

**S.A.ENGINEERING COLLEGE, CHENNAI-600 077****(An Autonomous Institution Affiliated to Anna University)****DEPARTMENT OF CIVIL ENGINEERING****MINUTES OF BOARD OF STUDIES MEETING****DATE: 29.02.2020**

S.A.Engineering College, Chennai conducted the meeting of Board of Studies for UG in Department of Civil Engineering as per the guidelines of UGC on 29.02.2020 at 10:00 a.m.

The Following Members were present at the Meeting:

<b>S.NO</b>	<b>NAME &amp; ADDRESS</b>	<b>DESIGNATION</b>
1.	<b>Dr. M. Thanikachalam</b> Professor and Head Department of Civil Engineering S.A. Engineering College Chennai-600 077	Chairperson
2.	<b>Dr. A. Rose Enid Teresa</b> Professor and Head Department of Civil Engineering Rajalakshmi Engineering College Rajalakshmi Nagar Thandalam, Chennai - 602 105.	University Nominee
3.	<b>Dr. R.G. Robinson</b> Professor Department of Civil Engineering IIT Madras, Chennai 600 036.	Subject Expert
4.	<b>Dr. E. S. M. Suresh</b> Professor and Head Civil Engineering Department National Institute of Technical Teachers Training and Research Chennai- 600 113.	Subject Expert
5.	<b>Dr.V.Rajesh Kumar</b> Chief Engineering Manager & Head Larsen & Toubro Limited (L&T) Chennai 600 089.	Representative from Industry
6.	<b>Mr. N. Mohammed Junaid</b> No.21 f2. Reliance Apartments Ammaiammam Street Pulanthope Chennai-600012	Member (PG Meritorious Alumnus)
7.	Dr.M.Tamilselvi, Professor (Construction Engineering and Management)	Member
8.	Mrs.V.Karthika, Asst. Prof. (Environmental Engineering)	Member
9.	Mr.S.Saravanakumar, Asst. Prof (Construction Engineering and Management)	Member

10.	Mr.R. RajAnandh, Asst. Prof (Construction Engineering and Management)	Member
11.	Ms.S. Priyavadhani, Asst. Prof (Structural Engineering)	Member
12.	Mr.G.VinothKanna, Asst.Prof (Construction Engineering and Management)	Member
13.	Ms.N.Aarthi, Asst. Prof (Construction Engineering and Management)	Member
14.	Mr.G.Adharsh, Asst, Prof (Structural Engineering)	Member
15.	Mr.M.Vignesh, Asst. Prof. (Structural Engineering)	Member
16.	Mr.G.KSatheshKumar, Asst. Prof (Structural Engineering)	Member
17.	Mr.K.R.Dheepan, Asst. Prof (Structural Engineering)	Member
18.	Mr.T.Muthukumaran, Asst. Prof. (Structural Engineering)	Member

The Chairperson Dr. **M. Thanikachalam** Board of Studies in Department of Civil Engineering welcomed the Members of Studies.

- The Meeting proceeded to the matters in Agenda:

S.NO	POINTS DISCUSSED AND DESCRIPTION
	<p><b>Curriculum Discussion</b></p> <ul style="list-style-type: none"> <li>• Head of Department presented the proposed subjects for the department from 1<sup>st</sup> semester to 8<sup>th</sup> semester.</li> <li>• The board members compared the curriculum with AICTE norms.</li> <li>• The board members checked the variation of the proposed curriculum with Anna University and AICTE.</li> <li>• The board members suggested to reduce the total number of credits (total number of credits to be fixed between 160-170) and asked to plan for zero credit courses and online courses (NPTEL &amp; MOOC's courses)</li> <li>• The board also asked to reduce the 4 credit laboratory to 3 and asked to go for more integrated course if possible.</li> <li>• The board members insisted on framing the syllabus as per the requirements of competitive examinations such as GATE.</li> <li>• Members suggested that the number of credits for H&amp;S courses can be reduced and more weightage should be given for professional courses.</li> <li>• The board members suggested to provide open electives before 7<sup>th</sup> semesters so that such courses will enable the students to improve their employability.</li> </ul>
	<p><b>Semester wise Subjects Discussion:</b></p> <p><b>Semester I:</b></p> <ul style="list-style-type: none"> <li>• The board members suggested renaming Mathematics Subjects as Engineering Mathematics-I and Engineering Mathematics-II and including topics that are more relevant to civil engineers in the syllabus.</li> </ul>



**Semester II:**

- The board members recommended English for communication in Semester II and Technical English in semester I
- The board members asked to remove the course- **Fundamentals of Material Design**.
- The board recommended integrating BEEE course with its Lab.

