

VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY, Madurai-625009,

(Autonomous)

Minutes of the Third Academic Council Meeting

Venue: Seminar Hall-I

Date: 18.12.2023 (Monday)

Time: 10:30 a.m.

Management Representative: Dr. N. Suresh Kumar, Senior Principal and Coordinator, Velammal Institutions (Madurai Region), Madurai.

Chairman (Academic Council): Dr. P. Alli, Principal/VCET

Advisor: Dr. C. Selvaraj, MBA

University Nominees:

1. Dr. G. Umadevi, Professor, Department of Civil Engineering,  
The College of Engineering, Guindy, Anna University, Chennai. (Online)
2. Dr. N. Nandakumar Professor & HoD,  
Faculty of Engineering Design, Govt College of Technology, Coimbatore

Institute Nominees:

1. Dr. R. Harikumar, Professor/ECE, Bannari Amman Institute of Technology, Sathyamangalam.
2. Dr. N. Kannan, Principal, Oxford College of Engineering, Bangalore.
3. Dr. U. Chandrasekhar, Programme Director, CRO, Cambrian Labs, Bangalore. (Online)

Member Secretary: Dr. A. Shunmugalatha Professor/EEE & Dean (Academics)

Members: 1) Dr. S. Vasuki, Professor/ECE & Dean (Student Affairs). 2) Dr. G. Manikandan, Professor/MECH & Dean (Research and Development). 3) Dr. L. Andal, Professor/Civil & Dean (Industry Institute Interaction). 4) Dr. R. Perumalraja, Professor/IT & Dean (Planning and Development). 5) Dr. S. Karthikeyan, Associate Professor/Maths & CoE. 6) Dr. J. P. Annie Sweetlin Jebarani, Professor & HoD/Civil. 7) Dr. R. Deepalakshmi, Professor & HoD/CSE. 8) Dr. K. Kavitha Professor & HoD/ECE. 9) Dr. R. Narmatha Banu, Professor & HoD/EEE. 10) Dr. R. Kavitha, Professor & HoD/IT. 11) Dr. V. Anbumalar Professor & HoD/MECH.

12) Dr. S. Sasikala Professor & HoD/ AI & DS, 13) Dr. V. Selvalakshmi, Associate Professor & HoD/MBA, 14) Dr. C. Sankar, Associate Professor/HoD/Chemistry, 15) Dr. S. Gomathy, Professor & HoD/English, 16) Dr. A. P. Pushpalatha, Professor & HoD/Maths, 17) Dr. R. Rajesh, Associate Professor & HoD/Physics, 18) Dr.S.Dhanalakshmi, Prof./T.EE., 19) Dr. A. V. Deepan Chakravarthi, Associate Professor/Civil, 20) Dr. G. Vinoth Chakravarthy, DCoE & Professor/CSE, 21) Dr. P. Suveetha Dhanaselvam, Professor/ECE, 22) Dr. M. Maran, Professor/MECH, 23) Dr.S.Gopalakrishnan, Librarian, 24) Mr. P. Srinivasa Perumal, TPO, 25) Dr. M. Ponkumar, Physical Director.

S.No	Subject	Action	Responsibility
1.	Welcome Address	<b>Dr. P. Alli, Principal, VCET &amp; Chairman (Academic Council)</b> , welcomed all the members including the University and the Institute nominees to the meeting. She introduced University nominees and the Institute nominees to the members. She proposed the new proposal for the academic year 2024- 2025 as follows, introducing two new courses B. E. CSE (Cyber Security) and B. E. Electronics Engineering (VLSI Design and Technology) with an intake of 60 students in each department. Following that, the Principal also shared the proposal of increasing the intake of B.E. ECE from 120 to 180 which is subject to approval from AICTE, New Delhi and Anna University, Chennai. She requested the Dean (Academics) to move the points of the Agenda Items and requested her to present the Amendments of Regulation-2021 and Regulation-2023 (M.B.A.) to the members present.	<b>Chairman, Academic Council</b>
2.	Items moved by Member Secretary & Dean (Academics)	<b>Dr. A. Shunmugalatha, Dean (Academics) &amp; Member Secretary (Academic Council)</b> presented the five Amendments to Regulations (R-21). 1) To facilitate the incorporation of NPTEL courses as an alternative to Open Elective/ Professional Elective courses, the grade points framework for assessment was approved by all Academic Council Members. (VCET/AC/AMD/2023-24/01) 2) Restrictions in Internship - The student must go for an Internship only through OFFLINE mode. (VCET/AC/AMD/2023-24/02) 3) Naan Mudhalvan Course - The students will be exempted from 2 Professional Electives / Open Electives, once they have completed 3 courses in the Naan Muthalvan	<b>Dean (Academics)</b>

		<p>scheme as per the guidelines from Anna University, Chennai. (VCET/AC/AMD/2023-24/03)</p> <p>4) As per the new Amendments from Anna University, Chennai - Advancement of Courses have been dropped. (VCET/AC/AMD/2023-24/04) and</p> <p>5) There will be an Inclusion of Tamil Courses First Semester: Heritage of Tamils, Second Semester - Tamils and Technologies. (VCET/AC/AMD/2023-24/05).</p> <p>Dean (Academics) requested the HoDs of Civil, CSE, ECE, EEE, &amp; Maths, to present their Amendments to the UG Curriculum and Syllabus of their departments to the University Nominees, the Institute Nominees, and other members of the Academic Council. She also requested the BoS, Chairman AI &amp; DS, CSE (Cyber Security), and EE (VLSI Design and Technology) to present their Curriculum and Syllabus.</p>	
3.	<p><b>Amendments - Regulations (R21) framed for the UG/GP from the Academic year 2021- 2022 under Autonomous</b></p>	<p>Dr. J.P.Annie Sweetlin, Professor and HoD/Civil, BoS Chairman/Civil presented the following:</p> <ul style="list-style-type: none"> <li>• BoS meeting was conducted on 18.12.2023.</li> <li>• A brief overview of the achievements of the department was presented.</li> <li>• Amendments are: <ul style="list-style-type: none"> <li>○ A Professional Core course in Vertical-V by the title, "Irrigation Engineering- 21CE309" from Semester VI is removed</li> <li>○ An open elective from VII semester is moved to VI Semester.</li> <li>○ Professional Electives V and VI are available in the VIII semester.</li> </ul> </li> </ul> <p>Dr. R. Deepalakshmi, Professor and HoD/CSE, BoS Chairman/CSE presented the following:</p> <ul style="list-style-type: none"> <li>• The BoS meeting was conducted on 20.11.2023.</li> <li>• A brief overview of the achievements of the department was presented.</li> <li>• Amendments are: <ul style="list-style-type: none"> <li>○ It is recommended by the Board of Studies of Computer Science and</li> </ul> </li> </ul>	<p><b>BoS Chairman of Civil, CSE, ECE, EEE, Maths, AI &amp; DS, CSE(CY) and EE(VLSI Design and Technology)</b></p>

		<p>Engineering to adhere to the total number of credits with Anna University and AICTE Model Curriculum.</p> <ul style="list-style-type: none"> <li>○ The total number of credits is brought down to 162 from 170.</li> <li>○ Removed the course "21CS306-Embedded System and IoT" from the VI Semester and "21IT401-Big Data Engineering" from the VII Semester due to the inclusion of courses in Naan Mudhalvan Scheme.</li> <li>○ Exempted the course "21CS401- Cryptography and Network Security" from VII Semester considering the availability of Professional Elective.</li> <li>○ Reorganised Open Elective and Professional Elective in Semester VI and VII to maintain consistency with other Departments</li> </ul> <p><b>Dr.K.Kavitha</b>, Professor and HoD/ECE, BoS Chairman/ECE presented the following:</p> <ul style="list-style-type: none"> <li>● BoS meeting was conducted on 22.11.2023.</li> <li>● A brief overview of the achievements of the department was presented.</li> <li>● Amendments are: <ul style="list-style-type: none"> <li>○ Approval of syllabus for Minor Degree Programme in "Embedded Systems and IoT" to be offered by Board of Electronics and Communication Engineering</li> <li>○ Change in Professional Elective and Open Elective Courses in 7<sup>th</sup> and 6<sup>th</sup> Semesters respectively.</li> <li>○ At least one course as Theory with Practical component in each domain bucket which should be a mandatory one to choose.</li> <li>○ It is insisted to ensure the selection of 3 courses from the 'Embedded' bucket and the other 3 courses from the 'IoT' bucket.</li> <li>○ One Open Elective is added and one Professional Core paper is converted into a Professional Elective.</li> </ul> </li> </ul>	
--	--	---	--

		<p><b>Dr. R. Narmatha Banu</b>, Professor and HoD/EEE, BoS Chairman / EEE presented the following:</p> <ul style="list-style-type: none"> <li>• BoS meeting was conducted on 17.11.2023.</li> <li>• A brief overview of the achievements of the department was presented.</li> <li>• Amendments are: <ul style="list-style-type: none"> <li>○ Inclusion of a new course in Vertical VI-High Voltage Engineering to B.E. (EEE).</li> <li>○ Shifting Research Methodology and IPR course from semester III to semester I and Professional Elective from semester I to semester III for PG Programme</li> <li>○ Suggestions given by the BoS experts during the third BoS meeting have been incorporated and the Curriculum and the detailed Syllabus have been prepared accordingly.</li> </ul> </li> </ul> <p><b>Dr. A. P. Pushpalatha</b>, Professor and HoD/Mathematics, BoS Chairman/ Mathematics presented the following:</p> <ul style="list-style-type: none"> <li>• A brief overview of the achievements of the department was presented.</li> <li>• Maths BoS meeting was conducted on 17.11.2023</li> <li>• The syllabus of the course with the title "Probability and Statistics" for the IV Semester for the B.Tech. (AI &amp;DS) was presented.</li> <li>• The syllabus for the Mathematical Foundation for Cyber Security System in the IV Semester of B.E. CSE (Cyber Security) was presented for the academic year 2024-2025</li> <li>• The syllabus of the course with the title, "Quantitative Techniques for Decision Making" for the II Semester of the M.B.A. programme was presented.</li> <li>• The suggestions given by the BoS Experts during the Third BoS meeting have been incorporated into the Curriculum and the detailed Syllabus have been prepared accordingly.</li> </ul>	
--	--	--	--

