.S have been apprised of the student development activities conducted during 2015-16. Members noted the same.
14. 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/ TAIT activities) being organised at the college and department level. Members noted and appreciated the same.

Approved Course Structure

Program : B.Tech.- INFORMATION TECHNOLOGY

Regulations : SVEC-14

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

COURSE STRUCTURE (2014-2015)

Information Technology

I B.Tech (Yearly Pattern)

Course Category	Course Title	Periods per week			Credits	Scheme of Examination Max. Marks		
		L	T	P		Int.	Ext.	Total
14BT1HS01	Technical English	2	-	-	4	30	70	100
14BT1BS01	Engineering Physics	2	1	-	4	30	70	100
14BT1BS02	Engineering Chemistry	2	1	-	4	30	70	100
14BT1BS03	Engineering Mathematics	3	1	-	6	30	70	100
14BT1BS04	Mathematical Methods	3	1	-	6	30	70	100
14BT1ES02	Problem Solving and Computer Programming	3	1	-	6	30	70	100
14BT1ES03	Computer -Aided Engineering Drawing	-	1	2	3	25	50	75
14BT1RS05	Engineering Physics and Engineering Chemistry Lab.	-	-	3	3	25	50	75
14BT1ES05	Problem Solving and Computer Programming Lab.	-	-	3	3	25	50	75
14BT1ES06	Engineering and IT Workshop	-	-	3	3	25	50	75
14BT1HS02	English Language Communication Skills Lab.	-	-	3	3	25	50	75
Total:		15	6	15	45	305	670	975

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(Autonomous)

COURSE STRUCTURE (2014-2015)

INFORMATION TECHNOLOGY

II B.Tech. - I Semester

Course Code	Course Title	Periods per week			Credits	Scheme of Examination Max. Marks		
		L	T	P		Int.	Ext.	Total
14BT38503	Probability and Statistics	3	1		3	30	70	100
14BT31201	Discrete Mathematical Structures	3	1	-	3	30	70	100
14BT30235	Basic Electrical Engineering	3	1	-	3	30	70	100
14BT30431	Electronic Devices and Circuits	3	1	-	3	30	70	100
14BT30501	Data Structures	3	1	-	3	30	70	100
14BT30503	Digital Logic Design	3	1	-	3	30	70	100
14BT30422	Analog and Digital Electronics Lab	-	-	3	2	25	50	75
14BT30521	Data Structures Lab	-	-	3	2	25	50	75
Total:		18	6	6	22	230	520	750

SREE VIDYANIKETHAN ENGINEERING COLLEGE
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COURSE STRUCTURE (2014-2015)
INFORMATION TECHNOLOGY

II B.Tech. - I Semester

Course Code	Course Title	Periods per week			Credits	Scheme of Examination Max. Marks		
		L	T	P		Int.	Ext.	Total
14BT38503	Probability and Statistics	3	1		3	30	70	100
14BT31201	Discrete Mathematical Structures	3	1	-	3	30	70	100
14BT30205	Basic Electrical Engineering	3	1	-	3	30	70	100
14BT30431	Electronic Devices and Circuits	3	1	-	3	30	70	100
14BT30501	Data Structures	3	1	-	3	30	70	100
14BT30502	Digital Logic Design	3	1	-	3	30	70	100
14BT30422	Analog and Digital Electronics Lab	-	-	3	2	25	50	75
14BT30521	Data Structures Lab	-	-	3	2	25	50	75
Total:		18	6	6	22	230	520	750

SREE VIDYANIKETHAN ENGINEERING COLLEGE

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COURSE STRUCTURE (2014-2015)

INFORMATION TECHNOLOGY

III B.Tech. - I Semester

Course Code	Course Title	Periods per week			C	Scheme of Examination Max. Marks		
		L	T	P		Int.	Ext.	Total
14BT4HS02	Professional Ethics	3	1	-	3	30	70	100
14BT5HS02	Management Science	3	1	-	3	30	70	100
14BT51201	Computer Networks	3	1	-	3	30	70	100
14BT51202	Software Engineering	3	1	-	3	30	70	100
14BT50431	Microprocessors and Interfacing	3	1	-	3	30	70	100
14BT50501	Theory of Computation	3	1	-	3	30	70	100
14BT50502	Unix Internals	3	1	-	3	30	70	100
14BT51211	Unix & Computer Networks Lab	-	-	3	2	25	50	75
14BT50424	Microprocessors and Interfacing Lab	-	-	3	2	25	50	75
Total:		21	7	6	25	260	590	850

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COURSE STRUCTURE (2014-2015)
INFORMATION TECHNOLOGY
III B.Tech. - II Semester

Course Code	Course Title	Periods per week			C	Scheme of Examination Max. Marks		
		L	T	P		Int.	Ext.	Total
14BT5HS01	Managerial Economics and Principles of Accountancy	3	1	-	3	30	70	100
14BT61201	Data Warehousing and Data Mining	3	1	-	3	30	70	100
14BT61202	Web Programming	3	1	-	3	30	70	100
14BT40503	Design and Analysis of Algorithms	3	1	-	3	30	70	100
14BT60501	Object Oriented Analysis and Design	3	1	-	3	30	70	100
	Open Elective	3	1	-	3	30	70	100
14BT61221	OOAD & Data Mining Lab	-	-	3	2	25	50	75
14BT61222	Web Programming Lab	-	-	3	2	25	50	75
	Total:	18	6	6	22	230	520	750

