

# DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE



(AUTONOMOUS)  
(Approved by AICTE & Affiliated to Anna University, Chennai)  
Accredited with 'A' Grade by NAAC, Accredited by TCS  
Accredited by NBA with BME, ECE & EEE  
**PERAMBALUR - 621 212. Tamil Nadu.**  
website : [www.dsengg.ac.in](http://www.dsengg.ac.in)



## DEPARTMENT OF CIVIL ENGINEERING

Ref: DSEC/BOS/29<sup>th</sup> April /2021

Date: 29.04.2021



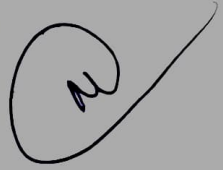



### MINUTES OF BOARD OF STUDIES

The second board of studies meeting for department of civil engineering was held on 29.04.2021 from 10.00am to 11.30am in C-206, with Head of the Department as the chair person.

The following members were present for the BoS meeting.

Meeting Link: <https://meet.google.com/xzb-hwfx-hbo>

S.NO	NAME OF THE MEMBER WITH DESIGNATION AND OFFICIAL ADDRESS	RESPONSIBILITY IN THE BOS	SIGNATURE
1.	Dr.K.Shunmugapriya Professor & Head, Department of Civil Engineering, Dhanalakshmi Srinivasan Engineering College (Autonomous), Perambalur-621212	Chairman	
<b>EXTERNAL MEMBERS:</b>			
1.	Dr. G. Swaminathan, Professor, Dept. of Civil Engineering, NIT, Trichy – 620015 Mail ID: <a href="mailto:gs@nitt.edu">gs@nitt.edu</a> Cell: 9443765457	University Nominee	
2.	Dr. P. Jayabalan Professor, Dept. of Civil Engineering, NIT, Trichy – 620015 Mail ID: <a href="mailto:pjeya@yahoo.com">pjeya@yahoo.com</a> , Cell: 9443173517	Academic Expert	
3.	Dr. C. Sivapragasam Professor, Dept. of Civil Engineering, Kalaśalingam Academy of Research and Education , Krishnan koil – 626126 Mail ID: <a href="mailto:sivapragasam@klu.ac.in">sivapragasam@klu.ac.in</a> Cell: 9894028635.	Academic Expert	

4.	Er. S. Sivakumar Executive Engineer, PWD- WRO, Thanjavur – 613001 Mail ID: sivahare@yahoo.co.in Cell:9047094970	Industrial Expert	
<b>INTERNAL MEMBERS:</b>			
6.	Dr.S.Gopinathan Associate Professor, Department of Civil Engineering, Dhanalakshmi Srinivasan Engineering College (Autonomous), Perambalur-621212	Member	
7.	Ms. M. Vinodhini Assistant Professor, Department of Civil Engineering, Dhanalakshmi Srinivasan Engineering College (Autonomous), Perambalur-621212.	Member	
8.	Mrs. G. Preethi Sindhu, Assistant Professor, Department of Civil Engineering, Dhanalakshmi Srinivasan Engineering College (Autonomous), Perambalur-621212	Member	
9.	Mr. R.K. Manikandan, Assistant Professor, Department of Civil Engineering, Dhanalakshmi Srinivasan Engineering College (Autonomous), Perambalur-621212	Member	
10.	Mr. B. Manibalu, Assistant Professor, Department of Civil Engineering, Dhanalakshmi Srinivasan Engineering College (Autonomous), Perambalur-621212	Member	

**Agenda:**

- Welcome address.
- Presentation of syllabus
- To discuss B.E. Civil Engineering degree syllabus (Semester III to Semester VIII) under autonomous regulation 2020 for the students admitted in the academic year 2020.-2021.
- Approval for Professional Electives for B.E. Civil Engineering course for the students

admitted the academic 2020-2021 onwards.

- Approval for Professional core professional elective, Open Elective and Employability Enhancement Course form III-VIII Semester.
- Any suggestions about the Assessment pattern for professional core, Professional Elective, Open Elective, Employability Enhancement, and project works in higher semester for B.E. Civil Engineering.
- Any other item with the permission of the chair.

### **Minutes of Meeting:**

#### **Item I: Welcome address**

- It started with the welcome address and the external members were greeted and introduction of external members are delivered by Dr.K.Shunmugapriya (Head, Department of Civil Engineering) and the presentation was handed over to chairman Dr.K.Shunmugapriya, Professor & Head, Department of Civil Engineering.
- A detailed introduction about the institution and department was elaborated in brief with the year of start and from this they have highlighted points about the achievement of the department and institution, where in Vision & Mission has been delivered along with the part.