		<p>Dr. S. Sasikala, Professor and HoD/ AI &amp; DS, BoS Chairman / AI &amp; DS presented the following:</p> <ul style="list-style-type: none"> <li>• At first, she stated the Vision and Mission of the Department.</li> <li>• A brief overview of the achievements of the department was presented.</li> <li>• BoS meeting was conducted on 24.11.2023.</li> <li>• The curriculum and the syllabus for Semester I to Semester VIII B.Tech (AI &amp; DS) were presented to the members along with the list of courses in 5 Verticals with 8 options each. Open Electives (4) offered to Civil, EEE and Mech Engg and One Credit courses (4).</li> </ul> <p>Dr. G. Vinoth Chakkravarthy, DCoE &amp; Professor/CSE, presented the following for B.E. CSE (Cyber Security)</p> <ul style="list-style-type: none"> <li>• At first, he stated the Vision and Mission of the Department.</li> <li>• A brief introduction about the department was given.</li> <li>• BoS meeting was conducted on 06.12.2023</li> <li>• The curriculum and the syllabus for Semester I to Semester VIII of B.E. CSE (Cyber Security) with a total of 165 credits were presented to the members along with the list of courses in 5 Verticals with 6/7 courses, and One Credit courses (5).</li> </ul> <p>Dr. P. Suveetha Dhanaselvam, Professor/ECE, presented the following for B.E. Electronics Engineering (VLSI Design and Technology):</p> <ul style="list-style-type: none"> <li>• At first, she stated the Vision and Mission of the Department.</li> <li>• A brief introduction about the department was given.</li> <li>• BoS meeting was conducted on 06.12.2023</li> <li>• The curriculum and the syllabus for Semester I to Semester VIII B.E. Electronics Engineering (VLSI Design and Technology) with a total of 164 credits were presented to the members along with the list of courses in 3 Verticals with 7 courses each and One Credit courses (4).</li> </ul>	
--	--	---	--

4.	Regulations (R23) framed for the PG - MBA from the Academic year 2023 - 2024 under the Autonomous stream.	<p>Dr. A. Shunmugalatha, Member Secretary (Academic Council) &amp; Dean (Academics) presented the Regulations (R-23) framed for PG-MBA from the Academic year 2023- 2024 under the Autonomous stream.</p> <ul style="list-style-type: none"> <li>• <b>Admission</b> - The Eligibility criteria for the candidate are that he/she should have cleared any appropriate Undergraduate Programme under Anna University or Equivalent as specified under the qualification for admission process as per the Tamil Nadu Single Window Counselling Process.</li> <li>• <b>Structure of the Programme</b> - The course was categorised into five components namely, Foundation Courses (FC), Professional Core Courses (PCC), Professional Elective Courses (PEC), Non-Functional Elective Courses (NEC), and Employability Enhancement Courses (EEC).</li> <li>• <b>Course Per Semester</b> - The curriculum of a semester will normally have a blend of theory and practical courses including Employability Enhancement Courses.</li> <li>• <b>Credit assignment</b> - One Lecture period - 1 credit, One Tutorial period - 1 credit, One Laboratory period including EEC, Seminars, Project, Case Study, etc., - 0.5 credit.</li> <li>• <b>Project Work</b> - The Project work is done in the final semester. The duration for their pursuing project is 16 weeks and for writing the report 4 weeks. The total project duration should exceed 20 weeks. The Project Supervisor should be a Ph.D., Degree holder or with an MBA degree and 2 years of teaching experience. The students must meet their supervisor once a week and attend the review committee meeting to evaluate their progress. The review meeting can be either offline or online mode with the prior approval of the Head of the Institution and essential records must be maintained. The deadline for the submission of the final project is 30 calendar days from the last working day of the semester in which the project is done.</li> <li>• <b>Industrial training/Internship</b> - Students need to undergo an Internship for 4 continuous weeks after completion of the second semester in Industry or Organization (Research/Educational). (1 week = 40 Internship hours). The</li> </ul>	Dean (Academics)
----	---	--	------------------

evaluation will be carried out internally based on the report and viva voce examination constituted by the Head of the Institution. The evaluation mark is 100.

- **Non-Functional Elective Courses (NEC)** - The students are permitted to choose one course from other PG programmes with the approval of the Head of the Department who is offering such courses.
- **Value Added Courses** - The students may optionally choose VAC in the above topics covered in the curriculum to obtain practical and industry-specific knowledge. The course can be offered by any department of the institution with prior approval from the Dean (Academics) and Head of the Institution. No additional charges should be collected from the students. The details of the syllabus, timetable and course coordinator should be sent to the Dean (Academics) at least a month before the course is offered for approval. Students can opt for two courses during the entire programme.
- **Online Courses and Medium of Instruction** - Students are permitted to replace Professional Core/ Professional Electives with two online courses to a maximum of six credits with prior approval of the Dean (Academics) and Head of the Institution. The Medium of Instruction is English for all courses, examinations, seminars, presentations, and project/thesis/dissertation reports.
- **Duration of the Programme** - The minimum and maximum duration of the PG - MBA programme is 4 semesters and 8 semesters respectively. Each semester shall normally consist of 75 working days or 540 periods of 50 minutes each. The minimum credit range is 90-94. The formula for calculating the percentage of attendance.

$$\text{Percentage of Attendance} = \frac{\text{Total no. of periods attended in all the courses per semester}}{\left[ \begin{array}{l} \text{No. of periods / week as prescribed in the curriculum} \\ \text{taken together for all courses of the semester} \end{array} \right] \times 15} \times 100$$



- **Course Registration** - In the first Pre-final semesters, students have the option of dropping existing courses in the semester during the course registration. The students are allowed to drop the course within 30 days of the commencement of the academic schedule.
- **Evaluation of Project work** - Three assessments (each 100 marks) during the semester by a review committee. The total marks obtained by the students are consolidated into 40 marks (Internal). There will be a Viva-voce examination during the End Semester Examination conducted by the Committee consisting of the Supervisor, one Internal Examiner and one External Examiner.

Internal Assessment (40 Marks)			End Semester Examination(60 Marks)			
Review - I	Review - II	Review - III	Project Report Submission (15 Marks)	Viva - Voce (Rounded to 45 Marks)		
			External Examiner	Internal Examiner	External Examiner	Supervisor
10	15	15	15	15	15	15

- **Class Advisor and Mentor** - A Class Advisor will be appointed by the HoD for each class. The responsibilities of the Class Advisor are as follows.
  - To act as the channel of communication between the HoD and the students of the respective class.
  - To collect and maintain various statistical details of students.
  - To help the chairperson of the class committee in planning and conduct of the class committee meetings.
  - To monitor the academic performance of the students including attendance and to inform the class committee.
  - To attend to the student's welfare activities like awards, medals, scholarships,

		<p>and industrial visits.</p> <ul style="list-style-type: none"> <li>• <b>Mentors and their responsibilities -</b> <ul style="list-style-type: none"> <li>i) Normally 20 students are assigned to every mentor for each faculty member.</li> <li>ii) The mentor monitors the progress of the students in academics and personality development.</li> <li>iii) The mentor shall counsel the students on a one-to-one basis as and when required.</li> <li>iv) The mentor supports the Class Advisor in executing their responsibilities.</li> </ul> </li> <li>• <b>Class Committee -</b> A Class Committee consists of teachers of the class concerned, student representatives, and a chairperson who is not teaching the class. It is like the 'Quality Circle' with the overall goal of improving the teaching-learning process. <ul style="list-style-type: none"> <li>i) Clarifying the regulations of the degree programme and the details of rules there which should be displayed on the college Notice Board.</li> <li>ii) Identifying the problems experienced by students in the classroom and the laboratories.</li> <li>iii) Informing the student representatives of the academic schedule including the dates of assessments and the syllabus coverage for each assessment.</li> <li>iv) Analyzing the performance of the students of the class after each test and finding the ways and means of solving problems, if any.</li> <li>v) Identifying the needy students, if any, and requesting the teachers concerned to provide additional guidance or coaching to such students.</li> <li>vi) The Chairperson is required to prepare the minutes of every meeting and submit the same to the Principal within two days of the meeting. The same shall be circulated among the students and faculty members concerned. If there are some points in the minutes requiring action by the Management, the same shall be</li> </ul> </li> </ul>	
--	--	--	--

		<p>brought to the notice of the Management by the Principal.</p> <p>vii) Two or three subsequent meetings shall be conducted in a semester at suitable intervals. During these meetings, the student members representing the entire class shall meaningfully interact and express the opinions and suggestions of the other students to improve the effectiveness of the Teaching-Learning Process.</p> <ul style="list-style-type: none"> <li>• <b>Course Committee for Common Courses -</b></li> </ul> <p>i) Each common theory course offered to more than one discipline or group, shall have a "Course Committee" comprising all the faculty members teaching the common course with one nominated as the course coordinator.</p> <p>ii) The nomination of the course coordinator shall be made by the HoD / Head of the Institution depending upon whether all the faculty members teaching the common course belong to a single department or several departments.</p> <p>iii) The 'Course Committee' shall meet to arrive at a common scheme of evaluation for the test and shall ensure a uniform evaluation of the tests.</p>	
		<ul style="list-style-type: none"> <li>• <b>Attendance requirement for completion of the semester -</b> Ideally every student is expected to attend all classes and earn 100% attendance. However, to allow provision for certain unavoidable reasons such as prolonged hospitalisation /accident/specific illness, the student is expected to earn a minimum of 75% attendance to become eligible to write the End-Semester Examinations. Therefore, every student shall secure at least 75% of overall attendance.</li> </ul> <p>Candidates who secure overall attendance between 65% and 74% in that current semester due to medical reasons may be permitted to appear for the current semester examinations subject to the condition that the candidate shall submit the medical certificate/sports participation certificate to the Head of the Institution. The same shall be forwarded to the Controller of Examinations for record purposes. Candidates who secure less than 65% overall attendance will not be permitted to write the end-semester examination of that current semester and are not permitted to go to the next semester. They are required to repeat the incomplete semester in the next academic year.</p>	

• Procedure for awarding marks for Internal assessment -

**Theory Courses**

IAT I	IAT II	IAT III	TOTAL	IAT CONVERSION	ASSIGNMENT (Seminar/Case Studies/Mini Project)	TOTAL INTERNALS	END SEMESTER EXAMINATIONS
100	100	100	300	30	10	40	60

**Laboratory Courses (Internals marks shall be converted into 60 marks\*)**

Internal Assessment (100 Marks)*	
Evaluation of Laboratory Observation, Record	Model Exam
75	25

**Other EEC (Evaluation of Seminar)** - Seminar / Case Study / Mini Project course is to be considered as purely INTERNAL (with 100% internal marks only). Every student is expected to present a minimum of 2 seminars per semester before the evaluation committee and for each seminar, marks can be equally apportioned. The three-member committee appointed by the Head of the Institution, consisting of the course coordinator and two experts from the Department, will evaluate the seminar. The evaluation shall be based on the seminar paper (40%), presentation(40%), and response to the questions asked during the presentation (20%).

