



SRI VENKATESWARA COLLEGE OF ENGINEERING
(An Autonomous Institution, affiliated to Anna University Chennai)
Pennalur, Sriperumbudur-Tk
DEPARTMENT OF CIVIL ENGINEERING

MINUTES OF THE BOARD OF STUDIES MEETING
HELD ON 16-09-2021 (THURSDAY) AT 11.00 A.M
Google meet link : meet.google.com/vxk-jxab-yzq

The following members were present:

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| 1. Dr. S. Krishnamoorthi , Professor, Dept. of Civil Engineering
Kongu Engineering College, Perundurai Erode - 638 060. | University Nominee |
| 2. Dr. R. Senthil , Professor,-Dept. of Civil Engineering,
Anna University, Chennai -600025. | Member
(Subject Expert) |
| 3. Dr. S. Amal Raj , Professor,-Dept. of Civil Engineering,
Anna University, Chennai -600025. | Member
(Subject Expert) |
| 4. Mr. Babu Balaji , Chief Executive Officer,
ABS Consults, Chennai-600044. | Member
(Industrial Expert) |
| 5. Mr. Sai Prasad Vijayakumar
Senior Engineer in L&T Construction, Chennai. | Member
(Alumnus) |
| 6. Dr. P. Venkateswara Rao , Professor – Dept. of Civil Engineering,
Sri Venkateswara College of Engineering. | Member |
| 7. Dr. R. Sathia , Associate Professor – Dept. of Civil Engineering,
Sri Venkateswara College of Engineering. | Member |
| 8. Ms. Ruby Freya , Assistant Professor – Dept. of Civil Engineering,
Sri Venkateswara College of Engineering. | Member |
| 9. Mr. G. Arun , Assistant Professor – Dept. of Civil Engineering,
Sri Venkateswara College of Engineering. | Member |
| 10. Mr. R. Mathiyazhagan , Assistant Professor – Dept. of Civil Engineering,
Sri Venkateswara College of Engineering. | Member |
| 11. Ms. K. SathyaPriya , Assistant Professor- Dept. of Civil Engineering,
Sri Venkateswara College of Engineering. | Member |
| 12. Mr.S.Diravia Balan , Assistant Professor- Dept. of Civil Engineering,
Sri Venkateswara College of Engineering. | Member |
| 13. Mr. R. Kalaivannan , Assistant Professor- Dept. of Civil Engineering,
Sri Venkateswara College of Engineering. | Member |
| 14. Mr.S.Hariswaran , Assistant Professor- Dept. of Civil Engineering,
Sri Venkateswara College of Engineering. | Member |
| 15. Mr.A. Vijay Vignesh , Assistant Professor- Dept. of Civil Engineering,
Sri Venkateswara College of Engineering. | Member |
| 16. Dr. R. Kumutha , Professor & Head,
Dept. of Civil Engineering, Sri Venkateswara College of Engineering. | Chairman |

Agenda:

1. Approval of minutes of BOS meeting held on 17th April 2021
2. Approval of First and Second Semesters Curriculum for R-2022
3. Approval of new Open Elective and Certificate Courses for R-2018
4. Any other

Minutes of the Meeting:

The Chairman welcomed the board of studies members.

- The agenda was briefed to the members.
- The minutes of the previous meeting held on 17th April was approved by all the members.
- The draft curriculum and syllabus for the 1st and 2nd semesters of R-2022 were presented.
- Chairman briefed about the grouping of Engineering Physics and Engineering Chemistry courses department wise and informed that for B.E. Civil engineering, Engineering Physics II and Engineering Chemistry III courses were allotted.
- Engineering Drawing in R2018 has been renamed as “Engineering Drawing for Civil Engineers” and it is being planned as an integrated course of 3 credits with theory and practical components.
- Engineering Practices Laboratory has been split up into two courses as “Basic civil and Mechanical Engineering Laboratory” and “Basic Electrical and Electronics Engineering Laboratory” each with 1 credit.
- The proposed I and II Semesters curriculum for R-2022 is as follows:

S.No.	Course Title	Category	Contact Periods	L	T	P	C
SEMESTER I							
THEORY							
1.	Communicative English (Common to all Branches)	HS	3	3	0	0	3
2.	Engineering Mathematics I (Common to all branches except MR)	BS	4	3	1	0	4
3.	Engineering Physics II (Common to AUT, CVE, MEC)	BS	3	3	0	0	3
4.	Engineering Chemistry III (Common to CH, BT, CE)	BS	3	3	0	0	3
5.	Introduction to Civil Engineering	ES	3	3	0	0	3
6.	Engineering Drawing for Civil Engineers	ES	4	2	0	2	3
PRACTICAL							
7.	Physics Laboratory (Common to all branches)	BS	2	0	0	2	1
8.	Chemistry Laboratory (Common to all branches)	BS	2	0	0	2	1
9.	Basic Civil and Mechanical Engineering Laboratory	ES	2	0	0	2	1
			26	17	1	8	22
SEMESTER II							
THEORY							
1.	Technical English (Common to all branches)	HS	3	3	0	0	3
2.	Engineering Mathematics II	BS	4	3	1	0	4

S.No.	Course Title	Category	Contact Periods	L	T	P	C
	(Common to all branches except MR)						
3.	Environmental Science and Engineering (Common to all branches)	BS	3	3	0	0	3
4.	Computer Programming and Practice (AE, BT, CE, CH, ME)	ES	4	2	0	2	3
5.	Basic Electrical and Electronics Engineering (Common to AE, BT, CE, CS, IT, MR & ME)	ES	3	3	0	0	3
6.	Engineering Mechanics for Civil Engineers	ES	4	3	1	0	4
PRACTICAL							
7.	Basic Electrical and Electronics Engineering Laboratory	ES	2	0	0	2	1
8.	Computer Aided Building Drawing Laboratory	PC	3	0	0	3	2
			26	17	2	7	23

