Minutes of the

70th Meeting of the Academic Council

held on

24th June 2023

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

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Minutes of the 70th Meeting of the Academic Council

(24th June 2023 | 3.00 PM | Vellore Campus)

Members Present:

1. Dr. Rambabu Kodali, Vice-Chancellor, Chairperson
2. Dr. Partha Sharathi Mallick, Pro-Vice Chancellor
3. Dr. V.S. Kanchana Bhaaskaran, Pro-Vice Chancellor
4. Shri. Jaji Vijayaraman, Entrepreneur, Chennai
5. Prof. R. Govindarajan, *IISc, Bangalore*
6. Dr. Mangala Sunder Krishnan, *IIT Madras*
7. Prof. R. Gnanamoorthy, *IIT Madras*
8. Dr. M. Anthony Xavior, Dean Academics, Vellore Campus
9. Dr. A. Nayeemulla Khan, Dean Academics, Chennai Campus
10. Dr. N. Arunai Nambiraj, Dean, School of Advanced Sciences, Vellore Campus
11. Dr. A.S. Santhi, Dean, School of Civil Engineering, Vellore Campus
12. Dr. L. Muruganandam, Dean, School of Chemical Engineering, Vellore Campus
13. Dr. Mathew M. Noel, Dean, School of Electrical Engineering, Vellore Campus
14. Dr. S. Sumathy, Dean, School of Information Technology, Vellore Campus
15. Dr. K. Devendranath Ramkumar, Dean, School of Mechanical Engineering, Vellore Campus
16. Dr. M. Manoharan, Dean, School of Social Sciences and Languages, Vellore Campus
17. Dr. M. Vajjhala Venkata Gopal, Dean, VIT Business School, Vellore Campus
18. Dr. Vydianathan R, *Dean, VIT School of Design, Vellore Campus*
19. Dr. A. Madhumathi, Director, School of Architecture, Vellore Campus
20. Dr. C.D. Naiju, Director, Students' Welfare, Vellore Campus
21. Dr. P. Arulmozhivarman, Dean, Academics Research, Vellore Campus
22. Dr. Suvojit Ganguly, Assistant Dean, School of Hotel and Tourism Management, Vellore Campus
23. Dr. G. Kalaichelvan, Director, UG Admissions, Vellore Campus
24. Dr. Sasikumar S, Director, PG Admissions, Vellore Campus
25. Dr. P.C. Sabumon, Dean, Academic Research, Chennai Campus
26. Dr. R. Ganesan, Dean, School of Computer Sciences and Engineering, Chennai Campus
27. Dr. Senthil Kumar N, Dean, School of Electrical Engineering, Chennai Campus
28. Dr. Susan Elias, Dean, School of Electronics Engineering, Chennai Campus
29. Dr. M.S. Soundara Pandian, Dean, VIT School of Law, Chennai Campus
30. Dr. Annamalai K, Dean, School of Mechanical Engineering, Chennai Campus
31. Dr. Hari Krishnan K, Dean, VIT Business School, Chennai Campus
32. Dr. D. Vasanth Kumar, HOD, VIT Fashion Institute of Technology, Chennai Campus
33. Dr. V. Viswanathan, Deputy Controller of Examinations, Chennai Campus
34. Dr. A. Raja Annamalai, Associate Professor, Centre for Innovative Manufacturing Research, Vellore Campus
35. Dr. Madhusudhana Rao N, Dean Academics, VIT-AP University, Special Invitee
36. Dr. (Ms.) T. Jayabarathi, Registrar, Member Secretary

Leave of Absence:

1. Mr. Manikandan Thangarathnam, *UBER, Bangalore*
2. Prof. R. Narasimhan, *IISc, Bangalore*
3. Mrs. Muthazhaghi G, *Chennai, Alumni Representative*
4. Dr. Sridharan T.B., Controller of Examination
5. Dr. R. Siva, Dean, School of Biosciences and Technology, Vellore Campus
6. Dr. Ramesh Babu K, Dean, School of Computer Science and Engineering, Vellore Campus