**Other EEC (Evaluation of Summer Internship)** - Industrial / Practical Training, Summer Project, Internship, shall carry 100 marks (20 marks awarded by the Guide, 40 marks for the report, and 40 marks for viva-voce examination) and shall be evaluated through internal assessment only. At the end of the Industrial / Practical Training / Internship / Summer Project, the student shall submit a brief report along with an attendance certificate from the Industry/organisation where he/she has undergone it.

**Other EEC (Evaluation of Creativity and Innovation Laboratory) -** Activity-based courses with both theoretical and practical content are to be considered as purely INTERNAL (with 100% internal marks only). No End-Semester examination is required for this course.

**Assessment for Online Courses -** Students may be permitted to enrol in two online courses with certification, subject to a maximum of six credits. The online course of 3 credits can be considered instead of one elective course. These online courses shall be chosen from the NPTEL platform, provided the offering organization conducts regular examinations and provides marks.

Sl.No.	NPTEL grade points	Equivalent Grade Point in VCET (Section 15.1)	Marks for consideration
1	Elite + Gold/ Top 1%	Outstanding – O	10
2	Elite + Silver / Top 5%	Excellent – A+	9
3	Elite	Very good – A	8
4	Successfully completed	Good – B+	7

Internal marks approved by the Head of the Institution shall be displayed by the respective HoD within 5 days from the last working day.

- **Attendance Record -** Every faculty is required to maintain an 'ATTENDANCE AND ASSESSMENT RECORD', which consists of attendance marked in each lecture or practical or project work class, the test marks, and the record of class work (topics covered), separately for each course. This should be submitted to the HoD periodically (at least three times in a semester) to check the syllabus coverage and the records of test marks and attendance. The HoD and the Head of the Institution will affix their signature with the date after due verification and the same document has to be kept in safe custody for five years. The University or any inspection team appointed by the University may verify the records of

attendance and assessment of both current and previous semesters.

- **Conduct of Academic Audit** - Academic Audit is to be done for every course taught during the semester. The academic records shall be maintained in the form of documentation for the individual Assignments/Case study report/report of the Mini project submitted by each student and assessment test question paper and answer script. A report of industrial training/internship shall also be maintained, if applicable. For laboratory courses, student records shall be maintained. The Head of the Institution shall arrange to conduct the Academic Audit for every course in a semester by forming the respective committees with internal members drawn from various departments of the Institution. The University or any inspection team appointed by the University may verify the records of the Academic Audit report of the courses of both current and previous semesters, as and when required.
- **Requirements for appearing in End-Semester Examination** - A student shall normally be permitted to appear for the End Semester Examinations for all the courses registered in the current semester if he/she has satisfied the semester completion requirements. Further, examination registration by a student is mandatory for all the courses in the current semester and all arrear(s) course(s) for the End Semester examinations failing which, the student will not be permitted to move to the higher semester. A student who has already appeared for any course in a semester and passed the examination is not entitled to reappear in the same subject for improvement of grades.
- **End Semester Examinations** - There shall be an End- Semester Examination of 3 hours duration in each lecture-based course. The examinations shall ordinarily be conducted between October and December during the Odd semesters and between April and June in the Even semesters. For the practical examinations (including project work), both internal and external examiners shall be appointed by the CoE.

		<p>• <b>Weighatge and Distribution of Marks -</b></p> <table border="0"> <tr> <td colspan="2"><b>i) Lecture or Lecture cum Tutorial based course</b></td> </tr> <tr> <td>Internal Assessment</td> <td>- 40%</td> </tr> <tr> <td>End Semester Examination</td> <td>- 60%</td> </tr> <tr> <td colspan="2"><b>ii) Laboratory based courses</b></td> </tr> <tr> <td>Internal Assessment</td> <td>- 60%</td> </tr> <tr> <td>End Semester Examination</td> <td>- 40%</td> </tr> <tr> <td colspan="2"><b>iii) Project work</b></td> </tr> <tr> <td>Internal Assessment</td> <td>- 40%</td> </tr> <tr> <td>Evaluation of Project Report by external examiner</td> <td>- 15%</td> </tr> <tr> <td>Viva-Voce Examination</td> <td>- 45%</td> </tr> <tr> <td colspan="2"><b>iv) Industrial training / Internship/ Practical training / Summer project / Seminar (All Employability Enhancement Courses except Project Work)</b></td> </tr> <tr> <td>Internal Assessment</td> <td>- 100%</td> </tr> </table> <p>• <b>Requirements for passing examinations -</b> A student who secures not less than 50% of total marks prescribed for the course [Internal Assessment + End semester Examinations] with a minimum of 50% of the marks prescribed for the end-semester Examination, shall be declared to have passed the course and acquired the relevant number of credits. This applies to both theory and laboratory courses (including project work). If a student fails to secure a pass in a theory course/laboratory course, the student shall register and appear only for the End-Semester Examination in the subsequent semester. In such case, the internal assessment (IA) marks obtained by the student in the first appearance shall be retained and considered valid for all subsequent attempts till the student secures a pass. From the third attempt onwards if a student fails to obtain pass marks (IA+End Semester Examination), then the student shall be declared to have passed the examination if he/she secures a minimum of 50% marks prescribed for the End Semester Examinations alone.</p>	<b>i) Lecture or Lecture cum Tutorial based course</b>		Internal Assessment	- 40%	End Semester Examination	- 60%	<b>ii) Laboratory based courses</b>		Internal Assessment	- 60%	End Semester Examination	- 40%	<b>iii) Project work</b>		Internal Assessment	- 40%	Evaluation of Project Report by external examiner	- 15%	Viva-Voce Examination	- 45%	<b>iv) Industrial training / Internship/ Practical training / Summer project / Seminar (All Employability Enhancement Courses except Project Work)</b>		Internal Assessment	- 100%	
<b>i) Lecture or Lecture cum Tutorial based course</b>																											
Internal Assessment	- 40%																										
End Semester Examination	- 60%																										
<b>ii) Laboratory based courses</b>																											
Internal Assessment	- 60%																										
End Semester Examination	- 40%																										
<b>iii) Project work</b>																											
Internal Assessment	- 40%																										
Evaluation of Project Report by external examiner	- 15%																										
Viva-Voce Examination	- 45%																										
<b>iv) Industrial training / Internship/ Practical training / Summer project / Seminar (All Employability Enhancement Courses except Project Work)</b>																											
Internal Assessment	- 100%																										

		<ul style="list-style-type: none"> <li>• If the course, in which the student has failed, is a Professional Elective or an Open Elective, the student may be permitted to complete the same course. In such case, the internal assessment marks obtained by the candidate in the first appearance shall be retained and considered valid for all subsequent attempts till the candidate secures a pass. However, from the third attempt onwards if a candidate fails to obtain pass marks (IA + End Semester Examination) then the candidate shall be declared to have passed the examination if he/she secures a minimum of 50% marks prescribed for the end semester examinations alone. If any other professional elective or open elective course is opted for by the student, the previous registration is cancelled and henceforth it is to be considered as a new professional elective or open elective course.</li> <li>• The student has to register and attend the classes, earn the continuous assessment marks, fulfil the attendance requirements as per Clause 10, and appear for the end-semester examination. If a student is absent during the viva – voce examination, it would be considered to be a failure. If a student fails to secure a pass in Project Work-I, the student shall register for the course again in the subsequent semester and can do Project Work-I and II together.</li> <li>• The passing requirement for the courses which are assessed only through purely internal assessments (EEC courses except Project Work and laboratory), is 50% of the internal assessment (continuous assessment) marks only. A student can apply for revaluation of the student's semester examination answer paper in a theory course, as per the guidelines given by the CoE on payment of a prescribed fee along with a prescribed application to the CoE through the HoD and the Head of the Institution. The CoE will arrange for the revaluation and the results will be intimated to the student concerned through the Head of the Institution. Revaluation is not permitted for laboratory courses and EEC courses. A student can apply for revaluation of answer scripts for not exceeding 5 courses at a time.</li> <li>• <b>Review/Revaluation Process</b> - Candidates not satisfied with Revaluation can apply for a Review of his / her examination answer paper in a theory course,</li> </ul>	
--	--	---	--



within the prescribed date on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of the Institution. Candidates applying for Revaluation only are eligible to apply for Review.

- **Award of Letter Grades** - The award of letter grades will be decided using the relative grading principle. The performance of a student will be reported using letter grades, each carrying certain points as detailed below:

Letter Grade	Grade Points
O (Outstanding)	10
A+ (Excellent)	9
A (Very Good)	8
B+ (Good)	7
B (Average)	6
C (Satisfactory)	5
U (Re- Appearance)	0
SA (Shortage of Attendance)	0
W (Withdrawal)	0

The grades O, A+, A, B+, B, C obtained for the one/two credit course (not the part of the curriculum) shall figure in the Grade Sheet under the title '**Value Added Courses / Internship / Industrial training**'. For the students who complete the Audit Course satisfying attendance requirements, the title of the Audit Course will be mentioned in the Grade Sheet. If the attendance requirement is not satisfied, it will not be shown in the Grade Sheet.

- **Grade Sheet** - After results are declared, Grade Sheets will be issued to each

student which contains the following details:

The college in which the candidate has studied. The list of courses registered during the semester and the grade scored. The Grade Point Average (GPA) for the semester. The Cumulative Grade Point Average (CGPA) of all courses enrolled from the first semester onwards. CGPA will be calculated using the Formula

$$GPA \text{ / } CGPA = \frac{\sum_{i=1}^{n_i} C_i GP}{\sum_{i=1} C_i}$$

- **Eligibility for the award of Degree** - A student shall be declared to be eligible for the award of the M.B.A. provided the student has

I. Successfully gained the required number of total credits as specified in the curriculum corresponding to the student's programme within the stipulated time.

