VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Minutes of the 62nd meeting of the Academic Council

(15th July 2021 | 11.00 am | Vellore Campus | Zoom Online Mode)

Members Present:

1. Dr. Rambabu Kodali, Vice-Chancellor, Chairperson
2. Dr. S. Narayanan, Pro-Vice Chancellor
3. Dr. V.S. Kanchana Bhaaskaran, Pro-Vice Chancellor
4. Dr. K. Giridhar, IIT Madras
5. Mr. Lakshminarayanan, Cognizant Digital Engineering Practice, Chennai
6. Dr. K.V.S. Hari, IISc, Bangalore
7. Shri. Jaji Vijayaraman, Valeo India Private Limited., Chennai
8. Mr. Lawrence Mohanraj, IBM India Pvt. Ltd, Chennai
9. Dr. G. Jayaraman, Dean Academics, Vellore Campus
10. Dr. A. Nayeemulla Khan, Dean Academics, Chennai Campus
11. Dr. G. Mohan Ganesh, Controller of Examination
12. Dr. A. Mary Saral, Dean, School of Advanced Sciences, Vellore Campus
13. Dr. V. Pragasam, Dean, School of Biosciences and Technology, Vellore Campus
14. Dr. S. Shantha Kumar, Dean, School of Civil Engineering, Vellore Campus
15. Dr. Shishir Kumar Behera, Dean, School of Chemical Engineering, Vellore Campus
16. Dr. Ramesh Babu K, Dean, School of Computer Science and Engineering, Vellore Campus
17. Dr. S. Sivabalan, Dean, School of Electrical Engineering, Vellore Campus
18. Dr. Kittur Harish Mallikarjun, Dean, School of Electronics Engineering, Vellore Campus
19. Dr. Balakrushna Tripathy, Dean, School of Information Technology, Vellore Campus
20. Dr. R. Vasudevan, Dean, School of Mechanical Engineering, Vellore Campus
21. Dr. G. Velmurugan, Dean, School of Social Sciences and Languages, Vellore Campus
22. Dr. Goutam Kumar Kundu, Dean, VIT Business School, Vellore Campus
23. Dr. S. Babu, Dean, VIT Agricultural Innovations and Advanced Learning, Vellore Campus
24. Dr. Saleem Ahmed, Dean, VIT School of Design, Vellore Campus
25. Dr. Jaffer AA Khan, Director, School of Architecture, Vellore Campus
26. Dr. Mahindrakar Amit Baburao, Director, Students' Welfare, Vellore Campus
27. Dr. P. Ramesh Babu, Dean, Academics Research, Vellore Campus
28. Dr. Suvojit Ganguly, Assistant Dean, School of Hotel and Tourism Management, Vellore Campus
29. Dr. G. Kalaichelvan, Director, UG Admissions, Vellore Campus
30. Dr. Kalyani Desikan, Dean, Academic Research, Chennai Campus
31. Dr. Indra Rajasingh, Dean, School of Advanced Sciences, Chennai Campus
32. Dr. R. Jagadeesh Kannan, Dean, School of Computer Sciences and Engineering, Chennai Campus
33. Dr. A. Peer Fathima, Dean, School of Electrical Engineering, Chennai Campus
34. Dr. A. Siva Subramanian, Dean, School of Electronics Engineering, Chennai Campus
35. Dr. M. Gandhi, Dean, VIT School of Law, Chennai Campus
36. Dr. R. Sivakumar, Dean, School of Mechanical Engineering, Chennai Campus
37. Dr. S.K. Sudarsanam, Dean, VIT Business School, Chennai Campus
38. Dr. K. Muthumani, Dean, School of Civil Engineering, Chennai Campus
39. Dr. Saradha Rajkumar, Dean, School of Social Sciences and Languages, Chennai Campus
40. Dr. V. Sugumaran, Deputy Controller of Examinations, Chennai Campus
41. Dr. S. Prabu, Professor, School of Computer Science and Engineering, Vellore Campus
42. Dr. V. Thanikaiselvan, Associate Professor, School of Electronics Engineering, Vellore Campus
43. Dr. A. Raja Annamalai, Associate Professor, Centre for Innovative Manufacturing Research, Vellore Campus
44. Dr. G. Madhumitha, Assistant Professor, School of Advanced Sciences, Vellore Campus

