

**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)**  
**DEPARTMENT OF CIVIL ENGINEERING**  
**MINUTES OF THE BOARD OF STUDIES MEETING HELD ON 27.06.2023**

Lr. No. VCE/CED/A08/2022-23/643

Date: 03.07.2023

**Members Present:**

1	Dr.B.Sridhar	Professor, Department of Civil Engineering, VCE
2	Prof. K.V.L.Subramaniam	Professor, Department of Civil Engineering, IIT Hyderabad
3	Prof. M. Kumar	Dean, Faculty of Engineering, Osmania University, Hyderabad
4	Prof.P.Rajasekar	Professor & Head, Department of Civil Engineering,OU College of Engg.
5	Prof. T. Shashidhar	Professor, Department of Civil Engg., IIT Hyderabad
6	Prof. V. Vinayaka Ram	Professor, Department of Civil engineering, BITS, Hyderabad
7	Dr.Anasua Guharay	Associate Professor, Department of Civil engineering, BITS, Hyderabad
8	Er. P. Surya prakash	CEO, M/s. Satyavani Projects, Hyderabad
9	Dr. M.V. Rama Rao	Professor, Department of Civil Engineering, VCE
10	Dr. T. Srinivas	Associate Professor, Department of Civil Engineering, VCE
11	Dr. C. Mohanlal	Associate Professor, Department of Civil Engineering, VCE
12	Dr. S. Vijaya Kumar	Associate Professor, Department of Civil Engineering, VCE
13	Dr.M.V.S.S. Sastri	Associate Professor, Department of Civil Engineering, VCE
14	Dr.K.Jayasree	Associate Professor, Department of Civil Engineering, VCE
15	Mr.G.Raghavendra	Associate Professor, Department of Civil Engineering, VCE
17	Mr.G.Srinivas	Associate Professor, Department of Civil Engineering, VCE
18	Mrs. P.Dhatri	Assistant Professor, Department of Civil Engineering, VCE
19	Mr. S. Kesav Kumar	Assistant Professor, Department of Civil Engineering, VCE
20	Mrs.R.Sowmya	Assistant Professor, Department of Civil Engineering, VCE
21	Mr. J. Chaitanya	Assistant Professor, Department of Civil Engineering, VCE
22	Mrs. Krati Sharma	Assistant Professor, Department of Civil Engineering, VCE

At the outset, Prof. Sridhar (Chairman of BoS & HOD) welcomed the members for attending the Board of Studies Meeting. The Chairman further expressed special thanks to all the members for sparing the time from their busy schedule to attend the meeting.

The following agenda items were taken up for discussion/recommendation of Board:

1. Board has reviewed previous Minutes of the Board of Studies Meeting held on 06.06.2022 and Action Taken Report.
2. The vision, mission, PEOs and PSOs of the Civil Engineering department were reviewed. The board has approved the existing vision, mission, PEOs and PSOs.

Board has reviewed schemes and syllabus as follows:



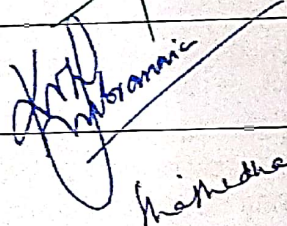
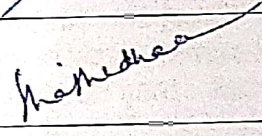
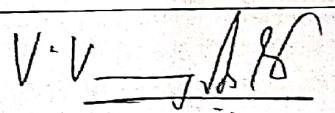
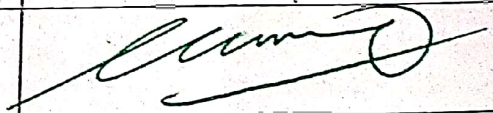
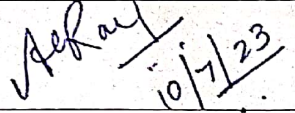
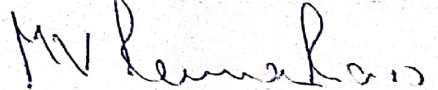
Regulation	Review of Scheme	Review of syllabus
R23	I to VIII Semesters	I and II Semesters
R22	III and IV Semesters	III and IV Semesters
R21	V and VI Semesters	V and VI Semesters
R20	VII and VIII Semesters	VII and VIII Semesters

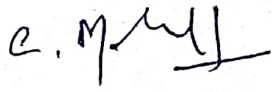
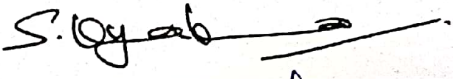
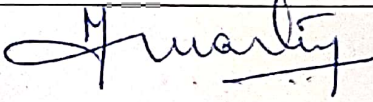
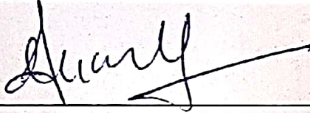