II. Completed the course requirements, appeared for the End-Semester Examinations, and passed all the subjects prescribed in all 4 semesters within a maximum period of 4 years reckoned from the commencement of the first semester to which the candidate was admitted.

III. Successfully passed any additional courses prescribed by the Dean (Academics) whenever readmitted under Regulations other than R23 (vide clause 19.3).

IV. No disciplinary action is pending against the student.

V. The award of the Degree must have been approved by the Syndicate of the University.

- **Classification of Degree Awarded -**

**FIRST CLASS WITH DISTINCTION**

Students should have passed the examination in all the courses of all four semesters in the student's First Appearance within three years, which includes

an authorised break of study of one year (if availed). Withdrawal from examination (vide Clause 18) will not be considered as an appearance. Students should have secured a CGPA of not less than 8.50. Students should NOT have been prevented from writing the End Semester Examination due to lack of attendance in any of the courses.

**FIRST CLASS:**

Students should have passed the examination in all the courses of all four semesters within three years, which includes one year of an authorised break of study (if availed) or prevention from writing the End Semester Examination due to lack of attendance (if applicable). Students should have secured a CGPA of not less than 6.50

**SECOND CLASS:**

All other students who qualify (other than first class with distinction/first class) for the award of the degree shall be declared to have passed the examination in Second Class. A student who is absent in a semester examination in a course/project work after having registered for the same shall be considered to have appeared in that examination for classification.

- **Provision for withdrawal from Examination** - A student may, for valid reasons, (medically unfit/unexpected family situations/sports) approved by the Head of the Institution be granted permission to withdraw from appearing for the End Semester Examination in any course or courses in **ANY ONE** of the semester examinations during the entire duration of the degree programme. Withdrawal application is valid if the student is otherwise eligible to write the examination and if it is made within TEN days after the date of the examination(s) in that course or courses and recommended by the HoD and the Head of the Institution and approved by the CoE. For a student to withdraw from a course/courses, he/she should have registered for the course, fulfilled the attendance requirements and earned continuous assessment marks. In case of

		<p>withdrawal from a course/courses, the courses will be reflected in both the Grade Sheet as well as in the Result Sheet. However, withdrawal shall not be considered as an appearance for the eligibility of a student for First Class with Distinction. If a student withdraws from writing End Semester Examinations for a course or courses, he/she shall register for the same in the subsequent semester and write the end-semester examination(s). If a student applies for withdrawal from Project Work, he/she will be permitted to withdraw only after the submission of the project report before the deadline. The student may appear for the viva voce examination within 30 days after the declaration of results for Project Work I and II respectively and the same shall not be considered as reappearance. Withdrawal is permitted for the end-semester examinations in the final semester.</p> <ul style="list-style-type: none"> <li>• <b>Authorized Break of Study from the Programme</b> - A student is permitted to go on an authorised break of study for a maximum period of one year as a single spell. Break of Study shall be granted only once for valid reasons for a maximum of one year during the entire period of study of the degree programme. However, in an extraordinary situation, the student may apply for an additional break of study not exceeding another year. If a student intends to temporarily discontinue the programme in the middle of the semester for valid reasons and to rejoin the programme in a subsequent year, permission may be granted based on the merits of the case. Students permitted to re-join the programme after a break of study/prevention due to lack of attendance, shall be governed by the Curriculum and Regulations in force at the time of rejoining. The students re-joining in the new Regulation shall register for additional courses, if any, as notified by the Dean (Academics) under the current Regulation. These courses may be from any of the semesters of the curriculum in force, to bridge the new curriculum and the old curriculum. In such cases, the total number of credits to be earned by the student may be more than or equal to the total number of credits prescribed in the curriculum in force. The authorised</li> </ul>	
--	--	---	--


		<p>break of study maximum of one year is included in the duration specified for passing all the courses for classification. The total period for completion of the Programme reckoned from, the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period, irrespective of the period of break of study to which he/she may be eligible for the award of the degree. If any student is prevented for want of required attendance, the period of prevention shall not be considered as authorised 'Break of Study'. If a student in full-time mode wants to take up a job/start-up/entrepreneurship during the period of study he/she shall apply for an authorised break of study for one year. The student shall join the job/start-up/entrepreneurship only after getting approval for the same by the Dean (Academics) with due proof to that effect. Students do not need to pay fees during the Break of the Study period.</p> <ul style="list-style-type: none"> <li>• <b>Discipline</b> - Every student is required to observe disciplined and decorous behaviour both inside and outside the college and not to indulge in any activity which brings down the prestige of the University / Institution. <ul style="list-style-type: none"> <li>•The Head of the Institution shall constitute a disciplinary committee consisting of the Head of the Institution and two Heads of Department of which one should be from the faculty of the student, to enquire into acts of indiscipline and notify the University about the disciplinary action taken.</li> <li>•In case of any serious disciplinary action that leads to dismissal, then a committee shall be constituted including one representative from Anna University, Chennai. In this regard, the member will be nominated by the University to get information from the Head of the Institution.</li> <li>•If a student indulges in malpractice in any of the End Semester / internal examinations he/she shall be liable for punitive action as prescribed by the Institution from time to time.</li> </ul> </li> <li>• <b>Revision of Regulations, Curriculum, and Syllabus</b> - The Institution may from time to time revise, amend or change the Regulations, Curriculum,</li> </ul>
--	--	---

		Syllabus, and Scheme of Examinations with due approval of the Academic Council.	
5.	PG - MBA	<p>Dr. V. Selvalakshmi - Associate Professor, HoD &amp; BoS Chairman/ MBA presented the following:</p> <ul style="list-style-type: none"> <li>• At first she stated the Vision and Mission of the MBA department</li> <li>• BoS meeting was conducted on 04.12.2023</li> <li>• A brief overview of achievements of the department was presented.</li> <li>• The curriculum and the syllabus for Semester I to Semester IV with credits of 90 for the MBA programme were presented to the members along with the list of courses in 5 electives in a different stream of specialisations (Financial Management, Marketing Management, Human Resource Management, Operations Management, Business Analytics) and also shared the list of industries identified.</li> </ul>	BoS Chairman (MBA)
6.	Suggestion by Anna University Nominees	<p>Dr. G. Umadevi suggested</p> <ul style="list-style-type: none"> <li>• Merging the Courses Traffic Engineering and Management and Highway Engineering with 2 modules from Traffic Engineering and 3 modules from Highway Engineering.</li> <li>• Inclusion of the Railway Engineering Professional Elective Course Airport, Docks, and Harbour Engineering of Vertical V modules and reframe the course title as Airport, Railway, Docks and Harbour Engineering.</li> </ul> <p>Dr. N. Nandakumar concurred with the points of Dr. R. Harikumar that all HoDs can discuss and decide on the possibility of removal of the Model Exam. There can be two Cycle Tests.</p>	Chairman, Academic Council
7.	Suggestions by Institute Nominees	<p>Dr. R. Harikumar suggested</p> <ul style="list-style-type: none"> <li>○ Deep Learning in AI &amp; DS programme can be renamed as Deep Learning Techniques.</li> <li>○ The course title "Algorithms" can be changed to "Analysis of Algorithms" in the AI &amp; DS programme.</li> </ul> <ul style="list-style-type: none"> <li>• Dr. N. Kannan suggested the AI &amp; DS department to change the course title of</li> </ul>	Chairman, Academic Council

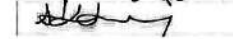
		<p>Deep Learning to Deep Learning Techniques.</p> <ul style="list-style-type: none"> <li>• In the AI &amp; DS programme, a course called "Introduction to AI " can be reframed and renamed as Principles of AI to mean the fundamental concepts of AI.</li> <li>• Inclusion of specialized applications of Probability and Statistics course in AI &amp; DS</li> <li>• <b>Dr. U. Chandrasekhar</b> wanted to ensure the credits of the CSE programme can be maintained in consonance with Anna University and AICTE programmes.</li> <li>• <b>Dr. P. Alli, Principal, VCET and Chairman (Academic Council)</b> advised that Problem Solving and Python Programming can be offered to CSE &amp; IT programmes after C programming.</li> </ul>	
8.	<b>Concluding Remarks</b>	<b>Dr. P. Alli, Principal, VCET and Chairman (Academic Council)</b> thanked all the experts for their active involvement in the discussion and for providing suggestions for improving our curriculum and syllabus. All suggestions were taken seriously and all the feasible suggestions will be incorporated and the same will be informed to the members.	<b>Chairman, Academic Council</b>



Dr. G. Umadevi



Dr. N. Nandakumar



Dr. A. Kunthavai



Dr. U. Chandrasekhar



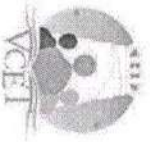
Dr. R. Harikumar



Dr. N. Kannan

  
Member Secretary

  
Chairman



**VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY, MADURAI.**  
**(Autonomous)**  
**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE**

Date: 24.11.2023

Ref No: B.Tech. AI&DS/BoS-I/2023-24

**Minutes of the 1<sup>st</sup> Bos Meeting for B. Tech. (AI&DS)**

The Board of Studies meeting for B.Tech. (Artificial Intelligence and Data Science) was held on 24.11.23(Friday) from 11:00 am to 1:15 pm. The following members attended the meeting.

**Dean (Academics)**

Dr. A. Shunmugalatha, Professor /EEE

**Chairman (Board of Studies)**

Dr. S.Sasikala, Professor & Head, Department of AI & DS.

**University Nominee**

Dr. C. Senthil Kumar, Associate Professor, Thiagarajar College of Engineering, Madurai.

**Subject Experts**

1. Dr.S.Geetha, Professor and Associate Dean (Research), Vellore Institute of Technology, Chennai.

2. Dr.J.Angela Jennifa Sujana, Professor & Head, Department of Artificial Intelligence and Data Science, Mepeco Schlenk Engineering College, Sivakasi

**Industry Expert, (Online)**

Er. Karthik Palanisamy, Cyber Security Architect, Garette – Advancing Motion, Madurai.

**Alumnus**

Mrs. P. Ranya, Assistant Professor, Department of Information Technology, K.L.N. College of Engineering, Madurai.

