VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY, Madurai-625009

Minutes of the First Academic Council Meeting

Venue: Seminar Hall-1
Date: 18.03.2022 (Friday)
Time: 10:00 a.m.

Management Representative: Vice Chairman Shri. Ganesh Natarajan

University Nominees: 1. Dr.G.Umadevi, Professor, Department of Civil Engineering, CEG campus, A.U. Chennai
2. Dr.A.Kunthavai, Professor, Department of Computer Science and Engineering, CIT, Coimbatore.
3. 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, Addwise-Wipro3D, Bangalore.
4. Dr.S.Rajamohan, Managing Director, Enviro Care India Pvt Ltd, Madurai-16

Chairman-Academic Council: Dr.N.Suresh Kumar, Principal/VCET

Members: 1. Dr.A.Shunmugalatha, Dean (Academics) & HoD/EEE 2.Dr.L.Andal, Dean (Industry Institute Interaction) & HoD/Civil 3. Dr.P.Alli Dean (Planning & Development) & HoD/CSE 4. Dr.G.Manikandan, Dean (Research and Development) & HoD/ Mechanical Engg,. 5. Dr. S. Vasuki Dean (Student Affairs) & HoD / ECE 6. Dr.R.Perumal Raja, Dean (Computing and Software Development) & HoD/IT 7. Dr.S. Rajkumar, HoD/Chemistry 8.Dr. D Ravindran HoD/Physics 9. Mrs. S.Gomathy, HoD /English 10.Dr.A. P. Pushpalatha HoD/Maths 11. Dr.S.Karthikeyan, Controller of Examination 12. Dr.S.Dhanalakshmi, Member Secretary, Asso Prof/EEE 13. Dr.R.Deepalakshmi Professor/CSE, 14. Dr.K.Kavitha, Professor/ECE, 15. Mrs.J.P.Annie Sweetlin, Professor/Civil 16. Dr.V.Anbumalar, Professor/Mech Engg 17. Mr.P.Srinivasa Perumal, Placement Officer 18. Dr.S.Gopala Krishnan, Librarian 19. Dr.S.Ponkumar, PED

Student Representatives: 1. Mr. B.Kannan/III-EEE 2. Mr.S.Logeshsundar/III-Mechanical Engg 3. Ms.K.M.Prathiksha/III-Civil Engg 4. Ms.S.Subashree/III-CSE 5. Ms.S.Yazhini/III-ECE

S.No	Subject	Action	Responsibility
1.	**Introduction of Members AU & Institute Nominees**	**Dr.N.Suresh Kumar, Principal, Chairman-Academic Council**, welcomed all the members including the University and the Institute nominees to the meeting. In his opening remarks he gave a brief introduction of Velammal Educational Trust and salient features of Velammal College of Engineering and Technology with the road map of the autonomy explaining up to the current status. He requested the Dean (Academics) to move the points of Agenda items and requested her to present the Regulations 2021 for the members present	Chairman, Academic Council
2.	**Regulations - UG and PG programmes from the Academic Year 2021-2022**	▪ On behalf of Chairman, Academic Council, **Dr.A.Shunmugalatha, Dean (Academics)** presented the regulations with details of **UG and PG Curriculum and Syllabus** for branches **Civil, CSE, ECE, EEE, IT and Mechanical Engineering** to the University Nominees, the Institute Nominees and other members of Academic Council. At the end of the presentation, members had the deliberation on R21 Regulations and the following items were discussed: ▪ **Dr. R.Harikumar** started the discussion of weightage of marks for continuous assessments and End Semester examination for theory courses. Different patterns of weightage of marks were discussed by **Dr.A. Kunthavai, Dr.G.Umadevi. Dr. N.Kannan, Dr.U.Chandrasekhar and Dr.N.Nandakumar.** It was decided to give 50:50 weightage of marks for both Internal and External Examination and approved by **Dr.G.Umadevi,** University Nominee. The same was accepted for Theory Cum Lab Courses and for theory courses of P.G.. ▪ **Dr.A.Kunthavai** suggested to raise the requirements of CGPA of 8.0 or above for advancement of courses for eighth semester courses in fifth, sixth or seventh semester. She also suggested that NPTEL courses with certification can be made explicit permitting credits apart from SWAYAM portal courses. Other experts accepted the suggestions. ▪ **Dr.G.Umadevi** suggested the following points. • Allotting 2 periods for 1 credit for all tutorial sessions. • Innovative projects can be expected from the students as part of co-curricular activities. It was accepted by all and the Chairman felt that it can be evaluated by department level committee as part of Personality	**Dean (Academics)**