7. Dr. S. Sivanantham, Dean, School of Electronics Engineering, Vellore Campus
8. Dr. S. Babu, Dean, VIT Agricultural Innovations and Advanced Learning, Vellore Campus
9. Dr. V. Samuel Rajkumar, Director, Career Development Centre, Vellore Campus
10. Dr. S. Mahalakshmi, Dean, School of Advanced Sciences, Chennai Campus
11. Dr. S. Elavenil, Dean, School of Civil Engineering, Chennai Campus
12. Dr. G. Bhuvaneswari, Associate Dean, School of Social Sciences and Languages, Chennai Campus
13. Dr. V. Thanikaiselvan, Associate Professor, School of Electronics Engineering, Vellore Campus
14. Dr. G. Madhumitha, Assistant Professor, School of Advanced Sciences, Vellore Campus
15. Ms. Sabrina Manickam (19MIS0137) Student Council Member
16. Ms. L Srimathi, (19MIS0137) Student Council Member

Item 70/1	**Welcome by Vice Chancellor** Vice Chancellor welcomed all the members of the Academic Council.
Item 70/2	**To consider and confirm the Minutes of the 69th meeting of the Academic Council.** ***(Annexure 1)*** **Comments arising out of the minutes of the 69th meeting of the Academic Council are none.** **The Academic Council confirmed the above minutes.**
Item 70/3	**To consider and approve the nomenclature for the Bachelor of Technology (Honours) programmes. Undergraduate Degree Programmes in emerging / multidisciplinary areas shall be allowed as specialization from the same Discipline and the minimum additional credits for such programmes shall be in the range of 18-20 and the same shall be mentioned in the degree as "Honours with Specialization" accordingly.** **Also Undergraduate Degree Programmes in emerging / multidisciplinary areas as specialization shall be allowed to take minimum additional credits in the range of 18-20 and earn an Honours and same shall be mentioned in the Degree as "Honours with Specialization" accordingly.** **<u>Eligibility Criteria:</u>** **Students with a minimum of 7.0 CGPA are eligible for registering courses under 'Honours' programme.**

School	Name of the Programme (Student admitted)	Honours Programme (Degree Nomenclature)
School of Computer Science and Engineering	Bachelor of Technology in Computer Science and Engineering	1. Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Bioinformatics 2. Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Information Security 3. Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Internet of Things 4. Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Data Science 5. Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Block Chain Technology

			6. Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Artificial Intelligence and Machine Learning 7. Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Cyber Physical Systems 8. Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Artificial Intelligence and Robotics
	School of Computer Science and Engineering	Bachelor of Technology in Computer Science and Engineering (Bioinformatics)	Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Bioinformatics
	School of Computer Science and Engineering	Bachelor of Technology in Computer Science and Engineering (Information Security)	Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Information Security
	School of Computer Science and Engineering	Bachelor of Technology in Computer Science and Engineering (Internet of Things)	Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Internet of Things
	School of Computer Science and Engineering	Bachelor of Technology in Computer Science and Engineering (Data Science)	Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Data Science
	School of Computer Science and Engineering	Bachelor of Technology in Computer Science and Engineering (Blockchain Technology)	Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Block Chain Technology
	School of Computer Science and Engineering	Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence and Machine Learning)	Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Artificial Intelligence and Machine Learning
	School of Computer Science and Engineering	Bachelor of Technology in Computer Science and Engineering (Cyber Physical Systems)	Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Cyber Physical Systems
	School of Computer Science and Engineering	Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence and Robotics)	Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Artificial Intelligence and Robotics
	School of Mechanical Engineering	Bachelor of Technology in Mechanical Engineering	1. Bachelor of Technology (Honours) Mechanical Engineering with Specialization in Automotive Engineering 2. Bachelor of Technology (Honours) Mechanical Engineering with Specialization in Manufacturing Engineering 3. Bachelor of Technology (Honours) Mechanical Engineering with Specialization in Electric Vehicles
	School of Mechanical Engineering	Bachelor of Technology in Mechanical Engineering (Automotive Engineering)	Bachelor of Technology (Honours) Mechanical Engineering with Specialization in Automotive Engineering
	School of Mechanical Engineering	Bachelor of Technology in Mechanical Engineering (Manufacturing Engineering)	Bachelor of Technology (Honours) Mechanical Engineering with Specialization in Manufacturing Engineering
	School of Mechanical Engineering	Bachelor of Technology in Mechanical Engineering (Electric Vehicles)	Bachelor of Technology (Honours) Mechanical Engineering with Specialization in Electric Vehicles

