VEL TECH HIGH TECH

Dr. RANGARAJAN Dr. SAKUNTHALA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai

6th Academic Council Meeting – Minutes

Date : 18.12.24 **Time : 2.30 PM to 4.00 PM**

Google Online meet

https://meet.google.com/qph-teis-khe

VEL TECH HIGH TECH Dr. RANGARAJAN

Dr. SAKUNTHALA ENGINEERING COLLEGE

#60, Avadi – Vel Tech Road, Vel Nagar,

Avadi, Chennai – 600062, Tamil Nadu

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MINUTES OF MEETING OF 6th ACADEMIC COUNCIL MEETING

DATE: 18.12.24 **TIME: 02.30 PM–04.00 PM**

The 6th Academic Council meeting was virtually convened through Google meet platform *https://meet.google.com/qph-teis-khe* on 18.12.24 from 2.30 PM to 4.00 PM to Scrutinize and approve the proposals of the Boards of Studies with regard to courses of study, academic regulations, curricula, syllabi and evaluation methods under the Chairmanship of Dr. E. Kamanaban, Principal.

The following members were present during the Academic Council meeting.

S. No.	Name of the Expert	Affiliation with Designation	Role in AC
1	**Dr. E. Kamalanaban**	**Principal** Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College	**Chairman**
2	**Dr. A. Rajadurai**	**Former Professor** Dept. of Production Technology MIT Campus, Chennai - 600044	**Anna University Nominee**
3	**Dr. K. Senthil Vadivu**	**Professor & Head** Dept. of Printing Technology CEG Campus, Anna University, Chennai - 25	**Anna University Nominee**
4	**Mr. S.G. Balagurunathan**	**Director** WABCO Ltd, Chennai	**Industry Expert**
5	**Dr. G. Ananad**	**Deputy General Manager,** HEAD-PWT CAE, Renault Nissan Technology & Business Center, India	**Industry Expert**
6	**Dr. A. Gnanamani**	**Head & Senior Principal Scientist** Microbiology Laboratory, CSIR-Central Leather Research Institute, Adyar, Chennai	**Academic Expert**
7	**Dr. D. Nisar Ahmed**	**Director and Professor** MEASI Institute of Management, Chennai.	**Academic Expert**

8	Prof. Dr. S. Govindasami	Controller of Examinations	Internal Member
9	Prof. Dr. R. Suresh	Dean – Training & Placement	Internal Member
10	Prof. Dr. B. Bharathiraja	Dean – Research & Development	Internal Member
11	Prof.Dr. A. Suresh Kumar	Dean Industry Relations, HoD/MBA	Internal Member
12	Dr. M. Gopinath	Assoc. Dean - IIC	Internal Member
13	Dr. N. Gayathri	Associate Professor & Head Dept. of Mechanical Engineering	Internal Member
14	Dr. A. Saravana Raj	Deputy Dean Project Paper Patent	Internal Member
15	Dr. P. Vijayasarathi	Deputy Dean - IQAC	Internal Member
16	Mr. Manoj Kumar	Head Dept. of Civil	Internal Member
17	Dr. M. Malleshwari	Professor & Head Dept. of IT	Internal Member
18	Mr. Pradeep Kata	Head Dept. of S&H	Internal Member
19	Dr. J. B. Veeramalini	Associate Professor & Head Dept. of Chemical Engineering	Internal Member
20	Dr. S. Durga Devi	Associate Professor & Head Dept. of CSE	Internal Member
21	Dr. S. Hemajothi	Professor & Head Dept. of ECE	Internal Member
22	Mrs. J Mary Hanna Priyadharshini	Asst. Professor & Head Dept. of CSE(AI&ML)	Internal Member
23	Mrs. L. Geetha	Asst Professor & Head Dept. of AI&DS	Internal Member
24	Prof. Dr. V. R. Ravi	Dean Academics	Member Secretary

The chairman of the Academic Council Dr. E. Kamalanaban, Principal welcomed and introduced external members such as Anna university nominees, Academic Experts and Industrial Experts for the 6th Academic Council meeting. The Chairman requested Member Secretary to take up the agenda items for discussion, ratification and approval.