		and Character Development. • Setting the Question Paper for minimum 50 marks by both external and internal question paper setters whereas Scrutiny of Question Paper can be done by External Examiners. • Question Paper setter should have a minimum of five years experience teaching the course. • Both internal and external experts can set the Question Paper and the Question Paper can be used alternatively in the examination. **Dr.A.Kunthavai** also concurred with the proposal. • Uniform Question Pattern of Part A, B & C can be followed for all U.G. courses and P.G.courses. • Clarification Day can be conducted before declaring the result for all and after the results those who want to get a copy of original answer scripts shall apply. • Credits can be in integers for all courses. • There can be Mathematical components in courses related to the domain concerned in PG courses. ▪ **Dr.R.Harikumar** suggested to raise the attendance requirements for end semester examination to 80%, **Dr.N.Nandakumar** opined that it can be 75% and **Dr.G.Umadevi** felt that it would be difficult to maintain and suggested to continue with the current requirement of **75%** attendance. ▪ **Dr.R.Harikumar** also suggested that there can be a minimum of 1 open elective out of 3 electives in a semester. ▪ **Dr.N.Nandakumar** suggested including the above details of conduct of examination in the regulation. ▪ **Dr.A.Kunthavai** suggested that ▪ One Academic Audit can be by an external expert in one semester. She also suggested having the scrutiny of Question Papers by external experts in a semester. ▪ Course code need not have category tag and the year can be included the course code. i.e. 21EE101 ▪ Valued Added Courses can be offered in V and VI semester.	

		▪ **Dr. R.Harikumar** suggested offering foreign language courses like French, German, Spanish, and Mandarin etc. in Semester II as an alternative for English-II. Students are required to produce a valid C2 certificate approved by Government of India and the respective Embassies. i.e. Goethe-Zertifikat C2: Großes Deutsches Sprachdiplom (GDS) for German, The Instituto Cervantes in New Delhi for Spanish, *The Alliance française for French and the Chinese Language Institute run by Chinese Embassy in India, JLPT level 2 or 3 for Japanese language or other equivalents approved by GoI*	
3.	**UG & PG Curriculum and Syllabus and Minutes of BoS by respective HoDs**	**Dr.A.Shunmugalatha, Chairperson, BoS-EEE, Dean (Academics) & HoD/EEE** presented the curriculum and syllabus of EEE UG and PG programmes. All the experts approved the curriculum and syllabus. **Dr.L.Andal, Chairperson, BoS-Civil, Dean (Industry Institute Interaction) & HoD/Civil** presented the curriculum and syllabus of Civil UG programmes. The following points were discussed and suggested: ▪ Experts suggested having two weeks Internship. It has been informed to the members that internship has been given in three spells of 1 week, 2 weeks and 4 weeks respectively. ▪ For one credit courses, the lecture hour should be one. ▪ Inclusion of Transportation Planning as one of the elective subjects ▪ Inclusion of Traffic Engineering and Management course. It has been planned by the department to bring it as a core subject in seventh semester. All the experts approved the curriculum and syllabus. **Dr.P.Alli, Chairperson, BoS-CSE, Dean (Planning & Development) & HoD/CSE** presented the curriculum and syllabus of CSE UG and PG programmes. The following were the points of discussion and suggestions: : ▪ Computer Organization and Microprocessor has to be changed as Computer Organization and Architecture with parallel processing content. ▪ Microprocessor can be combined with Embedded system and can be given as a separate course as Micro controller and Embedded Systems.	Chairperson (Civil, CSE, ECE, EEE, IT and Mechanical Engg)