School of Electronics Engineering	Bachelor of Technology in Electronics and Communication Engineering	Bachelor of Technology (Honours) Electronics and Communication Engineering with Specialization in Biomedical Engineering
School of Electronics Engineering	Bachelor of Technology in Electronics and Communication Engineering (Biomedical Engineering)	Bachelor of Technology (Honours) Electronics and Communication Engineering with Specialization in Biomedical Engineering
School of Electronics Engineering	Bachelor of Technology in Electronics and Communication Engineering	Bachelor of Technology (Honours) Electronics and Communication Engineering with Specialization in Artificial Intelligence and Robotics
School of Electronics Engineering	Bachelor of Technology in Electronics and Communication Engineering	Bachelor of Technology (Honours) Electronics and Communication Engineering with Specialization in Data Science
School of Electronics Engineering	Bachelor of Technology in Electronics and Communication Engineering	Bachelor of Technology (Honours) Electronics and Communication Engineering with Specialization in Internet of Things
School of Electronics Engineering	Bachelor of Technology in Electronics and Communication Engineering	Bachelor of Technology (Honours) Electronics and Communication Engineering with Specialization in Artificial Intelligence and Machine Learning
School of Electronics Engineering	Bachelor of Technology in Electronics and Communication Engineering	Bachelor of Technology (Honours) Electronics and Communication Engineering with Specialization in Block Chain Technology
School of Electronics Engineering	Bachelor of Technology in Electronics and Communication Engineering	Bachelor of Technology (Honours) Electronics and Communication Engineering with Specialization in Information Security

The Academic Council considered and approved the same.

Item 70/4

To consider and approve the programme credit structure and curriculum for the following Honours Programmes.

1. Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Bioinformatics
2. Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Information Security
3. Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Internet of Things
4. Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Data Science
5. Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Block Chain Technology
6. Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Artificial Intelligence and Machine Learning
7. Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Cyber Physical Systems
8. Bachelor of Technology (Honours) Computer Science and Engineering with Specialization in Artificial Intelligence and Robotics
9. Bachelor of Technology (Honours) Mechanical Engineering with Specialization in Automotive Engineering

	10. Bachelor of Technology (Honours) Mechanical Engineering with Specialization in Manufacturing Engineering 11. Bachelor of Technology (Honours) Mechanical Engineering with Specialization in Electric Vehicles 12. Bachelor of Technology (Honours) Electronics and Communication Engineering with Specialization in Biomedical Engineering 13. Bachelor of Technology (Honours) Electronics and Communication Engineering with Specialization in Artificial Intelligence and Machine Learning 14. Bachelor of Technology (Honours) Electronics and Communication Engineering with Specialization in Data Science 15. Bachelor of Technology (Honours) Electronics and Communication Engineering with Specialization in Internet of Things 16. Bachelor of Technology (Honours) Electronics and Communication Engineering with Specialization in Artificial Intelligence and Robotics 17. Bachelor of Technology (Honours) Electronics and Communication Engineering with Specialization in Block Chain Technology 18. Bachelor of Technology (Honours) Electronics and Communication Engineering with Specialization in Information Security ***(Annexure 2)*** **The Academic Council considered and approved the same.**
Item 70/5	**To consider and approve the programme credit structure and curriculum of Minor in Electric Vehicles applicable for the following Bachelor of Technology Programmes.** Bachelor of Technology in Biotechnology; Bachelor of Technology in Civil Engineering; Bachelor of Technology in Chemical Engineering; Bachelor of Technology in Computer Science and Engineering; Bachelor of Technology in Computer Science and Engineering (Bioinformatics); Bachelor of Technology in Computer Science and Engineering (Information Security); Bachelor of Technology in Computer Science and Engineering (Internet of Things); Bachelor of Technology in Computer Science and Engineering (Data Science); Bachelor of Technology in Computer Science and Engineering (Blockchain Technology); Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence and Machine Learning); Bachelor of Technology in Computer Science and Engineering (Cyber Physical Systems); Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence and Robotics); Bachelor of Technology in Electrical and Electronics Engineering; Bachelor of Technology in Electronics and Instrumentation Engineering; Bachelor of Technology in Electrical and Computer Science Engineering; Bachelor of Technology in Electronics and Communication Engineering; Bachelor of Technology in Electronics and Communication Engineering (Biomedical Engineering); Bachelor of Technology in Electronics Engineering (VLSI Design and Technology);

