


**Agenda for 8<sup>th</sup> Meeting of Board of Studies**  
**for B.Tech. in Civil Engineering on 25.3.2017 @ 09:30 AM**




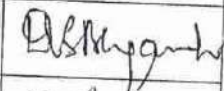

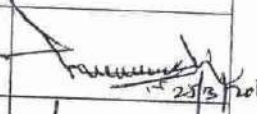
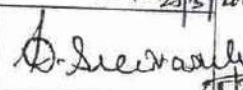
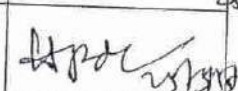
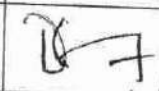
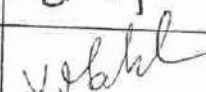
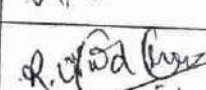
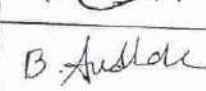

1. Action Taken Report on Minutes/ Resolutions of 7<sup>th</sup> BOS Meeting.
2. Report on implementation of autonomy with respect to syllabi and regulations (SVEC16 I B. Tech. & SVEC14 III B. Tech.).
3. B.Tech. Academic Calendar for 2017-18.
4. Course Structure and Syllabi with Course Objectives & Outcomes and Lesson Plans of Courses of II, III & IV B. Tech.
5. Panel of Paper Setters
6. Substitute Subjects
7. Teaching, Learning and Evaluation
8. Research and Consultancy
9. Industry – Institution Interaction
10. Faculty Development Activities
11. Staff Development Activities
12. Student Developmental Activities
13. Student Support Systems
14. Extension Activities
15. Any other Item.

  
**Dr. O. Eswara Reddy**  
Chairman, BOS  
Civil Engineering

**8<sup>th</sup> Meeting of Board of Studies**  
**for B.Tech. in Civil Engineering on 25.3.2017 @ 09:30 AM**

**MINUTES**

Members Present:

S. No.	Name	Designation	Signature
1.	<b>Dr. O. Eswara Reddy</b> Professor of Civil Engineering, Sree Vidyanikethan Engineering College (Autonomous), Tirupati - 517 102.	Chairman	
2.	<b>Dr. M. Srimurali</b> Professor of Civil Engineering, S.V.U. College of Engineering, S.V. University, Tirupati - 517502.	External Member (Academics)	
3.	<b>Mr. Sathinarayanan Mahadevan</b> Chief Executive Officer Starworth Infrastructure & Construction Ltd. No. 301, 3rd Floor, Sunrise Chambers, Ulsoor Road, Bengaluru - 560042	External Member (Industry)	
4.	<b>Dr. D. V. S. Bhagavanulu</b> Professor of Civil Engineering & Director, SVEC, Tirupati	Internal Member (Academics)	
5.	<b>Dr. M. V. Subba Reddy</b> Asst. Professor & Head, Dept. of Civil Engineering, SVEC, Tirupati	Internal Member (Academics)	
6.	<b>Dr. P. Ramesh</b> Associate Professor, Dept. of Civil Engineering, SVEC, Tirupati.	Internal Member (Academics)	
7.	<b>Dr. D. Sreenivasulu</b> Associate Professor, Dept. of Civil Engineering, SVEC, Tirupati.	Internal Member (Academics)	
8.	<b>Dr. Hemadri Prasad Raju</b> Associate Professor, Dept. of Civil Engineering, SVEC, Tirupati.	Internal Member (Academics)	
9.	<b>Mr. D. Srinivasa Murthy</b> Assistant Professor, Dept. of Civil Engineering, SVEC, Tirupati.	Internal Member (Academics)	
10.	<b>Mr. V. Mahesh</b> Assistant Professor, Dept. of Civil Engineering, SVEC, Tirupati.	Internal Member (Academics)	
11.	<b>Mr. R. Vinod Kumar</b> Assistant Professor, Dept. of Civil Engineering, SVEC, Tirupati.	Internal Member (Academics)	
12.	<b>Mr. B. Sudhakar</b> Assistant Professor, Dept. of Civil Engineering, SVEC, Tirupati.	Internal Member (Academics)	
13.	<b>Mr. D. V. Purushotham</b> Assistant Professor, Dept. of Civil Engineering, SVEC, Tirupati.	Internal Member (Academics)	



**1. Action Taken Report on "Minutes of BOS Meeting held on 22-04-2016":**

Chairman Dr. O. Eswara Reddy apprised the members the Minutes/Resolutions of BOS Meeting held on 22-04-2016.