**Department Bos Members**

1. Dr. M. Raghini, AP/AI & DS

2. Dr. T. Grace Shalini, AP/AI & DS

**BoS/AI&DS/1: Welcome Address and opening remarks by the Chairman, Board of studies-**

**Department of Artificial Intelligence and Data Science**

Dr. A. Shunmugalatha, Professor /EEE and Dean (Academics) welcomed the Bos members and the faculty members. Dr.S.Sasikala, Chairman -Board of Studies presented the highlights of the Institution and the Department in a nutshell. Department Vision, Mission, PEOs, POs and PSOs were presented to the members. The Chairman presented the agenda for the deliberations and discussions of the members.

**BoS/AI&DS/1.2: Presentation of proposed curriculum and syllabus for B.Tech.(Artificial Intelligence and Data Science) for Semester I to VIII, Open Electives (Emerging Technologies), Professional Electives (Vertical 1-6).**



Bos Chairman presented the Curriculum and Syllabi for semester I – VIII of B.Tech. Artificial Intelligence and Data Science under Regulations R-2021 (CBCS).

**Bos/AI&DS/1.3: Suggestions by Bos Members**

1. Dr. C. Senthil Kumar suggested to provide Computer Networks and Operating System as a separate theory and laboratory component respectively to enrich the knowledge of the student instead of theory cum laboratory component.
2. Dr. S. Geetha suggested to include the course Probability and Statistics instead of Stochastics Process and its Applications in fourth semester.
3. Dr.S.Geetha and Dr.J.Angela Jennifa Sujana suggested to include Software Engineering, Design and Analysis of Algorithms as core component courses and also suggested to include recent trend of AI disciplines such as Recommender System, Generative AI and Steganalysis as emerging courses under various verticals.
4. Dr.J.Angela Jennifa Sujana suggested to include programming courses such as Object Oriented Programming and Java as value added courses which in turn helps in placements.
5. Dr. A. Shunmugalatha, Professor/EEE and Dean (Academics) suggested to have theory cum lab component for open electives.
6. Dr. C. Senthil Kumar and Dr. S. Geetha suggested to have five verticals instead of six verticals.

**Bos/AI&DS/1.4: Approval of proposed curriculum and syllabi for semester I – VIII of B.Tech. Artificial Intelligence and Data Science under Regulations R-2021 (CBCS).**

Bos members approved the revised curriculum and syllabi for semester I – VIII of B.Tech. Artificial Intelligence and Data Science programme and Open Electives (Emerging Technologies) for EEE, MECH and CIVIL.

The meeting ended with Vote of Thanks by Dr. A. Shunmugalatha, Professor/EEE and Dean (Academics). The meeting ended at

1:15 pm.

				
University Nominee Dr. C. Senthil Kumar ASP/ICE	Subject Expert 1 Dr.S.Geetha Prof & Associate Dean (Research), VIT	Subject Expert 2 Dr.J.Angela Jennifa Sujana Professor & Head Mepeo Schlenk Engg College	Industry Expert Er. Kartik Palanisamy Cyber Security Architect, Garett – Advancing Motion	Alumnus Mrs. P. Ramya AP/KLNCE
 Bos – Chairman Dr. S.Sasithala, Prof & Head/AI & DS	 Dr. A. Shunmugalatha Dean (Academics)		 Dr. P. Anil Principal	
		Date: 13/12/23		Date: 13/12/23

**VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY, MADURAI-625009.**  
(AUTONOMOUS)

(Accredited by NAAC with 'A' Grade and by NBA for 5 UG Programmes)  
(Approved by AICTE and affiliated to Anna University, Chennai)

**Department of Civil Engineering**

**MINUTES OF MEETING**

**VCET/ACD/BoS/CIV/2023-24/01**

**Date & Time: 18.11.2023 & 2.00pm**

	External Members	Internal Members
		Online
<b>MEMBERS PRESENT</b>	<b>Dr.R. Ponnudurai,</b> University Nominee, Associate Professor, Department of Civil Engineering, Thiagarajar College of Engineering, Madurai	<b>Dr. N. Suresh Kumar,</b> Senior Principal <b>Dr. P. Alli,</b> Principal <b>Dr. A. Shunmugalatha,</b> Dean Academics <b>Dr. L. Andral,</b> Professor / Dean (Industry Institute Interaction (III)) <b>Dr. J.P. Annie Sweetlin Jebarani,</b> Prof / Head, Chariman <b>Dr. A. V. Deepanchakravarthi,</b> Asso. Prof <b>Dr. R. Yuvaraja,</b> AP – II <b>Mr. M. Sathish Kumar,</b> AP – III <b>Ms. S. Venkatapriya,</b> AP – III <b>Mr. M. Deepak,</b> AP – III <b>Dr. J. Vinotha Jenifer,</b> AP -III <b>Mr C Rajendra Prasath,</b> AP - III <b>Mr S Sasikumar,</b> AP - III <b>Mr R Mafaz Ahamed,</b> AP - III
	<b>Dr. S. T. Ramesh,</b> Professor, Department of Civil Engineering, National Institute of Technology, Tiruchirappalli.	
	<b>Dr. S. Thiruganasambandam,</b> Professor, Department of Civil Engineering, Annamalai University.	
	<b>Mr. R John Sandeep,</b> Chief Engineering Manager (Civil), L & T Constructions, B&F, Chennai.	
	<b>Mr. S. Ganesh Bala,</b> Senior Engineer, Khatib&Alami Engineering Pvt Ltd, Bengaluru.	
<b>MEMBERS LEAVE/ON DUTY due to preoccupied work</b>	-	<b>Dr. M. Pandieswari,</b> AP III

<b>Agenda</b>		<b>Suggestions by External members</b>
Welcome Address by Dean III		<b>Dr. L Andal Welcomed the Internal and external members for the meeting</b>
Opening Remarks by the Chairman - Professor & Head		<b>Dr. J.P Annie Sweetlin Jebarani</b> presented the Vision and Mission of the college and the department, the achievements of college and department, Minutes of Previous Board of Studies meetings and the suggestions to be implemented in the present curriculum 2021 and regulations 2021.
Approval for change in curriculum 2021		<p><b>Points presented</b></p> <p>The Board has approved for the following suggestions</p> <ul style="list-style-type: none"> <li>To include Open Elective II in VI semester.</li> <li>To include Professional Elective III in VII semester.</li> <li>The framework of the curriculum is fixed with six Professional Electives and four Open Electives</li> </ul>
Suggestions for Curriculum 2024 B.E.(CIVIL) and regulations 2024		<p><b>General</b></p> <ul style="list-style-type: none"> <li>• Elimination of Engineering Geology course and incorporating important topics in Soil Mechanics</li> <li>• Merging of courses Fluid Mechanics and Hydraulics and Hydraulic Machinery in to a Theory with Practical course as Fluid Mechanics and Machineries.</li> <li>• Merging of courses Water Supply Engineering, Wastewater Engineering and Water and Wastewater Analysis Laboratory in to a Theory with Practical course as Water Supply and Wastewater Engineering.</li> <li>• Merging of courses Mechanics of solids and Strength of Materials.</li> </ul> <p><b>Dr. S. T. Ramesh.</b></p> <ul style="list-style-type: none"> <li>• Suggested not to use the name of the softwares and companies for coining the name of the one credit courses.</li> <li>• Insisted to change the eligibility criteria for the advancement of courses, CGPA shall be reduced to 7 or 7.5 instead of 8.</li> <li>• Suggested to merge the advancement of courses classes along with the senior classes.</li> </ul>

- Recommended to mentor the students to take-up the advancement of courses and move on to internships and industrial training during their VIII semester.

**Dr. L. Anddal Dean (III)** prompted regarding the best practices followed at NIT, Trichy Discussions on regulations and policies of National Institute of Technology, Trichy

The total credits are limited below 160, which includes 16 Core courses and 3 Professional Electives and 7 Open Elective courses along with the other mandatory and value added courses.

They offer a minor degree in Computer Science with 15 credits earned through 5 courses.

They offer a Honors degree with 12 credits earned through 4 courses.

Students shall begin their projects at the end of II semester, which shall also be a Multi-Disciplinary Project grouped along with the students of other discipline and the Guides may also be selected from the discipline of their interests.

An extensive importance has been given for Industrial training, Internships even from foreign countries through fellowships during VI semester summer vacation as a part of their curriculum. Relaxation are also being provided for the students such that they can come and join the classes even after 1.5 months after the commencement of the classes in the case of foreign internships.

They follow a relative grading pattern for the students based on class average, whom ever comes above the class average comes under category A and below the class average comes under category C.

Formative assessment pattern is being followed for the slow learners which involves a different mode of learning and assessment patterns like Problem solving and assignments etc. as per the wish of the faculty members concerned. These assessment methods are adopted only when the student fails in supplementary examinations conducted periodically to clear their backlogs even after their VI semesters.

Before convocation special supplementary examinations will be conducted for the final year students to clear their backlogs and move on graduated along with their batch mates

They follow a tailor made assessment policies framed by individual faculty members but not a common policy of assessments

Students securing CGPA of 7.5 and above falls under First class with Distinction, 6.5 - 7.5 with or without history of arrears falls under First class and below 6.5 with or without history of arrears falls under second class. Students with any authorized breaks due to medical reasons are also allowed to take-up the examinations along with regular students so that they shall not miss first classes and distinctions.

The students are given with three grades namely F grade is for students who are absent in any of assessments, V grade is for students with shortage of attendance, X grade is for candidates who are absent only in end semester assessments. Supplementary examinations will be conducted for students securing F grade and the students with backlogs for 100 marks and the students with X grade shall takeup only the missed portions so that they shall be able to secure good grades.

**Dr. L. Anddal, Dean (III)** enquired regarding the placement initiatives to be carried out to make students as Industry ready Engineers.

**Dr. J.P. Annie Sweetlin Jebarani, Professor & Head/ Civil Engineering** asked for the suggestions regarding the alternative platforms that can be included in addition to NPTEL for online courses.

**Mr. R John Sandeep**

- Suggested not to use the name of the softwares and companies for coining the name of the One Credit courses.
- Recommended to make the students to be stronger in basic Engineering concepts and send them for more number of Inplant trainings which would boost their confidence levels and also help them to choose their career.
- Suggested to make the students to concentrate more on softskills and communication skills which could be helpful for them in their placements.
- Appreciated for having included the courses like Design Thinking, Innovation by Design which are in advanced levels that are being adopted for the employees of various Multi-National Companies.
- Suggested to include courses in the context of Problem Solving Techniques which could favour the Engineers to identify the root-cause of the major technical issues.