The meeting was taken forward by Member Secretary Dr. V.R. Ravi, Dean-Academics who delivered the institutional profile and also introduced internal Academic Council members.

The Member Secretary Dr. V.R. Ravi moved the following agenda items for discussion, ratification and approval.

The agenda for the meeting

a) To consider the **recommendations suggested by BoS of B.E CSE(AI&ML)** program and Approve the Syllabi of VI, VII and VIII semester courses including Professional Elective courses.

b) To consider **suggestions submitted for new regulation R-2025** by college and recommend suitable suggestions to improve the new regulation R-2025

c) To discuss any other matter pertaining to the Academic activities of the institution

POINTS DISCUSSED AND RESOLVED:

BUSINESS BROUGHT FORWARD BY THE BOARD OF STUDIES

4.1	**TO CONFIRM** THE MINUTES OF 5th ACADEMIC COUNCIL MEETING HELD ON 02.03.24. The minutes of the 5th Academic Council meeting held on 02.03.24 were communicated to the members vide Email dated 05.03.24. ***Resolved to confirm*** *the minutes of the 5th Academic Council held on 02.03.24 as there were no comments on the minutes.*
4.2	**TO CONSIDER THE RECOMMENDATIONS SUGGESTED BY BOARD OF STUDIES OF B.E., CSE(AI&ML) PROGRAM AND APPROVE** the Syllabi of VI, VII and VIII semester courses as given in **Annexure – A** ***Resolved to Approve*** *the recommendations of Board of Studies of B.E., CSE (AI&ML) program for the Syllabi of VI, VII and VIII semester courses*
4.3.1	**SUGGESTIONS SUBMITTED FOR NEW REGULATION R-2025 BY COLLEGE AND MEMBER'S RESPONSES** ***Institute Suggestion1 :*** 50 % of the courses will have Lab component (either as separate lab course or as integrated course) in R - 2025 ***Member Response1 :*** Appreciated by Members

4.3.2	***Institute Suggestion2 :*** Following 6 Employability and Enhancement courses will be included in R – 2025 along with earlier 6 Employability and Enhancement courses in R - 2021 i. Cognitive Skills Development ii. Professional Aptitude for Carrier development iii. Business Communication and Presentation Skills iv. Verbal and Analytical Skills Development v. Logical Reasoning and Critical Thinking vi. Interpersonal Communication Skills ***Member Response2 :*** Appreciated by Members
4.3.3	***Institute Suggestion3 :*** Following 6 Entrepreneur Development courses will be included in R – 2025 as new courses to encourage Entrepreneurship among students i. Entrepreneurship Development ii. AI Startup Essentials iii. Leadership and Team Building for Startups iv. Engineering Design Thinking and Prototyping v. Startup Creation and Management vi. Innovation and Product Development ***Member Response3 :*** Appreciated by Members
4.3.4	***Institute Suggestion4 :*** The credit for Mini Project – I and Mini Project – II will be changed from 1 credit to 2 credits in R - 2025 ***Member Response4 :*** Appreciated by Members
4.3.5	***Institute Suggestion5 :*** Following 18 New Professional Core courses / Professional Elective courses will be introduced in R – 2025 1. *Introduction to Augmented Reality and Virtual Reality* 2. *Introduction to Generative AI* 3. *Foundations and Applications of Quantum Computing* 4. *Design Thinking for Emerging Technologies* 5. *Advanced Data Structure* 6. *Data Analytics using Power BI* 7. *Bioinformatics and AI in Healthcare* 8. *3D Printing for Biotechnology* 9. *AI powered Drug Discovery*