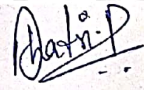

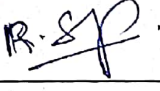

3. **Prof. K.V.L. Subramaniam and Prof. P. Rajasekar** suggested replacing Geology with courses which would add better value to the scheme of Civil Engineering. **Er. P. Surya Prakash** has indicated the importance of the Geology subject in field of Civil Engineering.
4. **Prof. K.V.L. Subramaniam and Prof. V. Vinayaka Ram** suggested to include AutoCAD or use of computer aided drafting tools. **Er. P. Suryaprakash** expressed that it is important to do manual drawing before taking up AutoCAD.
5. **Prof. P. Rajasekar** opined that it is appropriate to offer Fluid mechanics in the same semester as Strength of materials is offered. He pointed out that important concepts to be covered under water resource related courses such as Hydrology and water management, water requirement of crops, flood routing are missing amongst the courses that are being offered currently. **Prof. P. Rajasekar** and **Prof. T. Shashidhar** have suggested to include all the topics relevant to GATE and ESE exams and accordingly revive the syllabus of all the water related courses.
6. **Prof. V. Vinayaka Ram**-enquired about Building materials and Construction course and suggested to rearrange the contents offered under the heading cement and other materials. Also suggested to use word "other materials" instead of using word miscellaneous.
7. **Prof. M. Kumar** enquired about Surveying and Surveying lab syllabus. Further he enquired if the lab and theory courses are running concurrently. **Prof.B.Sridhar** informed that department has reduced obsolete topics of surveying and reduced it to one theory course. However, in the interest of students attending competitive exams and keeping in view of offering more emphasis on using advanced surveying instruments two lab courses are being offered.
8. **Prof. M. Kumar** suggested that programming for engineers, data structures and other programming related courses should be taught by CSE/IT faculty members. Board also reviewed syllabus of AIML and Soft computing and enquired about resource persons available to teach these courses. **Prof.B.Sridhar** informed that given **Prof.M.V.Rama Rao's** pursuit of programming in his career and **Dr.C.Mohanlal** holding a M.Tech. degree in CSE department will be able to manage the those needs of programming related courses. He further informed that Dr.Jayasree and Mr.S Kesav Kumar are being trained to cater the needs in future.
9. **Prof. P. Rajasekar** suggested increasing credits for HHM course as the syllabus covers important concepts.
10. **Prof. P. Rajasekar** opined Hydraulics and Hydraulic Machinery course should be given equal importance as other courses.

11. **Prof. M. Kumar** and other board members expressed that VII-semester has become a heavy semester given that students to undergo 7 theory courses, 2 lab courses and one project seminar. It is suggested to explore the possibilities of reducing the academic load on students during final year of study.
12. **Prof. P. Rajasekar** expressed his views on the imbalance of courses across sub domains of civil engineering. He suggested to bring a balance in number of professional core courses offered under each specialization. He further suggested that few of the advanced courses from structures specialization offered as professional core may be moved to electives and bring the important courses from other streams currently listed under professional elective courses may be moved as professional core courses.
13. **Dr. Anasua Guharay** suggested that concept of CBR in soil mechanics course should be moved from compaction to shear strength chapter. Also suggested to include settlement analysis in foundation engineering course in Bearing capacity chapter.
14. **Prof. P. Rajasekar** suggested to keep one software from each specialization in computer laboratory available to students which would enhance the computational facility being provided to students and encourage students to take up projects.
15. **Prof. V. Vinayaka Ram** suggested following changes in Highway engineering course
  - a) Remove webster method, include only introduction to performance grading other types may be eliminated from syllabus.
  - b) Unit V- Title may be changed to Pavement failures and maintenance –Introduction to stone asphalt and pervious pavements may be incorporated.
  - c) Include HCM and Indo HCM 2018 in syllabus and include a reference for this.
16. **Prof. V. Vinayaka Ram** suggested following changes in Railway and airport course.
  - a) Add Adzing of sleepers
  - b) Modify the term of super elevation to “cant”
  - c) Include a topic on railway safety.
  - d) Include- Points, Signalling and interlocking and remove level crossings and their classification.
  - e) Instead of -Runway orientation and geometric design- Specifically mention windrose diagram I and II
17. **Prof. M. Kumar** suggested to incorporate MX Road software to computational facility at department
18. **Prof. P. Rajasekar** advised to undertake recruitment of faculty from all specializations as department currently doesn't have any faculty member with Water resource Engineering specialization.
19. Board has enquired about BE Minor program and suggested to offer minor in Computer science engineering, Entrepreneurship, Finance & Economics and Data science.

20. **Prof.B.Sridhar** informed the board about proposal of offering minor to be finalized on further deliberations. He also informed the members of the Board that all the suggestions made by them would be duly taken into consideration and the same would be implemented as much as feasible immediately. Content of R24 would be framed accordingly.
21. BOS meeting concluded with **Prof.M.V. Rama Rao** thanking BOS members for the valuable insights towards enhancing the quality of Curriculum.

The meeting ended with a vote of thanks.

S. No.	Name of the member	Signature
1	Dr. B. Sridhar	
2	Prof. P. Rajasekar	
3	Dr. K.V.L. Subramaniam	
4	Dr. T. Shashidhar	
5	Dr. R. Pradeep Kumar	
6	Dr. V. Vinayaka Ram	
7	Dr. M. Kumar	
8	Dr.V.Padamavathi	
9	Dr.AnasuaGuharay	
10	Mr. Er. Sunil	
11	Er. P. Suryaprakash	
12	Dr. M.V. Rama Rao	

S. No.	Name of the member	Signature
13	Dr. T. Srinivas	
14	Dr. C. Mohanlal	
15	Dr. S. Vijaya Kumar	
16	Dr. M.V.S.S. Sastri	
17	Dr.K.Jayasree	
18	Sri. G. Srinivas	
19	Sri. G. Raghavendra	
20	Mrs. P.Dhatri	
21	Mr. S. Kesav Kumar	
22	Ms. R. Sowmya	
23	Mr. J. Chaitanya	
24	Ms. Krati Sharma	