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COURSE STRUCTURE (2014-2015)

INFORMATION TECHNOLOGY

LIST OF OPEN ELECTIVES

Offering Dept	Course Code	Course Title
BS&H	14BT6HS01	Banking and Insurance
BS&H	14BT6HS02	Cost Accounting and Financial Management
BS&H	14BT6HS03	Entrepreneurship for Micro, Small and Medium Enterprises
CE	14BT70105	Disaster Mitigation and Management
CE	14BT70106	Environmental Pollution and Control
CE	14BT70107	Contract Laws and Regulations
CE	14BT70108	Planning for Sustainable Development
CE	14BT70109	Rural Technology
ME	14BT60305	Artificial Intelligence and Robotics
ME	14BT60306	Global Strategy and Technology
ME	14BT60307	Intellectual Property Rights and Management
ME	14BT60308	Managing Innovation and Entrepreneurship
ME	14BT60309	Material Science
CSE	14BT60502	Engineering Systems Analysis and Design
EIE	14BT71005	Microelectromechanical Systems
IT	14BT61203	Bio-Informatics
IT	14BT61204	Cyber Security and Laws

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COURSE STRUCTURE (2014-2015)
INFORMATION TECHNOLOGY
IV B.Tech. - I Semester

Course Code	Course Title	Periods per week			C	Scheme of Examination Max. Marks		
		L	T	P		Int.	Ext.	Total
14BT71201	Mobile Application Development	3	1	-	3	30	70	100
14BT71202	Multimedia and Applications Development	3	1	-	3	30	70	100
14BT70501	Compiler Design	3	1	-	3	30	70	100
14BT41501	Computer Graphics	3	1	-	3	30	70	100
Professional Elective-I		3	1	-	3	30	70	100
14BT71203	Scripting Languages							
14BT71204	Software Testing Techniques							
14BT70431	Image Processing and Pattern Recognition							
14BT71502	Network Programming							
14BT71506	Soft Computing							
Professional Elective-II		3	1	-	3	30	70	100
14BT71205	Machine Learning							
14BT71206	Service Oriented Architecture							
14BT80504	Distributed Systems							
14BT80505	Network Management							
14BT81503	Human Computer Interaction							
14BT71221	Mobile Application Development Lab	-	-	3	2	25	50	75
14BT71222	Multimedia and Applications Development Lab	-	-	3	2	25	50	75
14BT71223	Seminar				2		50	50
Total:		18	6	5	24	230	570	800

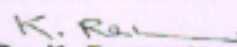
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COURSE STRUCTURE (2014-2015)

INFORMATION TECHNOLOGY

IV B.Tech. - II Semester

Course Code	Course Title	Periods per week			C	Scheme of Examination Max. Marks		
		L	T	P		Int.	Ext.	Total
14BT81201	Cloud Computing	3	1	-	3	30	70	100
14BT81202	Cryptography and Network Security	3	1	-	3	30	70	100
Professional Elective-III		3	1	-	3	30	70	100
14BT81203	.Net Technologies							
14BT70503	Advanced Computer Architecture							
14BT80532	Ad-hoc and Wireless Sensor Networks							
14BT71501	Embedded System Programming							
14BT81501	High Performance Computing							
Professional Elective-IV		3	1	-	3	30	70	100
14BT81204	Information Retrieval Systems							
14BT81205	Mobile Communications							
14BT81206	Semantic Web							
14BT80502	Big Data							
14BT71507	Software Project Management							
14BT81221	Comprehensive Viva-Voce	-	-	-	2	-	100	100
14BT81222	Project Work	-	-	20	10	60	140	200
Total:		12	4	20	24	180	520	700
Grand Total:		123	42	65	187	1695	3980	5675


Dr. K. Ramani
 Chairperson, BOS in IT

Approved Course Structure

Program: B.Tech- Information Technology

Regulations: 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.	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	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.	16BT1BS02	Engineering Physics	3	1	-	4	3	30	70	100
2.	16BT2BS01	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.	16BT1BS32	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



Dr. K. Ramani
 Chairperson, BOS in IT

LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- INFORMATION TECHNOLOGY

Regulations : SVEC-14

Course Code	Name of the course
14BT6HS01	Banking and Insurance
14BT6HS02	Cost Accounting and Financial Management
14BT6HS03	Entrepreneurship for Micro, Small and Medium Enterprises
14BT70106	Environmental Pollution and Control
14BT70107	Contract Laws and Regulations
14BT70108	Planning for Sustainable Development
14BT70109	Rural Technology
14BT60305	Artificial Intelligence and Robotics
14BT60306	Global Strategy and Technology
14BT60307	Intellectual Property Rights and Management
14BT60308	Managing Innovation and Entrepreneurship
14BT60309	Material Science
14BT71201	Mobile Application Development
14BT71203	Scripting Languages
14BT80504	Distributed Systems
14BT81203	.Net Technologies
14BT70503	Advanced Computer Architecture
14BT71501	Embedded System Programming
14BT80502	Big Data


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