	Bachelor of Technology in Electronics and Computer Engineering; Bachelor of Technology in Information Technology; *(Annexure 3)* **The Academic Council considered and approved the same.**
Item 70/6	**To consider and approve the programme credit structure and curriculum of Minor in Mechatronics and Automation applicable for the following Bachelor of Technology Programmes.** Bachelor of Technology in Biotechnology; Bachelor of Technology in Civil Engineering; Bachelor of Technology in Chemical Engineering; Bachelor of Technology in Computer Science and Engineering; Bachelor of Technology in Computer Science and Engineering (Bioinformatics); Bachelor of Technology in Computer Science and Engineering (Information Security); Bachelor of Technology in Computer Science and Engineering (Internet of Things); Bachelor of Technology in Computer Science and Engineering (Data Science); Bachelor of Technology in Computer Science and Engineering (Blockchain Technology); Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence and Machine Learning); Bachelor of Technology in Computer Science and Engineering (Cyber Physical Systems); Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence and Robotics); Bachelor of Technology in Electrical and Electronics Engineering; Bachelor of Technology in Electronics and Instrumentation Engineering; Bachelor of Technology in Electrical and Computer Science Engineering; Bachelor of Technology in Electronics and Communication Engineering; Bachelor of Technology in Electronics and Communication Engineering (Biomedical Engineering); Bachelor of Technology in Electronics Engineering (VLSI Design and Technology); Bachelor of Technology in Electronics and Computer Engineering; Bachelor of Technology in Information Technology; *(Annexure 4)* **The Academic Council considered and approved the same.**
Item 70/7	**To consider and approve the programme credit structure and curriculum of Minor in Physics applicable for the following Bachelor of Technology Programmes.** Bachelor of Technology in Mechanical Engineering; Bachelor of Technology in Mechanical Engineering (Automotive Engineering); Bachelor of Technology in Mechanical Engineering (Manufacturing Engineering); Bachelor of Technology in Mechanical Engineering (Electric Vehicles); Bachelor of Technology in Mechatronics and Automation; Bachelor of Technology in Biotechnology; Bachelor of Technology in Civil Engineering; Bachelor of Technology in Chemical Engineering; Bachelor of Technology in Computer Science and Engineering;

Bachelor of Technology in Computer Science and Engineering (Bioinformatics);
Bachelor of Technology in Computer Science and Engineering (Information Security);
Bachelor of Technology in Computer Science and Engineering (Internet of Things);
Bachelor of Technology in Computer Science and Engineering (Data Science);
Bachelor of Technology in Computer Science and Engineering (Blockchain Technology);
Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence and Machine Learning);
Bachelor of Technology in Computer Science and Engineering (Cyber Physical Systems);
Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence and Robotics);
Bachelor of Technology in Electrical and Electronics Engineering;
Bachelor of Technology in Electronics and Instrumentation Engineering;
Bachelor of Technology in Electrical and Computer Science Engineering;
Bachelor of Technology in Electronics and Communication Engineering;
Bachelor of Technology in Electronics and Communication Engineering (Biomedical Engineering);
Bachelor of Technology in Electronics Engineering (VLSI Design and Technology);
Bachelor of Technology in Electronics and Computer Engineering;
Bachelor of Technology in Information Technology;
Bachelor of Technology in Fashion Technology;

(Annexure 5)

The Academic Council considered and approved the same.