Minutes of BOS Meeting held on 22-04-2016	Action Taken
Course Structure and Syllabi of I B.Tech. Civil Engineering of SVEC16 Regulations were approved in the Board of Studies in Civil Engineering.	Implemented for I B.Tech. I Semester (Civil Engineering) from the academic year 2016-2017.
Curriculum of III B.Tech. Civil Engineering of SVEC14 Regulations were approved in the Board of Studies in Civil Engineering held on .	Implemented for III B.Tech. I Semester (Civil Engineering) from the academic year 2016-2017.
Panels of Question Paper Setters and Model Question Papers for I B.Tech. Civil Engineering (SVEC16).	Panels and Model Question Papers were submitted to the Principal.
B.Tech. Academic Calendar for 2016-17	Implemented for II, III and IV B.Tech. for the academic year 2016-2017.
Vision and Mission of the Department, PEOs and POs of B.Tech. Civil Engineering (SVEC16).	Implemented from the academic year 2016-2017.
Administrative Setup of Curriculum Development for B.Tech. in Civil Engineering	Implemented from the academic year 2014-2015.

The above Action Taken Report is noted for record.

**2. Report on implementation of autonomy with respect to syllabi and regulations (SVEC16 I B.Tech. I Semester & SVEC14 III B.Tech. I Semester):**

Chairman-BOS presented a report on implementation of autonomy to the members. The board has congratulated the college authorities for successful implementation of SVEC16 regulations and syllabus for I B.Tech. I Semester and SVEC14 regulations and syllabus for III B.Tech. I Semester (**ANNEXURE-I**).

**3. Academic Calendar for the Year 2017-18:**

BOS Members approved the proposed academic calendar for I, II, III and IV B.Tech Programmes (**ANNEXURE-II**).

**4. Syllabi with Course Objectives & Outcomes, Lesson Plans of Courses of II, III and IV B.Tech. Civil Engineering:**

BOS Members approved the proposed Syllabi with Course Objectives & Outcomes, Lesson Plans of Civil Engineering core courses of II, III and IV B.Tech. Civil Engineering of SVEC16 Regulations (**ANNEXURE-III**). Members have appreciated the efforts of Chairman and Internal Members of BOS and the Department in framing syllabi in a best possible way. Members were apprised of the Syllabi of other courses of II, III and IV B.Tech. Civil Engineering. In addition, the following suggestions are made for further improvement and implementation of SVEC16 Regulations.

1. Internal and external evaluations at a ratio of 40:60 instead of 30:70.
2. Creating awareness among the students on electives.
3. Rethink on the criterion of offering electives i.e., a minimum 40 number of students should opt an elective course.
4. Orientation programme on civil engineering sub-disciplines and career opportunities for I B.Tech. students.
5. Measures for the improvement of communication skills of students.
6. Provision for students for self assessment on I B.Tech. courses.
7. Maintaining sufficient faculty expertise to teach electives.
8. Allocation of departmental coordinator to coordinate MOOC course to support the students with regard to the selection of service provider, course, and its duration.
9. Comparative study of proposed TNA with attained faculty training.



10. Guidance to students on prospective ideas and their business forecast by Entrepreneurship Development Cell.
11. Add-on course on "Composite Construction".

**5. Substitute Subjects:**

Resolved to authorize the Chairman, BOS in Civil Engineering to finalize the substitute subjects as and when required and forward the same to the Chairman, Academic Council for further action.