- Suggested for including L&T Edutech as an additional platform for Online courses which the students can takeup instead of Professional/Open Elective if possible

**Dr. S. Thiruganasambandam**

- Suggested to implement the policies of NIT, Trichy
- Agreed with the suggestions of other experts that it is not advisable to use the name of the softwares and companies offering the program for coining the name of the One Credit courses.
- Approved to merge the courses such as Fluid mechanics, Hydraulics and Hydraulic machineries in to a Theory with Practical course.
- Approved to merge the courses such as Water Supply Engineering, Wastewater Engineering and Water and Wastewater Analysis Laboratory in to a Theory with Practical course.

**Dr. J.P. Annie Sweetlin Jebarani, Professor & Head/ Civil Engineering** asked for the suggestions regarding the regulations followed at TCE for Theory with Practical courses.

**Dr. R. Ponnudurai**

- Recommended to include the Courses related to the context of Lateral Thinking which focuses on problem solving techniques in one credit courses.
- Recommended to make the students to follow the same policy adopted as of now for theory with Practical courses which is being followed at TCE also. – The student has to reappear in both theory and lab exams if he fails in any of the two or both theory and practical
- Suggested to include courses on Differential Global Positioning Systems which is currently an alternative for Total Station in One credit courses.

**Mr. S. Ganesh Bala**

**Dr. J.P. Annie Sweetlin Jebarani, Professor & Head/ Civil Engineering** asked for the suggestions from our Alumnus Mr. S Ganesh Bala whose suggestions may help in refining the curriculum by inculcating the state of art practices to be taught to the students.

- Suggested to include the softwares related to hydrology, water supply and wastewater treatment designs in one credit courses.

	<ul style="list-style-type: none"> <li>Recommended to include Bentley as an additional platform for Online courses which the students can takeup instead of Professional/Open Elective if possible</li> </ul> <p><b>Dr. A. Shunmugalatha (Dean Academics)</b></p> <ul style="list-style-type: none"> <li>Clarified queries on Professional Elective and Open Elective courses and about the uniformity in the curriculum of VCET to concerned expert members.</li> </ul>
<p>Concluding Remarks</p>	<p>The Expert members suggested that the current syllabus is well-structured; however, the above suggestions will enhance the quality and bring the course of study in better stream flow. Upon closing, <b>Dr. J.P. Annie Sweetlin Jebarani Professor &amp; Head/ Civil Engineering</b>, thanked the expert members, Senior Principal, Principal, Dean (Academics) and internal members towards the smooth conduct of the meeting.</p>

*Ponnudurai*  
18/11/23  
BoS Member  
**Dr. R. Ponnudurai**  
(Anna University Nominee)

*Annie*  
18/11/23  
BoS Chairman  
**Dr. J.P. Annie Sweetlin Jebarani**

*A. Shunmugalatha*  
18/11/23  
Dean (Academics)  
**Dr. A. Shunmugalatha**

*Dr. P. P. Ali*  
Principal  
**Dr. P. P. Ali**

*S. Ramesh*  
(Dr. S. Ramesh)

SUBJECT EXPERT  
FROM OUTSIDE  
PARENT UNIVERSITY



**VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(Autonomous)  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Date: 29.11.2023

Ref No: CSE/BoS-III /2023-24

**MINUTES OF THE MEETING**

The Board of Studies Meeting - III for the B.E. Computer Science and Engineering was held on 20.11.23 (Monday) through Online Mode.

**MEMBERS PRESENT**

Principal – Dr.P.Alli, Velammal College of Engineering and Technology, Madurai  
Dean (Academics) – Dr. A. Shunmugalatha, Professor-EEE, VCET, Madurai  
Chairman (Board of Studies) - Dr. R.Deepalakshmi, Professor & Head-CSE, VCET  
University Nominee - Dr. C. Senthil Kumar, Associate Professor, TCE, Madurai  
Subject Expert - Dr. T.Senthil Kumar, Associate Professor ,Amirtha College of Engineering, Coimbatore  
Subject Expert – Dr. N. Kannan, Principal/Oxford College of Engineering, Bengaluru  
Industry Expert – Mr. Rajesh Britto, GARETTE, Madurai  
Alumnus – Mr.B.Mukunth, Test Lead, Victoria's Secret & Co., Bengaluru  
All CSE Department Faculty Members

**BOS/CSE/3.1: Welcome Address and opening remarks by the Chairman, Board of studies-  
Department of Computer Science and Engineering**

Dr. R. Deepalakshmi, Chairman of Board of Studies for the Department of Computer Science and Engineering, welcomed expert members and faculty members to a significant meeting. She expressed gratitude for their commitment to academic excellence and highlighted the importance of their presence. Dr. R.Deepalakshmi briefly outlined the Institution and Department key features and emphasized the collective Vision, Mission, and goals. The Program Educational Objectives (PEOs), Program Outcomes (POs), and Program Specific Outcomes (PSOs) were presented as integral for shaping future technology leaders.

Dr. R. Deepalakshmi emphasized the importance of insights and recommendations for enhancing the educational experience. The opening remarks set a positive tone for the meeting, expressing confidence in the collective efforts to contribute to the Department success. The BoS Chairman placed the following agenda for the deliberations and discussions of the members. The following are the deliberations made during the meeting.



### **BOS/CSE/3.2: Points for Amendments**

- Open Elective-II has been moved from Semester-VII to follow the same Curriculum Structure throughout the College
- The course "21CS401-Cryptography and Network Security" has not considered, since it is available in Verticals-IV.

The proposed amendments were considered by the expert members, and it was agreed that these changes would be implemented.

### **BOS/CSE/3.3: Approval of proposed changes in the curriculum of Regulations R-2021 for B.E. Computer Science and Engineering (CBCS) from I to VIII Semesters**

The expert members have approved the changes in the curriculum of Regulations R-2021 for B.E. Computer Science and Engineering (CBCS) from I to VIII Semesters.

### **BOS/CSE/3.4: "Guidelines for Developing Curriculum and Syllabi for the forthcoming Regulations R-2025"**

- Dr. C. Senthil Kumar & Dr.N.Kannan suggested to format the curriculum in accordance with Anna University credit system (162) while also taking into account credits from other Departments.
- Dr. T.Senthil Kumar recommended to prioritize placement activities with increased emphasis and focus.

Following are the recommendations provided by the members. The BoS Chairman stated that the valuable suggestions would be appropriately integrated into the Curriculum and Syllabi. The specific changes implemented are as follows:

#### **Semester VI:**

- Dr. A. Shunmugalatha suggested to eliminate the tutorial hours in the course "21CS305-Compiler Design," with a reduction of one credit.
- Dr. A. Shunmugalatha suggested to replace the course "21CS306-Embedded and IoT" by the course "21CS402-Data Science" (VII Semester).
- Dr. R. Deepalakshmi mentioned that Open Elective-II course has been moved from Semester-VII.

#### **Semester VII:**

- "21CS401-Cryptography and Network Security" has not considered, since it is available in Verticals-IV.
- The course "21IT401-Big Data Engineering" is exempted, since it has been taught in the Naan Mudhalvan Scheme during V Semester.

By incorporating the aforementioned modifications, the total number of credits has been revised to 162, a reduction from the initial total of 170.

BOS/CSE/3.5: General Suggestions from BoS Expert Members

Following the recommendations provided by the expert members, the BoS Chairman stated that these suggestions would be incorporated.



University Nominee  
Dr. C. Senthil Kumar



Subject Expert1  
Dr. N. Kannan



Subject Expert 2  
Dr. T. Senthilkumar



Industry Expert  
Mr. Rajesh Britto



Alumni  
Mr. B. Mukunth



BoS Chairman  
Dr. R. Deepalakshmi



Dean (Academics)  
Dr. A. Shunmugalatha



Principal  
Dr. P. Alli

**VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY  
(AUTONOMOUS), MADURAI – 625009**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Minutes of the 3<sup>rd</sup> Board of Studies Meeting**

The 3<sup>rd</sup> Board of Studies Meeting of Department of ECE was held on 22<sup>nd</sup> November, 2023 at 09:30 a.m. in Online Mode.

Following members were present during the meeting:

Sl.No.	Name and Designation	Role	Signature
1.	Dr. K. Kavitha, HOD/ECE	Chairman, BOS/ECE	K. Kavitha
2.	Dr.L.Nithyanandan Professor Puducherry Technological University, Puducherry	University Nominee	L.Nithyanandan
3.	Dr.D.Sriram Kumar Professor/ECE National Institute of Technology, Trichy	Subject Experts	D. Sriram Kumar
4.	Dr.G.Nagarajan Professor/ECE Pondicherry Engineering College, Puducherry		G. Nagarajan
5.	Dr. V.V.Pathy Business Development Manager Keysight Technologies, Bengaluru	Industry Expert	V.V. Pathy
6.	Ms. N.Susithra Assistant Professor PSG Institute of Technology and Applied Research, Coimbatore	Alumnus	N. Susithra
7.	Dr.N.Suresh Kumar, Professor & Senior Principal, VCET	Internal Members	H. I.
8.	Dr. S. Vasuki, Professor & Dean (Student Affairs)		S. Vasuki
9.	Dr. P. Suveetha Dhanaselvam		P. S. S.
10.	Dr. P. Rajeswari		P. Rajeswari
11.	Dr. K. Kavitha		K. Kavitha
12.	Dr. P. Karthikeyan		P. Karthikeyan

13.	Dr. S. Gandhimathi @ Usha		
14.	Dr. J. Siva Sankari		
15.	Mr. A. Suban		
16.	Mr. P. Anand		
17.	Mr. G. Pradeep Kumar		
18.	Mr. M. Sakthivel		
19.	Ms. A. Alaimahal		
20.	Mr. K. Karthik		
21.	Mr. B. Karthikeyan		
22.	Dr. B. Muneeswari		
23.	Dr. N. Nagarani		
24.	Mr. L. Vinoth Kumar		
25.	Ms. V. G. Janani		
26.	Mr. S. Vijay Gokul		
27.	Mr. R. Karthi Kumar		
28.	Dr. P. Uma Maheswari		