45. Dr. Mathew M. Noel, Professor, School of Electrical Engineering, Vellore Campus
46. Ms. Snuhee Roy (17BEE0357) Student Council Member
47. Mr. Abhishek Kumar Singh (18BCE2509) Student Council Member
48. Dr. A. Selvakumar, HoD, VIT School of Fashion Technology, Chennai Campus
49. Dr. K. Sathiyanarayanan, Registrar, Secretary

Leave of Absence:

1. Dr. N. Lalitha, Educational Consultant, Chennai
2. Mr. Arindam Sen, Bangalore, Alumni representative
3. Dr. V. Samuel Rajkumar, Director, Career Development Centre, Vellore Campus
4. Dr. V. Ramasubramanian, Director, PG Admissions, Vellore Campus
5. Dr. Jagadish Mudiganti, Dean Academics, VIT-AP University, Special Invitee

Item 62/1	**Welcome by Vice Chancellor** • Vice Chancellor welcomed all the members of the Academic Council.
Item 62/2	**Remarks by Chancellor** • Admission process for the academic year 2021-22. • Thanked the faculty members for the design and development of the curriculum structure for the new Academic programmes. • Thanked the faculty members for analysing and revising the Academic programme credit structure and curriculum of the existing undergraduate engineering programmes.
Item 62/3	**To consider and confirm the Minutes of the 61st meeting of the Academic Council.** *(Annexure 1)* Comments arising out of the minutes of the 61st meeting of the Academic Council are none. The Academic Council confirmed the above minutes.
Item 62/4	**To consider and approve the new academic programme and curriculum of Bachelor of Science with Physics and Chemistry.** *(Annexure 2)* The Academic Council considered and approved the same.
Item 62/5	**To consider and approve the new academic programme and curriculum of Bachelor of Science with Chemistry and Mathematics.** *(Annexure 3)* The Academic Council considered and approved the same.
Item 62/6	**To consider and approve the new academic programme and curriculum of Bachelor of Science with Mathematics and Physics.** *(Annexure 4)* The Academic Council considered and approved the same.
Item 62/7	**To consider and approve the new academic programme and curriculum of Bachelor of Science with Mathematics and Computing.** *(Annexure 5)* The Academic Council considered and approved the same.

Item 62/8	**To consider and approve the new academic programme and curriculum of Integrated Master of Science in Food Science and Technology.** *(Annexure 6)* The Academic Council considered and approved the same and also requested to revisit the a) inclusion of courses on Workshop Practice and Engineering Design Visualisation; (b) credit requirement for the exit options after third and fourth year.
Item 62/9	**To consider and approve the new academic programme and curriculum of Integrated Master of Science in Physics.** *(Annexure 7)* The Academic Council considered and approved the same and also requested to revisit the credit requirement for the exit options after third and fourth year.
Item 62/10	**To consider and approve the new academic programme and curriculum of Integrated Master of Science in Chemistry.** *(Annexure 8)* The Academic Council considered and approved the same and also requested to revisit the credit requirement for the exit options after third and fourth year.
Item 62/11	**To consider and approve the new academic programme and curriculum of Integrated Master of Science in Mathematics.** *(Annexure 9)* The Academic Council considered and approved the same and also requested to revisit the credit requirement for the exit options after third and fourth year.
Item 62/12	**To consider and approve the new academic programme and curriculum of Master of Social Work.** *(Annexure 10)* The Academic Council considered and approved the same.
Item 62/13	**To consider and approve the new academic programme and curriculum of Integrated Master of Technology in Construction Technology and Management.** *(Annexure 11)* The Academic Council considered and approved the same and also requested to revisit the inclusion of course on Workshop Practice.
Item 62/14	**To consider and approve the revised programme credit structure and curriculum of Bachelor of Technology in Biotechnology.** *(Annexure 12)* The Academic Council considered and approved the same and also requested to revisit the inclusion of courses on Workshop Practice and Engineering Design Visualisation.
Item 62/15	**To consider and approve the revised programme credit structure and curriculum of Bachelor of Technology in Chemical Engineering.** *(Annexure 13)* The Academic Council considered and approved the same and also requested to revisit the inclusion of course on Workshop Practice.
Item 62/16	**To consider and approve the revised programme credit structure and curriculum of Bachelor of Technology in Civil Engineering.** *(Annexure 14)* The Academic Council considered and approved the same and also requested to revisit the inclusion of course on Workshop Practice.
Item 62/17	**To consider and approve the revised programme credit structure and curriculum of Bachelor of Technology in Computer Science and Engineering and with Specialisation.** *(Annexure 15)*