**6. Teaching, Learning and Evaluation:**

Members were apprised of the workload distribution, time tables, teaching plan and schedules. The members have appreciated the good practices followed by the department in conducting diagnostic test, formative tests, remedial and reinforcement classes as well as offering of the necessary add-on courses (**ANNEXURE-IV**).

For further improvement of student curriculum, it is suggested to concentrate more on reinforcement classes, student seminars, workshops, symposia and technical paper presentations.

**7. Research and Consultancy:**

Members were apprised of the Research Initiatives at the Departmental level. They suggested certain thrust areas in which research proposals may be sent to the funding agencies. Members took note of the technical talks by the faculty of the Department (**ANNEXURE-V**).

**8. Industry – Institution Interaction:**

Members were apprised of the initiatives taken by the department to improve industry – institution interaction with respect to training, research and consultancy through internships, guest lectures, workshops, seminars. Members suggested to invite more industry experts to the campus and make use of them (**ANNEXURE-VI**).

**9. Faculty Development Activities:**

Members noted the list of publications and paper presentations by the members of the faculty. Also they were informed of the incentives given by the Management for their academic achievements (**ANNEXURE-VII**).

The faculty members are advised to publish only in reputed refereed journals having good impact factor.

Members were apprised of the faculty who had attended and organized the Faculty Development Programmes. Members suggested the thrust areas in which faculty are to be trained. Further, the Members taken note of Training Need Analysis for the academic year 2017-18. Resolved to authorize the head of the department to update TNA as and when required.

Members noted the feedback mechanism followed by the Department for monitoring and improvement in teaching.

**10. Staff Development Activities:**

Members were apprised the staff development programmes attended by the non-teaching personnel to improve their productive outcome for the benefit of self and department. Further, they took note of the staff development programmes organized by the department and TNA for the academic year 2017-18 (**ANNEXURE-VIII**).

**11. Student Development Activities:**

Members were informed about equity action plan & remediation, guest/expert lectures, industrial/site visits organized by the Department for the benefit of students. (**ANNEXURE-IX**).



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**DEPARTMENT OF CIVIL ENGINEERING**  
**SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)**  
Sree Sainath Nagar, Tirupati – 517 102, A.P.

Members took note of the paper presentations by the students at National level Seminar/Symposia/Conferences etc. and in Mohana Mantra, a Student National Level Techno Cultural Fest Symposium conducted every year in the College.

Members were apprised the prizes, awards and recognitions achieved by the students both in co-curricular and extra-curricular activities. Members have expressed their satisfaction regarding the student development activities.


**12. Student Support Systems:**

Members took note of the counseling mechanisms followed for overall improvement of the students and also the Campus Placement Related Skills (CPRS) programme conducted for better performance in placement related activities. They were apprised of the details of placement and entrepreneurship during the last one year **(ANNEXURE-X)**.

**13. Extension Activities:**

Members were informed about the students' active participation in various extension activities like NSS, blood donation camps, outreach activities, activities Intellectual Association of Civil Engineers (IACE) etc. **(ANNEXURE-XI)**.

Meeting concluded with thanks to the Members.

  
**Dr. O. Eswara Reddy**  
Chairman  
Board of Studies in Civil Engineering

## Approved Course Structure

**Program: B.Tech.- Civil Engineering**

**Regulations: SVEC-16**

S. No.	Course Code	Course Title	Contact Periods/ Week				Credits (C)	Scheme of Examination Max. Marks		
			L	T	P	Total		Internal Marks	External Marks	Total Marks
I Year - I Semester										
1.	16BT1HS01	Technical English	3	1	0	4	3	30	70	100
2.	16BT1BS01	Engineering Chemistry	3	1	0	4	3	30	70	100
3.	16BT1BS03	Matrices and Numerical Methods	3	1	0	4	3	30	70	100
4.	16BT1BS04	Multi-Variable Calculus and Differential Equations	3	1	0	4	3	30	70	100
5.	16BT10501	Programming in C	3	1	0	4	3	30	70	100
6.	16BT1HS31	English Language Lab	0	0	3	3	2	50	50	100
7.	16BT1BS31	Engineering Chemistry Lab	0	0	3	3	2	50	50	100
8.	16BT10331	Computer Aided Engineering Drawing	0	1	6	7	3	50	50	100
9.	16BT10531	Programming in C Lab	0	0	3	3	2	50	50	100
Total			15	6	15	36	24	350	550	900