Item 70/8

To consider and approve the course contents for the courses of Minor in Physics.

Minor Courses						
Course Code	Course Title	L	T	P	C	Prerequisite
BPHY201L	Optics	3	0	0	3	NIL
BPHY202L	Classical Mechanics	3	0	0	3	NIL
BPHY203L	Quantum Mechanics	3	0	0	3	BPHY202L
BPHY301E	Computational Physics	2	0	2	3	NIL
BPHY302P	Physics Lab	0	0	2	1	NIL
BPHY401L	Solid State Physics	3	0	0	3	NIL
BPHY402L	Electromagnetic Theory	3	0	0	3	NIL
BPHY403L	Atomic and Nuclear Physics	3	0	0	3	NIL
BPHY404L	Statistical Mechanics	3	0	0	3	NIL

(Annexure 6)

The Academic Council considered and approved the same.

Item 70/9

To consider and approve the new academic programme, credit structure, curriculum and course contents of Master of Technology in Electric Mobility from the academic year 2023-24 onwards.

Discipline Core Courses						
Course Code	Course Title	L	T	P	C	Prerequisite
MELM501L	Electric Vehicle Technology	3	0	0	3	NIL
MELM502L	Automotive Embedded Systems	2	0	0	2	NIL
MELM502P	Automotive Embedded Systems Lab	0	0	2	1	NIL
MELM503L	Design of Automotive Power Converters	3	0	0	3	NIL
MELM503P	Design of Automotive Power Converters Lab	0	0	2	1	NIL

MELM504L	Batteries for Electric Vehicles: Multidisciplinary Perspectives	3	0	0	3	NIL
MELM505L	Electric Motor Drives	3	0	0	3	MELM503L, MELM503P
MELM505P	Electric Motor Drives Lab	0	0	2	1	MELM503L, MELM503P
MELM506L	Automotive Electrical and Electronics Systems	3	0	0	3	NIL
MELM507L	Charging Infrastructure for EVs	3	0	0	3	NIL
MELM507P	Electric Vehicle Lab	0	0	2	1	NIL
Discipline Electives						
MELM605L	Artificial Intelligence and Machine Learning for Electric Mobility	3	0	0	3	NIL
MELM608L	Techno-economical aspects of Electric Vehicle	3	0	0	3	NIL

(Annexure 7)

The Academic Council considered and approved the same.

Item 70/10

To consider and approve the new academic programme, credit structure and curriculum of Bachelor of Technology in Electrical and Computer Science Engineering from the academic year 2023-24 onwards.

(Annexure 8)

The Academic Council considered and approved the same.

Item 70/11

To consider and approve the course contents for the courses of Bachelor of Technology in Electrical and Computer Science Engineering.

Discipline-linked Engineering Science Courses						
Course Code	Course Title	L	T	P	C	Prerequisite
BECS201L	Semiconductor Devices and Circuits	3	0	0	3	BEEE102L, BEEE102P
BECS201P	Semiconductor Devices and Circuits Lab	0	0	2	1	BEEE102L, BEEE102P

(Annexure 9)

The Academic Council considered and approved the same.

Item 70/12

To consider and approve the following new Discipline Elective courses and its course contents for the Master of Technology programme in Power Electronics and Drives.

The curriculum was approved in the 67th meeting of the Academic Council held on 08th August 2022 [Item No. 67/26].

Discipline Electives						
Course Code	Course Title	L	T	P	C	Prerequisite
MPED610L	Embedded Systems Design for Power Electronic Applications	2	0	0	2	NIL
MPED610P	Embedded Systems Design for Power Electronic Applications Lab	0	0	2	1	NIL
MPED611L	FPGA for Power Electronic Converters	3	0	0	3	NIL

(Annexure 10)

The Academic Council considered and approved the same.