	The Academic Council considered and approved the same and also requested to revisit the inclusion of courses on Workshop Practice and Engineering Design Visualisation.
Item 62/18	**To consider and approve the revised programme credit structure and curriculum of Bachelor of Technology in Electronics and Instrumentation Engineering.** *(Annexure 16)* The Academic Council considered and approved the same and also requested to revisit the inclusion of courses on Workshop Practice and Engineering Design Visualisation.
Item 62/19	**To consider and approve the revised programme credit structure and curriculum of Bachelor of Technology in Electrical and Electronics Engineering.** *(Annexure 17)* The Academic Council considered and approved the same and also requested to revisit the inclusion of courses on Workshop Practice and Engineering Design Visualisation.
Item 62/20	**To consider and approve the revised programme credit structure and curriculum of Bachelor of Technology in Electronics and Communication Engineering and with Specialisation.** *(Annexure 18)* The Academic Council considered and approved the same and also requested to revisit the inclusion of courses on Workshop Practice and Engineering Design Visualisation.
Item 62/21	**To consider and approve the revised programme credit structure and curriculum of Bachelor of Technology in Electronics and Computer Engineering.** *(Annexure 19)* The Academic Council considered and approved the same and also requested to revisit the inclusion of courses on Workshop Practice and Engineering Design Visualisation.
Item 62/22	**To consider and approve the revised programme credit structure and curriculum of Bachelor of Technology in Fashion Technology.** *(Annexure 20)* The Academic Council considered and approved the same and also requested to revisit the inclusion of courses on Workshop Practice and Engineering Design Visualisation.
Item 62/23	**To consider and approve the revised programme credit structure and curriculum of Bachelor of Technology in Information Technology.** *(Annexure 21)* The Academic Council considered and approved the same and also requested to revisit the inclusion of courses on Workshop Practice and Engineering Design Visualisation.
Item 62/24	**To consider and approve the revised programme credit structure and curriculum of Bachelor of Technology in Mechanical Engineering and with Specialisation.** *(Annexure 22)* The Academic Council considered and approved the same and also requested to revisit the inclusion of course on Workshop Practice.
Item 62/25	**To consider and approve the revised programme credit structure and curriculum of Bachelor of Technology in Mechatronics and Automation.** *(Annexure 23)* The Academic Council considered and approved the same and also requested to revisit the inclusion of course on Workshop Practice.
Item 62/26	**To consider and approve the revised programme credit structure and curriculum of Integrated Master of Science in Biotechnology.** *(Annexure 24)* The Academic Council considered and approved the same and also requested to revisit the a) inclusion of courses on Workshop Practice and Engineering Design Visualisation; (b) credit requirement for the exit options after third and fourth year.

Item 62/27	To consider and approve the course content for the first year courses of the following Bachelor of Technology in: • Biotechnology • Chemical Engineering • Civil Engineering • Computer Science and Engineering and with Specialisation • Electronics and Instrumentation Engineering • Electrical and Electronics Engineering • Electronics and Communication Engineering and with Specialisation • Electronics and Computer Engineering • Fashion Technology • Information Technology • Mechanical Engineering and with Specialisation • Mechatronics and Automation (*Annexure 25*) The Academic Council considered and approved the same.
Item 62/28	To consider and approve the course content for the first year courses of Integrated Master of Technology in Construction Technology and Management. (*Annexure 25*) The Academic Council considered and approved the same.
Item 62/29	To consider and approve the course content for the first year courses of the following Bachelor of Science with: • Physics and Chemistry • Mathematics and Physics • Chemistry and Mathematics • Mathematics and Computing (*Annexure 26*) The Academic Council considered and approved the same.
Item 62/30	To consider and approve the course content for the first year courses of the following Integrated Master of Science in: • Physics • Chemistry • Mathematics (*Annexure 27*) The Academic Council considered and approved the same.
Item 62/31	To consider and approve the course content for the first year courses of the following Integrated Master of Science in: • Biotechnology • Food Science and Technology (*Annexure 28*) The Academic Council considered and approved the same.
Item 62/32	To consider and approve the course content for the first year courses of Master of Social Work. (*Annexure 29*) The Academic Council considered and approved the same.
Item 62/33	To consider and approve the introduction of course under Programme Elective category and also the course content of the following course in Bachelor of Science in Multimedia and Animation. MMA3014 Advanced User Interface 0-0-8-4-5 (*Annexure 30*) The Academic Council considered and approved the same.