S. No.	Course Code	Course Title	Contact Periods/ Week				Credits (C)	Scheme of Examination Max. Marks		
			L	T	P	Total		Internal Marks	External Marks	Total Marks
I Year - II Semester										
1.	16BT1BS02	Engineering Physics	3	1	0	4	3	30	70	100
2.	16BT2BS01	Transformation Techniques and Partial Differential Equations	3	1	0	4	3	30	70	100
3.	16BT20101	Building Materials and Construction Technology	3	1	0	4	3	30	70	100
4.	16BT20102	Engineering Mechanics	4	1	0	5	4	30	70	100
5.	16BT20241	Basic Electrical and Electronics Engineering	3	1	0	4	3	30	70	100
6.	16BT1BS32	Engineering Physics Lab	0	0	3	3	2	50	50	100
7.	16BT20131	Building Materials and Construction Technology Lab	0	0	3	3	2	50	50	100
8.	16BT20252	MATLAB Practice for Civil Engineers	0	1	3	4	2	50	50	100
9.	16BT20331	Engineering Workshop Practice	0	0	3	3	2	50	50	100
Total			16	6	12	34	24	350	550	900

S. No.	Course Code	Course Title	Course Category	Contact Periods/ Week				Credits (C)	Scheme of Examination Max. Marks		
				L	T	P	Total		Internal Marks	External Marks	Total Marks
II Year - I Semester											
1.	16BT3BS01	Probability Distributions and Statistical Methods	BS	3	1	0	4	3	30	70	100
2.	16BT3HS02	Managerial Economics and Principles of Accountancy	HS	3	1	0	4	3	30	70	100
3.	16BT30101	Construction Planning and Project Management	PC	3	1	0	4	3	30	70	100
4.	16BT30102	Fluid Mechanics and Hydraulic Machinery	PC	3	1	0	4	3	30	70	100
5.	16BT30103	Mechanics of Solids	ES	3	1	0	4	3	30	70	100
6.	16BT30104	Surveying	PC	3	1	0	4	3	30	70	100
7.	16BT30131	Fluid Mechanics and Hydraulic Machinery Lab	PC	0	0	3	3	2	50	50	100
8.	16BT30132	Strength of Materials Lab	PC	0	0	3	3	2	50	50	100
9.	16BT30133	Surveying Lab	PC	0	0	3	3	2	50	50	100
Total				18	6	9	33	24	330	570	900

S. No.	Course Code	Course Title	Course Category	Contact Periods/ Week				Credits (C)	Scheme of Examination Max. Marks		
				L	T	P	Total		Internal Marks	External Marks	Total Marks
II Year - II Semester											
1.	16BT3HS01	Environmental Studies	HS	3	0	0	3	3	30	70	100
2.	16BT40101	Concrete Technology	PC	3	1	0	4	3	30	70	100
3.	16BT40102	Engineering Geology	PC	3	1	0	4	3	30	70	100
4.	16BT40103	Engineering Hydrology	PC	3	1	0	4	3	30	70	100
5.	16BT40104	Structural Analysis-I	PC	3	1	0	4	3	30	70	100
6.	16BT40105	Water Supply Engineering	PC	3	1	0	4	3	30	70	100
7.	16BT40131	Concrete Technology Lab	PC	0	0	3	3	2	50	50	100
8.	16BT40132	Engineering Geology Lab	PC	0	0	3	3	2	50	50	100
9.	16BT4HS31	Soft Skills Lab	HS	0	0	3	3	2	50	50	100
Total				18	5	9	32	24	330	570	900



**BOS, Chairman**