Item no:	Resolutions
BOS / ECE 3.1	<p><b>Welcome Address and Opening Remarks by the Chairman, Board of Studies</b></p> <p>Dr. K. Kavitha, Chairman, Board of Studies of ECE welcomed and introduced the members of Third Board of Studies.</p>
BOS / ECE 3.2	<p><b>Approval of syllabus for Minor Degree Programme in Embedded Systems and IoT to be offered by Board of Electronics and Communication Engineering</b></p> <ul style="list-style-type: none"> <li>• Dr. K. Kavitha, Chairman- Board of Studies of ECE presented the List of Courses &amp; Syllabi in "Embedded and IoT" domain and requested the board to confirm and recommend the set of courses as a minor degree programme to be offered by Department of Electronics and Communication Engineering.</li> <li>• The BOS went through the syllabi of the same and resolved to approve the same.</li> </ul>

BOS / ECE 3.3	:	<p><b>Amendment regarding Change in the Curriculum of ECE for interchanging of a Professional Elective and an Open Elective Courses in 7<sup>th</sup> and 6<sup>th</sup> Semester respectively</b></p> <ul style="list-style-type: none"> <li>• Dr. K. Kavitha, Chairman, Board of Studies of ECE issued amendment for interchanging the category of elective in the curriculum for Semester VI and semester VII respectively.</li> <li>• The changes are the interchange of Professional Elective III from Semester VI and Open Elective from Semester VII.</li> <li>• The amended course will carry 3 credits each.</li> <li>• The BoS resolved to ratify the same. The BoS went through Curriculum of the same and resolved to approve the same.</li> </ul>
BOS / ECE 3.4	:	<p><b>Suggestions by BoS Members</b></p>
		<p><b><u>Minor Degree: Embedded Systems and IoT</u></b></p>
3.4.1	:	<p>It is suggested that the total of 10 courses in the Minor Degree shall be offered with 5 courses in two domain buckets say 'Embedded' and 'IoT' each. It is recommended to make atleast one course as Theory with Practical component in each domain bucket which should be mandatory one to opt. Moreover, it is insisted to ensure whether the students opt 3 courses from each of 'Embedded' and 'IoT' domain bucket respectively.</p>
3.4.2	:	<p>It is suggested to coin course code with unique course category for Minor Degree to differentiate with the regular Professional Elective (PE) category and make them distinct.</p>
3.4.3	:	<p>It is recommended to offer Minor Degree programme to not only for Civil, Mechanical and EEE but also to all other departments.</p>
3.4.4	:	<p>The Syllabi of the courses "Sensors and Devices" and "Introduction to IoT and its Applications" seems to cover the physical layer alone. So, it is suggested to reframe the syllabi covering maximum layers and to drop the course "Sensors and Devices".</p>
3.4.5	:	<p>It is recommended to offer "Microcontrollers and Embedded C Programming" and "Introduction to IoT and its Applications" as Theory with Practical courses from each domain buckets which are mandatory one to opt. Also, it is insisted to design the courses as "Theory with Practical" component instead of 'Theory' component alone to the maximum possible extent.</p>
3.4.6	:	<p>It is suggested to revisit the mini project as assignment/practical component to enable other department students to successfully complete the course with ease.</p>

3.4.7	:	It is recommended to include Case Studies on World Wide Smart Cities for the course IoT for Smart Cities in unit 5. Also, it is suggested to have case studies in unit 5 of all courses uniformly.
3.4.8	:	It is suggested to consider an extensive collaboration with the Agricultural Colleges/University especially for the subject "IoT for Smart Agriculture".
3.4.9	:	Uniform number of the text books to be recommended for all the subjects and books and materials can be listed under "References and Learning Resource".
3.4.10	:	It is suggested to include more number of Health Care Courses relevant to IoT domain.

Board of Studies has confirmed and recommended the above resolutions to be presented in the Academic Council for further approval.

Dr.K.Kavitha, Chairman/Board of Studies of ECE has thanked all the members for their kind cooperation and the meeting came to an end.

*L. Srinivas*  
*S. Srinivas*  
*A. Srinivas*  
*P. Srinivas*  
*N. Srinivas*

Expert Members

*Dr. K. Kavitha*  
*P. Srinivas*  
*S. Srinivas*  
*A. Srinivas*  
*P. Srinivas*  
*N. Srinivas*  
*V. Srinivas*  
*P. Srinivas*  
*P. Srinivas*

*M. Srinivas*  
*P. Srinivas*  
*S. Srinivas*  
*N. Srinivas*  
*P. Srinivas*  
*S. Srinivas*  
*P. Srinivas*  
*S. Srinivas*

BoS Members

*K. Kavitha*  
 Chairman/ BOS-ECE

*S. Srinivas*  
 Dean (Academics)

*P. Srinivas*  
 Principal



Kavitha ECE1942 &lt;kavi@vcet.ac.in&gt;

**Approval for the change in Professional and Open Electives- reg.,**

3 messages

Kavitha ECE1942 &lt;kavi@vcet.ac.in&gt;

Mon, Dec 11, 2023 at 4:26 PM

To: "Dr. Nithyanandan Lakshmanan" &lt;nithi@ptuniv.edu.in&gt;, nithi@pec.edu

Respected Sir,

Good Evening Sir. From our College, it is decided to maintain Uniform Number of Professional Electives and Open Electives for all the Departments. In our VCET R21- ECE Curriculum, there are Six Professional Electives and Three Open Electives. In order to maintain the uniformity insisted in the college, kindly permit us to change a Professional Core Course (Mobile Communication) as a Professional Elective and convert one Professional Elective as Open Elective so that there will be Six Professional Electives and Four Open Electives. We will move the Course "Mobile Communication" under the Vertical VII and High Speed Communication and Vertical VII be renamed as Mobile and High Speed Communication.

I herewith attached the curriculum for your reference. Kindly advise in this regard and approve the same if it is fine Sir.

Thanking You,

**Dr.K.Kavitha, M.E., Ph.D.,  
Professor and Head  
Department of ECE**

**Velammal College of Engineering and Technology (Autonomous), Madurai -  
625009**

Curriculum for GB (1).docx  
178K

Dr. Nithyanandan Lakshmanan &lt;nithi@ptuniv.edu.in&gt;

Mon, Dec 11, 2023 at 6:25 PM

To: Kavitha ECE1942 &lt;kavi@vcet.ac.in&gt;

Madam,

The suggested modification is accepted and APPROVED.

Warm Regards,  
L.Nithyanandan.  
[Quoted text hidden]

Kavitha ECE1942 &lt;kavi@vcet.ac.in&gt;

Mon, Dec 11, 2023 at 8:40 PM

To: "Dr. Nithyanandan Lakshmanan" &lt;nithi@ptuniv.edu.in&gt;

Respected Sir,  
Thank you so much Sir.

regards,  
[Quoted text hidden]

k.kavitha  
11/12/23

BOS chairman/ECE/VCET



Kavitha ECE1942 &lt;kavi@vcet.ac.in&gt;

## Approval for the change in Professional and Open Electives- reg.,

2 messages

Kavitha ECE1942 <kavi@vcet.ac.in>  
To: "D.Sriram kumar" <srk@nitt.edu>

Mon, Dec 11, 2023 at 9:12 PM

Respected Sir,

Good Evening Sir. From our College, it is decided to maintain Uniform Number of Professional Electives and Open Electives for all the Departments. In our VCET R21- ECE Curriculum, there are Six Professional Electives and Three Open Electives. In order to maintain the uniformity insisted in the college, kindly permit us to change a Professional Core Course (Mobile Communication) as a Professional Elective and convert one Professional Elective as Open Elective so that there will be Six Professional Electives and Four Open Electives. We will move the Course "Mobile Communication" under the Vertical VII and High Speed Communication and Vertical VII be renamed as Mobile and High Speed Communication.

I herewith attached the curriculum for your reference. Kindly advise in this regard and approve the same if it is fine Sir.

Thanking You,  
regards,

**Dr.K.Kavitha, M.E., Ph.D.,  
Professor and Head  
Department of ECE**

**Velammal College of Engineering and Technology (Autonomous), Madurai -  
625009**

Curriculum for GB (1).docx  
178K

D.Sriram kumar <srk@nitt.edu>  
To: Kavitha ECE1942 <kavi@vcet.ac.in>

Tue, Dec 12, 2023 at 9:50 AM

Noted Prof. Fine with it.

Approved.

Sriram  
NITT

Quoting Kavitha ECE1942 &lt;kavi@vcet.ac.in&gt;:

Respected Sir,

Good Evening Sir. From our College, it is decided to maintain Uniform Number of Professional Electives and Open Electives for all the Departments. In our VCET R21- ECE Curriculum, there are Six Professional Electives and Three Open Electives. In order to maintain the uniformity insisted in the college, kindly permit us to change a Professional Core Course (Mobile Communication) as a Professional Elective and convert one Professional Elective as Open Elective so that there will be Six Professional Electives and Four Open Electives. We will move the Course "Mobile Communication" under the Vertical VII and High Speed Communication and Vertical VII be renamed as Mobile and High Speed Communication.

I herewith attached the curriculum for your reference. Kindly advise in this regard and approve the same if it is fine Sir.

Thanking You,

*K. Kavitha*  
*11/12/23*  
*BOS Chairman/ECE/VCET*





Kavitha ECE1942 <kavi@vcet.ac.in>

**Approval for the change in Professional and Open Electives- reg.,**

2 messages

Kavitha ECE1942 <kavi@vcet.ac.in>

Mon, Dec 11, 2023 at 9:13 PM

To: "Dr.Nagarajan Ganesan" <nagarajanpec@ptuniv.edu.in>

Respected Sir,

Good Evening Sir. From our College, it is decided to maintain Uniform Number of Professional Electives and Open Electives for all the Departments. In our VCET R21- ECE Curriculum, there are Six Professional Electives and Three Open Electives. In order to maintain the uniformity insisted in the college, kindly permit us to change a Professional Core Course (Mobile Communication) as a Professional Elective and convert one Professional Elective as Open Elective so that there will be Six Professional Electives and Four Open Electives. We will move the Course "Mobile Communication" under the Vertical VII and High Speed Communication and Vertical VII be renamed as Mobile and High Speed Communication.

I herewith attached the curriculum for your reference. Kindly advise in this regard and approve the same if it is fine Sir.

Thanking You,

regards,

**Dr.K.Kavitha, M.E., Ph.D.,**

**Professor and Head**

**Department of ECE**

**Velammal College of Engineering and Technology (Autonomous), Madurai -**

**625009**

Curriculum for GB (1).docx  
178K

Dr.Nagarajan Ganesan <nagarajanpec@ptuniv.edu.in>

Mon, Dec 11, 2023 at 9:20 PM

To: Kavitha ECE1942 <kavi@vcet.ac.in>

Madam,

I agree for your proposal

[Quoted text hidden]

VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY, MADURAI

(AUTONOMOUS)

Department of Electrical and Electronics Engineering

Third Board of Studies Meeting

MINUTES OF MEETING

VCET/ACD/BoS/Dept/2023-24/03

Date & Time: 17.11.2023 & 10.00 a.m.