- The draft syllabus for “Engineering Drawing for Civil Engineers” was presented and discussed. The syllabus added in 5th unit was discussed where introduction to computer aided drafting tool and civil engineering drawing will be covered. One of the assessments would be with the computer aided drafting tool.
- The proposed open elective course and the certificate course under R-2018 were presented.
- The course “Principles of Vastu in Interior Design” is planned as an Open Elective course so as to kindle interest among the students of other departments to enroll for this course. The draft syllabus was also presented.
- The draft course contents of the Certificate Course on “Professional Documentation and Presentation Skills using MS Office was presented. It was informed to the members that this course is aimed at improving the graduate attribute set by NBA regarding presentation skills.
- Following are the proposed subjects for R-2018.

S.No.	Course Title	Contact Periods	L	T	P	C
OPEN ELECTIVE COURSE						
1.	Principles of Vastu in Interior Design	3	3	0	0	3
CERTIFICATE COURSE						
1.	Professional Documentation and Presentation Skills using MS Office	30	1	1	0	2

- The essence of draft R-2022 curriculum for all 8 semesters was briefly explained in terms of integrated courses, Industry designed courses, Online courses, Credit transfer courses, Value added courses and Mandatory courses.
- In R-2022, it is proposed to include Essence of Indian Traditional Knowledge as mandatory course.
- Python programming has been introduced in core in few other branches. In civil engineering curriculum, it is available as an Open elective course in R-2018. The chairman opened for discussion if this can be included as core subject for civil engineering in R-2022. It was also informed to the Borad that Feedback is also being collected from the existing students and alumni in this regard.
- Opinion on having a course on “IoT in Civil Engineering” was also requested from the members.

Suggestions from Dr. S. Krishnamoorthi

- The subject titles for Engineering Physics II and Engineering Chemistry III may be modified as “Physics for Engineers”, “Applied Physics”, or “Physics for civil and mechanical engineers” since the titles are misleading as if students are undergoing 3 different papers in Physics and Chemistry.
- He enquired if there is Physics course in the 2nd semester and the chairman said it is not there. Also, it was mentioned that there was only one physics subject in the R-2018 also.
- The syllabus of “Introduction to Civil engineering” is too vast. Building materials, components of building, and other basics alone can be covered. The proposed syllabus is heavy for first year students.
- Since there is computer aided drawing laboratory in the second semester, he enquired the need for computer-based drafting in the “Engineering Drawing for Civil Engineers”. The chairman mentioned that the basics of the software will be covered here and the civil engineering drawings using software will be covered in lab elaborately in next semester.
- He suggested to include only Introduction to civil engineering drawing in the 5th unit with manual drawing in the “Engineering Drawing for Civil Engineers”.
- He enquired if section and elevation are covered in the syllabus of “Computer Aided Building Drawing Laboratory”. It was mentioned that they will be covered.
- Vectors can be included in unit 1 alone in the “Engineering Mechanics for Civil Engineers”. Unit 1 can be modified slightly.
- One credit value added course on Yoga can be added commonly to all branches of engineering. It was informed by the Chairman that NCC, fine arts and yoga are planned to be introduced as general electives in R-2022 as per AICTE model curriculum.
- Principles of Vastu is an emerging trend and it is appreciated to include this subject.

Suggestions from Dr. S. Amalraj

- He enquired if split up of category of courses is ready. Ms. Ruby Freya mentioned that the curriculum presented now is for 1st year. The tentative R-2022 curriculum for all 8 semesters is in draft and split up is worked out similar to AICTE model curriculum in percentage distribution. The complete curriculum and the split up shall be finalized in the next meeting.
- He enquired if topics on carpentry and plumbing are included. The chairman explained that all the topics will be included in the Basic Civil and Mechanical Engineering Laboratory.
- In the syllabus of “Introduction to Civil Engineering”, basic outline of disciplines will be enough rather than introducing sophisticated terminologies.
- Contents for unit 4 in “Engineering Mechanics for Civil Engineers” can be expanded little so as to match with the contents in other Units.
- Water resources engineering Course may be added in the higher semesters. Chairman highlighted that Hydrology and Irrigation Engineering is included in 5th semester. Dr. Amal Raj mentioned still one more subject can be introduced.
- He suggested to modify the curriculum based on GATE syllabus.

Suggestions from Mr. B. Balaji

- The subject titles for Engineering Physics II and Engineering Chemistry III may be modified with the content being common with other branches.
- Syllabus for “Introduction to Civil Engineering” can be reduced.
- While fine tuning the final syllabus for the proposed subjects, the course outcomes also may be included with mapping to POs (Program Outcomes) and PSOs (Program Specific Outcomes).
- As separate course for BIM can be included since in all sectors, it’s in use. The chairman stated that this is already existing as a Value-added course in R-2018 also.
- IoT in Civil Engineering is a good subject since in current scenario, everything is IoT based in all utilities and infrastructure.

Suggestions from Mr. V. Sai Prasad

- Since construction industry is also moving to new trends with respect to data science and analytics, etc, it is appreciated if python programming is included. Being in elective is also fine since not all students will be interested. But the future is towards digitalization and data analytics and students must be oriented towards that.

The chairman informed that the suggestions and recommendations made by the members will be forwarded to Academic Council of SVCE for approval. Finally, the chairman thanked all the members for their presence and valuable suggestions.

Resolutions:

- It was resolved to approve the proposed subjects listed above for addition in the R-2018 curriculum.
- It was resolved to approve the 1st and 2nd semester curriculum and syllabus of R-2022 after incorporating the suggestions from BoS members and due approval from the Academic Council.

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