Item 62/34	To consider and approve the course content for the following 13 courses offered in Bachelor of Technology in Computer Science and Engineering and Business Systems. The curriculum was approved in the 55th meeting of the Academic Council. CBS3011 Usability Design of Software Applications 2-0-2-0-3 CBS3012 IT Project Management 2-0-2-0-3 MGT3016 Services Science and Service Operational Management 2-0-2-0-3 CBS3013 Conversational Systems 3-0-2-0-4 CBS3014 Modern Web Applications 3-0-2-0-4 CBS3015 Information Systems Audit and Control 3-0-0-0-3 CBS3016 Cognitive Science and Analytics 3-0-2-0-4 CBS4005 Enterprise Systems 3-0-2-0-4 HUM1046 Behavioral Economics 3-0-0-0-3 HUM1047 Engineering Economics 3-0-0-0-3 HUM1048 Industrial Psychology 3-0-0-0-3 MGT4004 Human Resource Management 3-0-0-0-3 MGT4005 Computational Finance and Modelling 3-0-2-0-4 *(Annexure 31)* The Academic Council considered and approved the same.
Item 62/35	To consider and approve the change in course title for the following course in Bachelor of Computer Science and Engineering and Business Systems. The curriculum was approved in the 55th meeting of the Academic Council. HUM1048 Psychology *to be changed to* HUM1048 Industrial Psychology The Academic Council considered and approved the same.
Item 62/36	To consider and approve the change in the credit structure for the following courses in Bachelor of Technology in Computer Science and Engineering and Business Systems. The curriculum was approved in the 55th meeting of the Academic Council. CBS3013 Conservational Systems 3-0-0-0-3 *to be changed to* 3-0-2-0-4 CBS4005 Enterprise Systems 3-0-0-0-3 *to be changed to* 3-0-2-0-4 The Academic Council considered and approved the same.

Item 62/37	To consider and ratify the following changes in the courses in Bachelor of Technology in Computer Science and Engineering and Business Systems. The curriculum was approved in the 55th meeting of the Academic Council.
	
	1. Introduction of new course under Programme Elective
	   1.1. Robotics and Embedded systems 3-0-0-4-4
	2. Inclusion of new course under University Core
	   2.1. EXC4097 Co/Extracurricular Activity
	3. Change in credits for the following course
	   3.1. Technical Answers to Real World Problems 1-0-0-4-2
	   3.2. Environmental sciences 3-0-0-0-3
	   3.3. Cognitive Science and Analytics 3-0-2-0-4
	
	The Academic Council considered and approved the same.

Item 62/38	To consider and ratify the changes in the courses in Bachelor of Technology in Computer Science and Engineering with Specialisation in Internet of Things. *(Annexure 32)* The Academic Council considered and approved the same.

Item 62/39	To consider and ratify the changes in the courses in Bachelor of Technology in Computer Science and Engineering with Specialisation in Data Science.
	(Annexure 33)
	The Academic Council considered and approved the same.
Item 62/40	To consider and ratify the changes in the courses in Integrated Master of Technology in Computer Science and Engineering with Specialisation in Data Science.
	(Annexure 34)
	The Academic Council considered and approved the same.
Item 62/41	To consider and ratify the changes in the courses in Integrated Master of Technology in Computer Science and Engineering.
	(Annexure 35)
	The Academic Council considered and approved the same.
Item 62/42	To consider and ratify the inclusion of pre-requisites for the courses in Bachelor of Technology in Computer Science and Engineering with Specialisation in Artificial Intelligence and Machine Learning.
	(Annexure 36)
	The Academic Council considered and approved the same.
Item 62/43	To consider and ratify the inclusion of pre-requisites for the courses in Integrated Master of Technology in Computer Science and Engineering with Specialisation in Business Analytics.
	(Annexure 37)
	The Academic Council considered and approved the same.
Item 62/44	Any other item.
	No additional Agenda Items were placed in the meeting.
Item 62/45	Vote of thanks
	The meeting ended with vote of thanks by the Registrar.

Dr. K. Sathiyanarayanan,
Secretary, Academic Council
Registrar, Vellore Institute of Technology

Dr. Rambabu Kodali
Chairperson, Academic Council
Vice Chancellor, Vellore Institute of Technology