MEMBERS PRESENT	External Members	Internal Members
	Online	
	<p>Dr. M. Sundaram Associate Professor, Department of EEE, PSG College of Technology, Coimbatore – 641 004. <b>(University Nominee)</b></p> <p>Dr. R. Gnanadass Professor / EEE, Pondicherry Engineering College, Puducherry – 605 014. <b>(Subject expert)</b></p> <p>Dr. P. Raja Associate Professor/EEE , National Institute of Technology, Tiruchirappalli – 620 015 <b>(Subject expert)</b></p> <p>Er. J. Britto sahayam Vice President –Projects, BGR Energy Systems Ltd., Chennai – 600 018. <b>(Representative from Industry)</b></p> <p>Er. G. Kadhar Mohideen Senior Data Engineer-Senior Credit Risk Analyst, Common Wealth Bank-GCC, Bengaluru – 560 001. <b>(Post Graduate Alumnus)</b></p>	<p>Dr.A.Shunmugalatha, Professor &amp; Dean (Academics)</p> <p>Dr.R.Narmatha Banu, Professor &amp; Head</p> <p>Dr.N.Karpagam, Professor</p> <p>Dr.S.Dhanalakshmi, Professor</p> <p>Dr.S.Senthilrani, Associate Professor</p> <p>Dr.A.Radhika, Associate Professor</p> <p>Dr.T.Chandrasekar, Associate Professor</p> <p>Dr.B.Kiruthiga, Assistant Professor I</p> <p>Mrs.V.Umayal Muthu, Assistant Professor II</p> <p>Mrs.J.Rajeswari, Assistant Professor III</p> <p>Dr.S.Chellam, Assistant Professor III</p> <p>Mrs.M.Devaki, Assistant Professor III</p> <p>Mrs.R.Saranya, Assistant Professor III</p> <p>Mr.A.Madhan, Assistant Professor III</p>

Agenda	Points Presented	Suggestions by External members	Responsibility	Target Date
<p>Welcome address and Opening Remarks by the BoS Chairman</p> <p>Dissemination of Vision &amp; Mission of Institute and Department</p>	<p>Welcome note was presented by Dr.R.Narmatha Banu, BoS Chairman, Professor &amp; Head-EEE</p> <p>Followed by that, the Vision and Mission Statement of Institute and Department were disseminated. The Institute and department profile were presented</p>	<p>Experts appreciated the alignment of Vision and Mission Statement of Institute and Department</p>	<p>--</p>	<p>--</p>
<p>Including course in Vertical VI (High Voltage Engineering)</p>	<ul style="list-style-type: none"> <li>➤ Inclusion of High Voltage Engineering course in Vertical VI for B.E.(EEE) regulations 2021 was presented by Dr.R.Narmatha Banu, BoS Chairman , Professor &amp; Head-EEE</li> <li>➤ Dr.A.Shunmugalatha, Professor/EEE, Dean (Academics) Highlighted the importance of High-Voltage Engineering course in Electrical Engineering field.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Dr. M. Sundaram (University Nominee)</b> mentioned that the green corridor topic can be included in the syllabus</li> <li>• <b>Dr. R. Gnanadass (Subject Expert)</b> gave a suggestion to include high frequency transformer in the syllabus.</li> <li>• <b>Dr.P.Raja (Subject Expert)</b> gave a suggestion to shuffle the units. <ul style="list-style-type: none"> <li>➤ Unit-I :Over voltages in Electrical Power Systems</li> <li>➤ Unit-II :Generation Of High Voltages and High Currents</li> <li>➤ Unit-III :Measurement of High Voltages and High Currents</li> <li>➤ Unit-IV :Dielectric Breakdown</li> <li>➤ Unit-V :High Voltage Testing &amp; Applications</li> </ul> </li> </ul>	<p>Course designer of concern course</p>	<p>22.11.2023</p>

Shifting Research Methodology and IPR course from semester III to semester I and Professional Elective from semester I to semester III for PG Course		<ul style="list-style-type: none"> <li>Experts accepted the modifications made in PG Course.</li> </ul>	-	-
Discussion on Syllabus & Curriculum		Experts appreciated that the department is having qualified group of faculty members with different specialization	All Course designers	--
Concluding Remarks	Dr.R.Narmatha Banu, BoS Chairman,,Professor & Head-EEE proposed the concluding remark of BoS meeting. She extended her thankfulness to all members for giving their valuable suggestions.	BoS Experts suggested to incorporate the comments given by them.	--	--



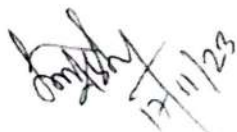
**Dr. M. Sundaram**  
(University Nominee)



**Dr. R. Gnanadass**  
(Academic Expert)



**Dr. P. Raja**  
(Academic Expert)



**Er. J. Britto sahayam**  
(Industry Expert)



**Er. G. Kadhar Mohideen**  
(PG Alumnus)



**Mrs. R. Saranya**  
(BoS MoM Incharge)



**Dr. R. Narmatha Banu**  
(BoS- Chairman)



**Dr. A. Shunmugalatha**  
Dean (Academics)



**Dr. P. Alli**  
(Principal)

**Velammal College of Engineering and Technology, Madurai.**  
**(Autonomous)**  
**Department of Information Technology**  
**Minutes of Board of Studies (BoS) Meeting**

**Date: 20/11/2023**

**Venue: Online - <https://meet.google.com/akk-harnd-onv>**

**Time: 11:00 am – 12.10 pm**

- IT department Board of Studies Meeting was held on 20.11.2023 through online mode

The following members were present in the meeting.

- University Nominee - Dr. C. Senthil Kumar, ASP/ TCE, Madurai
- Subject Expert – Dr. N. Kannan, Principal, The Oxford College of Engineering, Bangalore
- Subject Expert – Dr. T. Senthil Kumar, ASP / Amrita School of Engineering, Coimbatore
- Industry Expert - Mr. G. Rajesh Britto, Garrett Motion Engineering Solutions Private Limited, Madurai
- Post Graduate Alumni – Mr. Karthick, HCL, Madurai
- Principal – Dr. P. Alli, VCET, Madurai
- Dean / Academics – Dr. A. Shunmugalatha, Professor/ EEE, VCET
- Dean / Planning and Development – Dr. R. Perumalraja, Professor/ IT, VCET
- Chairman (Board of Studies) – Dr. R. Kavitha, Professor & Head / IT, VCET
- BoS Member - Dr. S. Kamalesh, Professor /IT, VCET
- BoS Member – Mrs. C. Manjula Devi, Assistant Professor/IT, VCET

- Dr. R. Kavitha, Chairman /BoS welcomed the members of Bos
- Vision, Mission and Achievements of VCET were presented to the members
- Department of IT- Vision, Mission, PEOs, POs and PSOs were presented to the members
- HoD/ IT highlighted the Department academic activities, achievements, Industry collaboration and Placement details
- Dr.R.Kavitha presented the Curriculum of UG Programme B.Tech-IT and the syllabus of I semester to VIII semester-2021 Regulations
- Chairman/BoS requested suggestions from the expert members to frame a new curriculum/syllabus for 2025 regulations

**Suggestions and Recommendations by Bos members for B.Tech - IT Programme:**

**Dr. C. Senthil Kumar, Associate Professor, Thiagarajar College of Engineering, Madurai – Anna University Nominee**

Suggestions given	Action Taken
Power BI and other similar tools can be included in the course curriculum	Points considered
Amazon Web Services (AWS) certified courses can be included as One Credit courses	Points considered
Credit categories should be evenly distributed in the curriculum aligning closely with Anna University standards	It will be taken into consideration while framing new curriculum

**Dr. N. Kannan - Principal, The Oxford College of Engineering, Bangalore - Subject Expert**

Suggestions given	Action Taken
He insisted on reducing the total number of credits from 167	Points considered
He proposed the idea of replacing one 3-credit course with three 1-credit courses	Points considered

**Dr. T. Senthil Kumar** - Associate Professor, Amrita School of Engineering - **Subject Expert**

Suggestions given	Action Taken
He insisted on including custom-made courses for visualizing data from web applications, believing that this addition would enhance placement prospects	Points considered
For One credit courses, evaluation can be based on practical assignments / projects	Points considered
Data visualization can be integrated into IoT-based projects, providing additional benefits to the students	Points considered

**Mr. G. Rajesh Britto** - Industry Expert

Suggestions given	Action Taken
He insisted on including data visualization-related courses in the curriculum, with a particular emphasis on the use of tools like Power BI, Tableau, etc	Points considered


**Mr. S. Karthick**, HCL- Alumni

Suggestions given	Action Taken
He emphasized the inclusion of the latest frameworks such as Angular JS and React JS in the UI/UX curriculum, highlighting the potential improvement in students' career prospects	Points considered
He also insisted that students undergo Udemy certifications, which can be considered for evaluation	Already in practice

The Bos Chairman concluded the meeting by assuring that all the points mentioned by the panel members would be considered while framing the new syllabus. Additionally, she requested suggestions to include placement-related activities such as aptitude training, soft skill training, and technical training as a one-credit course. The panel members unanimously agreed with this proposal.

  
University Nominee  
Dr. C. Senthil Kumar  
ASP


Thiagarajar College of Engineering  
Madurai

  
Subject Expert 1  
Dr. N. Karthan  
Principal


Oxford Engineering College  
Bangalore


  
Subject Expert 2  
Dr. T. Senthil Kumar  
ASP

Amritha school of Engineering  
Coimbatore

  
Industry Expert  
Mr. G. Rajesh Britto  
IT Tools Leader  
Garrett - Advancing Motion  
Madurai

  
Mr. S. Karthick  
Alumnus  
HCL Technologies  
Madurai

  
Chairman / Board of Studies  
Dr. R. Kavitha  
Professor & Head / IT  
VCET, Madurai

  
Head of Academics  
Dr. A. Shunmugalatha,  
Professor / EEE  
VCET, Madurai

  
Principal  
Dr. P. Alth  
VCET, Madurai