	10. Human Molecular Genetics *11. Pharmacogenomics and Precision Medicine* *12. Additive Manufacturing and 3D Printing* *13. Electrical Vehicle* *14. Energy Technology* *15. Blockchain security and forensics* *16. Devops* *17. Sentiment Analysis and Text Mining* *18. Cognitive Science and Analytics* ***Member Response5 :*** ***(Dr. A. Rajadurai)*** Avoid using Introduction , Fundamentals etc. in the course title. The following title of courses can be renamed. Original Title : *Introduction to Augmented Reality and Virtual Reality* *Introduction to Generative AI* Renamed Title : *Augmented Reality and Virtual Reality* *Generative AI* Some more new courses can be introduced in R – 2025
4.3.6	***Institute Suggestion6 :*** Some of the Professional Elective courses and Open Elective courses and Honours course will be modified as Integrated courses in R-2025 ***Member Response6 :*** Appreciated by members
4.3.7	***Institute Suggestion7 :*** Dept of CSE, IT, AI&DS and ECE will introduce two verticals in Honours courses ***Member Response7 :*** It should be industry expected cutting edge technologies
4.3.8	***Institute Suggestion8:*** Institute is willing to introduce INDUSTRY LED COURSES in new regulation R – 2025. Institute is identified following companies and courses to offer under Industry Led Courses.

Company Identified	Courses identified
L & T EduTech	Cyber Security, Data Analytics
ARK Infosolutions Pvt Ltd	Introduction to AR and VR
Imarticus Learning	Machine Learning, Deep Learning
Atribs	Additive Manufacturing and 3D Printing

(Dr. K. Senthil Vadivu & Dr. A. Gnanamani) *Who will frame the syllabus.?*

Institution Response : Industry will have their own syllabus. If required institute will suggest small modification. This syllabus will be submitted for BoS and Academic Council for approval.

	Member Response : ***(Dr. A. Rajadurai)*** *- Industry Led courses can be offered as Professional Elective courses*
4.3.9	***(Dr. A. Rajadurai & Dr. A. Gnanamani)*** *will Industry Experts come regularly.?* ***Institution Response :*** These industries have separate academic division. All experts come from these academic division. With the consultation of Industry expert, Time Table will be framed and industry experts will come and handle courses during the periods mentioned in the time table. We are planning to sign MoU with these Industries and then only Industry Led Courses will be given to industries. ***Member Response*** : ***(Dr. A. Gnanamani)*** - Good concept and suggested to sign MoU with industries. Otherwise, students will be affected. ***(Dr. D. Nisar Ahmed) –*** Assign course coordinator and coordinator should work along with Industry experts. Appreciated this concept because of implementation of industry collaborative learning methodology.
4.3.10	***(Dr. K. Senthil Vadivu)*** *When Mini Project courses will be offered ?* ***Institute Response :*** Mini Project – I and Mini Project – II will be offered in 4th and 6th semester respectively. But Mini Project – I will be started from 3rd semester and Mini – Project – II will be started from 5th semester and each will be carried for one year period. Also, internal faculty guide and external Industry mentor (Through SIMc – Student Industry Mentor Connect) will guide the students.
4.3.11	***(Dr. A. Rajadurai)****: Will the outcome of the Mini Project are SCI / Scopus publications or Conference publications?* ***Institute Response :*** All publications from Mini Project (379 publications in 2023 and 255 publications in 2024) are SCI and Scopus publications only.
4.3.12	***(Dr. K. Senthil Vadivu & Dr. G. Ananad)*** *What is the duration of Internship ? When it will be offered ?* **Institute Response** : The minimum duration of the Internship is 15 days and this course will be offered in 6th semester. It is mandatory for all students.
4.3.13	***(Dr. D. Nisar Ahmed)*** *Why less number of NPTEL certificates in Dept. of Civil and MBA? What about Credit Transfer?* ***Institute Response*** : In Dept. of Civil Engineering, less number of students are studying. MBA students are studying NPTEL courses from last year onwards. 12 weeks NPTEL courses are equivalent to 3 credit courses. Students are

	availing credit transfer. Credit Transfer is allowed only for Professional Elective courses, Honours courses and Open Elective courses.
4.3.14	***(Mr. S.G. Balagurunathan)*** *Whether syllabus of 6 new Employability and Enhancement courses are prepared?* ***Institute Response*** : Only Course names are identified and syllabus are not yet framed.