#### **Item II: Presentation of syllabus**

- Curriculum and syllabi presentation was handed over to chairman Dr.K.Shunmugapriya, Chairman (BoS).
- Comparison of credits with Anna University Curriculum and our proposed curriculum R2020.
- In Anna university curriculum, credits were equally distributed in categories like us basic sciences, Humanities Science, Professional Core and Open elective.
- As per AICTE recommendation, the experts felt that as Environmental Science is a mandatory, non-credit course offered under the HS category, the word “Engineering” may be avoided.
- As per expert suggestion, Professional elective–I Site investigation methods and practices and Geotechnical Engineering-II Semester V syllabus content must be changed or to be merged.

- Expert felt that Engineering Survey semester IV must be redefined and modified because some content is heavy and needs to be simplified.
- Expert felt that Environmental Science and Engineering semester III has the syllabus with no engineering topics for which, the expert asked us to change the title as environmental science.
- Expert suggested that Industrial collaboration seminar and Internship can be added in curriculum.
- Advantage of autonomy must be implemented effectively.

**Item III: To discuss B.E. Civil Engineering degree syllabus (Semester III to Semester VIII) under autonomous regulation 2020 for the students admitted in the academic year 2020-2021.**

- Expert felt that the subject Water resources engineering in VII semester may be offered in III or IV semester before environmental engineering (Public Water Supply System & Treatment) so that students can apply some mathematical and computer programming skills in doing interim projects.
- Expert asked Structural analysis in semester V to redefine the syllabus or to split up the subject because they felt that there is only one subject on Structural analysis and it will not be sufficient to cover the basic concepts in this area.
- Expert suggested including some more application in Fluid Mechanics in semester III.
- Municipal Wastewater Engineering semester VI syllabus can be modified and can include more recent technologies and some drawing exercises along with it.
- As per expert suggestion, Orders of experiments can be reordered and modified accordingly based on the hierarchy and “Environmental Engineering Laboratory” name can be changed to “Water and Waste water Analysis Laboratory”.

**Item IV: Approval for Professional Electives for B.E. Civil Engineering course for the students admitted the academic 2020-2021 onwards.**

- Discussed about B.E., Civil Engineering Programme Electives under Autonomous Regulation 2020 for the students admitted in the academic year 2020-2021.
- Expert felt that some COs need improvement in some elective courses. They strongly suggested to refine and reframe the Cos and to avoid long sentences in framing COs.
- Wherein Elective-VI for semester VIII, Professional Practices in Civil Engineering subject may be covered under EEC category.

**Item V: About the Open Electives and EEC:**

- To consider reducing the credits for Professional Core Courses and increasing credits for Professional Electives. The EEC also can be enriched. Project is already there in Anna university older regulation. Only Professional Communication LAB has been added. This can be further enhanced.
- As per suggestion from experts, as open electives are offered to other department students, the subjects U20OCE54-Textile Effluent Treatments and U20OCE74-Airport Planning and Designing seems more specific. U20OCE54 may be offered as Industrial Waste Management or Wealth from Waste. U20OCE74 may be offered with more focus on management related topics. More open elective courses can be offered which will be relevant for other departments.
- Experts suggested to include and encourage to study the subjects related to sensor applications, IoT-based building services and computer aided data analysis.
- In “Integrated Water Resources Management” open elective II expert felt that some contents are missing. Suggested us to modify and add some more contents.
- Under “Air Pollution and Control” open elective II and semester VII, Wherein Expert felt and suggested that Emerging trends in air pollution treatment, control and management can also be discussed.

**Item VI: Suggestions**

- Curriculum is outlined in a traditional way with more focus on professional core subjects. In general, the curriculum covers all aspects of recommended categories of courses.
- Number of credits allocated for employability enhancement courses (EEC) including project works seems less (12 credits).
- Wherein expert felt that already two language subjects are included in first year (Communicative English and Professional English – with 3 credits each) under HS category. Again, semester VI provides Professional Communication (2 credits) under EES category. If possible, all soft skills and language courses can be offered as mandatory and non-credit courses else credits may be reduced.
- For “Professional Ethics” subject, which is offered as Elective-I in semester VI, it has to be made as a mandatory subject for civil engineers and not an elective.

- Experts felt that three options given for Elective-I in semester VI are construction oriented. However, there is no core course on Construction Management, Tools and Techniques in the proposed curriculum. One of the construction management subjects may be offered regularly.

**Item VII: Others**

- One of the external experts suggested giving more credits for professional elective instead of core subjects.
- People from the expert committee suggested to add industrial seminar as comprehensive viva.
- Committee member asked us to reduce the engineering surveying syllabus due to the vast portions.
- Expert members suggested to Foreign Authors in References.

All the points suggested by the BoS experts/Member for curriculum improvement will be considered while forming the syllabus. BoS recommended the above resolutions to be presented in the Academic Council for further approval.

The meeting was conducted at C206 and with vote of thanks by Dr.K.Shunmugapriya, Chairman, BoS and Head of the Department, Department of Civil Engineering.

CC: Concerned Present Members

Chairman,



Board of Studies  
Department of Civil Engineering