**Semester III:**

- The board members suggested including Mandatory Course in semester III & IV.
- The board members suggested to increase the number of subjects gradually and to reduce it in the last two semesters.
- Members suggested life science for engineers or biology for engineers as a course which should be mandated.

**Semester IV:**

- The board members suggested renaming the subjects Mechanics of solids and Strength of Materials as Strength of Materials I & II respectively.
- The board members suggested combining the Courses Construction materials and Construction techniques, equipments & practices as a single course- Construction material, techniques and equipments.

**Semester VI:**

- Board Members asked to remove the subject **Design of reinforced Concrete and Brick Masonry Structures** as it seems to be repeated. So they suggested adding Masonry Structures in previous semester itself.

**Semester VII:**

- The board members suggested not to keep open electives in seventh semester and asked to shift the same to 6<sup>th</sup> Semester.
- Members asked to remove the subject **Structural Dynamics and Earthquake Engineering** and to keep it in Elective.
- The board suggested that the creative projects in the 7<sup>th</sup> semester should be in the form of design projects consisting of design of small structures.




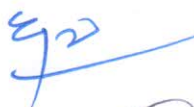


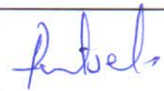
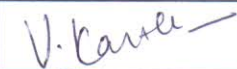


**Semester VIII:**

- The board members discussed about the elective courses to be offered.
- The board members suggested including courses such as hydrology, flooding modeling, irrigation engineering as some of the electives.
- The board recommended in framing electives in such a way that each specialization should be covered in every semester. Such a measure will help students to learn more about a specific specialization which would in turn help them in perceiving their higher studies.

## CERTIFICATE




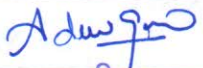
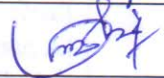

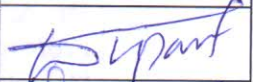
The UG Syllabus of the Department of Civil Engineering, S.A.Engineering College (Autonomous), Chennai for 2020-2021 admission onwards, has been ratified by the Board of Studies of Civil Engineering which met on 29.02.2020 at S.A.Engineering College, Chennai.

## Members Present:

S.NO	NAME & ADDRESS	DESIGNATION	SIGNATURE
1.	<b>Dr. M. Thanikachalam</b> Professor and Head Department of Civil Engineering S.A. Engineering College Chennai-600 077	Chairperson	
2.	<b>Dr. A. Rose Enid Teresa</b> Professor and Head Department of Civil Engineering Rajalakshmi Engineering College Rajalakshmi Nagar Thandalam, Chennai - 602 105.	University Nominee	 29/2/2020
3.	<b>Dr. R.G. Robinson</b> Professor Department of Civil Engineering IIT Madras, Chennai 600 036.	Subject Expert	 29/2/20.
4.	<b>Dr. E. S. M. Suresh</b> Professor and Head Civil Engineering Department National Institute of Technical Teachers Training and Research Chennai- 600 113.	Subject Expert	
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9.	<b>Mr.S.Saravanakumar</b> , Asst. Prof (Construction Engineering and Management)	Member	
10.	<b>Mr.R. RajAnandh</b> , Asst. Prof (Construction Engineering and Management)	Member	



**QMS F08B**

11.	Ms.S. Priyavadhani, Asst. Prof (Structural Engineering)	Member	
12.	Mr.G.VinothKanna, Asst.Prof (Construction Engineering and Management)	Member	
13.	Ms.N.Aarthi, Asst. Prof (Construction Engineering and Management)	Member	
14.	Mr.G.Adharsh, Asst, Prof (Structural Engineering)	Member	
15.	Mr.M.Vignesh, Asst. Prof. (Structural Engineering)	Member	
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