The meeting is concluded with Thanks to the Chairman, Expert members and Internal members.

23.12.2024

Dr.V.R.RAVI
Member Secretary
Academic Council

Dr.E.Kamalanaban
Chairman
Academic Council

23/12/2024

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ATTENDANCE SHEET

Meeting No: VTHT / DA /AC-06/ 2024-2025/07 **Time: 2.30 P.M - 4.00 PM**

Date: 18.12.24 **Mode: Virtual mode – Google Meet**

S.No	NAME OF THE MEMBERS	DESIGNATION	SIGNATURE
1	**Dr. E. Kamalanaban**	**Principal** Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College **Chairman**	
2	**Dr. A. Rajadurai**	**Former Professor** Dept. of Production Technology MIT Campus, Chennai - 600044	
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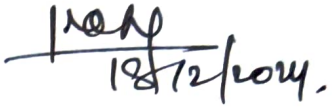
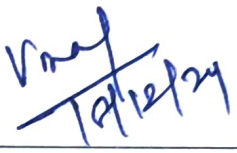
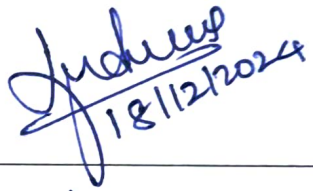
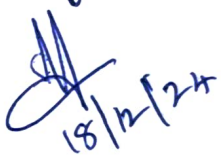
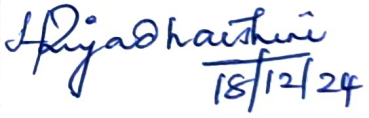
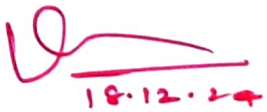
4	**Mr. S.G. Balagurunathan**	**Director** WABCO Ltd, Chennai	
5	**Dr. G. Ananad**	**Deputy General Manager,** HEAD-PWT CAE Renault Nissan Technology & Business Center, India	
6	**Dr. A. Gnanamani**	**Head & Senior Principal Scientist** Microbiology Laboratory CSIR-Central Leather Research Institute, Adyar, Chennai	

7	Dr. D.Nisar Ahmed	**Director and Professor** MEASI Institute of Management, Chennai.	Dr. D. NISAR AHMED DIRECTOR MEASI INSTITUTE OF MANAGEMENT Association Gardens, 147/87, Peters Road, Royapettah, Chennai - 600 014 Ph : 28302982, 94442 81144
8	Prof. Dr. S. Govindasami	Controller of Examinations	18/12/2024
9	Prof. Dr. R. Suresh	Dean – Training & Placement	18/12/2024
10	Prof. Dr. B. Bharathiraja	Dean – Research & Development	18/12/24
11	Prof.Dr. A. Suresh Kumar	Dean Industry Relations, HoD/MBA	18/12/24
12	Dr. M. Gopinath	Assoc. Dean - IIC	18.12.2024
13	Dr. P. Vijayasarathi	Deputy Dean - IQAC,	18/12/24
14	Dr. A. Saravana Raj	Deputy Dean Project Paper Patent	18/12/24
15	Dr. M. Malleshwari	Professor & Head Dept. of IT	18/12/24

16	**Mr. Manoj Kumar**	**Head** Dept. of Civil	
17	**Mr. Pradeep Katta**	**Head** Dept. of S&H	
18	**Dr. J. B. Veeramalini**	**Associate Professor & Head** Dept. of Chemical Engineering	
19	**Dr. S. Durga Devi**	**Associate Professor & Head** Dept. of CSE	
20	**Dr. S. Hemajothi**	**Professor & Head** Dept. of ECE	
21	**Dr. N. Gayathri**	**Associate Professor & Head** Dept. of Mechanical Engineering	
22	**Mrs. J Mary Hanna Priyadharshini**	**Asst. Professor & Head** Dept. of CSE(AI&ML)	
23	**Mrs. L. Geetha**	**Asst. Professor & Head** Dept. of AI&DS	
24	**Prof. Dr. V. R. Ravi**	**Dean Academics** **Member Secretary**