		▪ Artificial Intelligence can be given as a core subject instead of elective. ▪ Computer Graphics and Multimedia can be replaced by core subject. ▪ For System Software and Operating System course, title can be changed as Operating System. ▪ Data Warehousing and Data Mining should be taught before studying Data Science. ▪ Electives can include open source courses. ▪ One credit course can be included in semester I. This item shall be taken in the next revision as already semester I classes have been completed. ▪ For AI and Machine learning courses lab facilities can be created ▪ In Microprocessor course content of the latest processor may be included. ▪ Mobile Computing and Mobile Application Development can be given as elective subjects. ▪ Principles of Communication course can be removed and Digital Communication content may be added to Computer Networks renamed as Data Communication. ▪ Distributed Systems can be included as a core subject. All the experts approved the curriculum and syllabus. **Dr. S. Vasuki, Chairperson, BoS-ECE, Dean (Student Affairs) & HoD / ECE** presented the curriculum and syllabus of ECE UG and PG programmes The following points were discussed and suggested by the experts: ▪ Image Processing can be offered as core subject instead of an elective subject for UG. If necessary, some papers can be clubbed together like Electronic Circuit I and II and renamed as Analog Circuits in order to accommodate the	

		above paper. ▪ 5G can be given as separate elective for UG students. ▪ Signal Detection and Estimation can be added as a core subject instead of an elective subject for PG. All the experts approved the curriculum and syllabus. **Dr.R.Perumalraja, Chairman, BoS-IT, Dean (Computing and Software Development) &HoD/IT** presented the curriculum and syllabus of B. Tech. IT and ME Computer Science Engineering, Specialization in Networks Programmes. The following points were discussed and suggested. **Dr. Kunthavai** suggested to include the Distributed System paper in the curriculum, All the experts approved the curriculum and syllabus. **Dr.G.Manikandan, Chairman, BoS-Mech, Dean (Research and Development) & HoD/ Mechanical Engg.,** presented the curriculum and syllabus of Mechanical Engineering UG and PG programmes The following were the points of discussion and suggestions: ▪ Senior professors can address the PG students and share their expertise in their domain. ▪ The course title 'EV' seems to be generic and can be changed to the content. ▪ Adding product design and development components in computer related courses in the first year. All the experts approved the curriculum and syllabus. **Dr.S. Rajkumar, Chairman, BoS-Chemistry** presented the syllabus of the courses offered by the department and they were approved by the experts in the council. **Dr. D Ravindran Chairman, BoS-Physics** presented the syllabus of the courses offered by the department and they were approved by the experts in the council. **Dr.A. P. Pushpalatha HoD/Maths BoS-Maths** presented the syllabus of the courses offered by the department and they were approved by the experts in the council. **Mrs. S.Gomathy, Chairperson, BoS-English,** presented the syllabus of the courses	

		offered by the department and they were approved by the experts in the council. All the experts approved the curriculum and syllabus of Chemistry, Physics, Maths and English departments.	
4.	**General Discussion**	▪ Experts suggested having a Common Chairperson for Semester-1 courses as they are common for all the branches. ▪ Placement opportunities can be created for dropped out students suitable to their skills. Sugggestions by Experts in the post lunch session to the Chairman.Academic Council: ▪ For UG programmes, Project Work-I can have 4 credits and Project Work-II can be 10 credits. It should be uniform across all the departments ▪ For PG programmes, Project Work-I can have 6 credits and Project Work-II can be 12 credits. It should be uniform across all the departments ▪ Total credits across all the departments can be uniform for UG and PG programmes as it will not be a hurdle for the students when they opt for overseas courses and higher studies programmes abroad. ▪ For online courses, to claim 1 credit, students should have put in a minimum of 15 hours.	All
5.	**Concluding Remarks**	**Dr.N.Suresh Kumar, Principal & Chairman** thanked all the online and offline experts for their active involvement in the discussion and providing suggestions for improving our curriculum and syllabus. All suggestions were taken in the right sense and all feasible suggestions will be carried and informed to the members.	

University Nominees:

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28/03/12

Dr.N.Suresh Kumar
Chairman Academic Council & Principal
VCET