Item 70/13

To consider and approve the course contents for the courses of Bachelor of Commerce; Bachelor of Commerce (Business Process Services); Bachelor of Commerce (Banking and Capital Markets) and Bachelor of Commerce (Financial Technology)

The curriculum was approved in the 69th meeting of the Academic Council held on 16th March 2023 [Item No. 69/14, 9, 10, 11].

Discipline Core Courses						
Course Code	Course Title	L	T	P	C	Prerequisite
UCCA101L	Micro Economics	3	0	0	3	NIL
UCCA102L	Financial Accounting	4	0	0	4	NIL
UCCA103L	Marketing Management	3	0	0	3	NIL
UCCA104L	Business Management	3	0	0	3	NIL
UCCA105L	Business Law	3	0	0	3	NIL
UCCA106E	Business Mathematics and Statistics	3	0	2	4	NIL
UCCA107L	Macro Economics	3	0	0	3	NIL
UCCA207L	Financial Markets and Institutions	3	0	0	3	NIL
Discipline Elective						
UCCA110L	Business Communication	2	0	0	2	NIL
Ability Enhancement Courses						
UENG101L	Effective English Communication	2	0	0	2	NIL
UENG102L	Technical English Communication	2	0	0	2	NIL
UENG102P	Technical English Communication Lab	0	0	2	1	NIL
UHIN102L	Hindi	3	0	0	3	NIL
UFRE102L	French	3	0	0	3	NIL
UESP101L	Spanish	3	0	0	3	NIL
UCHI101L	Chinese	3	0	0	3	NIL
UJAP101L	Japanese	3	0	0	3	NIL
UGER101L	German	3	0	0	3	NIL
UARB101L	Arabic	3	0	0	3	NIL
UTAM102L	தமிழ் (Tamil)	3	0	0	3	NIL
UTAM103L	தமிழ் இலக்கியம் (Tamil Literature)	3	0	0	3	NIL
Skill Enhancement Courses						
USTS101P	Qualitative Skills – I	0	0	3	1.5	NIL
USTS102P	Quantitative Skills – I	0	0	3	1.5	NIL
UCCA317L	Inter and Intra Personal Skills	3	0	0	3	NIL
Value Added Courses						
USSC101L	Indian Constitution	2	0	0	2	NIL
UCHY101L	Environmental Science	2	0	0	2	NIL

(Annexure 11)

The Academic Council considered and approved the same.

Item 70/14

To consider and approve the course contents for the courses of Bachelor of Commerce offered by VIT Online Learning Institute (VITOL).

The curriculum was approved in the 64th meeting of the Academic Council held on 16th December 2021 [Item No. 64/9].

Discipline Core Courses						
Course Code	Course Title	L	T	P	C	Prerequisite
OLBCO201	Corporate Accounting	5	1	0	6	NIL
OLBCO202	Business Research And Statistics	5	1	0	6	NIL
OLBCO203	Cost Accounting	5	1	0	6	NIL
OLBCO204	Financial Management	5	1	0	6	NIL
OLBCO301	Management Accounting	5	1	0	6	NIL
OLBCO302	Taxation	5	1	0	6	NIL

Discipline Electives							
OLBCO305	Principles of Marketing	5	1	0	6	NIL
OLBCO306	Business Communication	5	1	0	6	NIL
OLBCO307	Banking Theory and Practice	5	1	0	6	NIL
OLBCO308	E-Commerce	5	1	0	6	NIL
OLBCO309	Auditing	5	1	0	6	NIL
OLBCO310	Entrepreneurial Development	5	1	0	6	NIL
OLBCO311	Organizational Behaviour	5	1	0	6	NIL
OLBCO312	Human Resources Management	5	1	0	6	NIL
OLBCO313	Insurance Management	5	1	0	6	NIL
Skill Enhancement Courses							
OLBCO205	Intra and Inter Personal Skills	3	1	0	4	NIL
OLBCO206	Stock Market Operations	5	1	0	6	NIL
OLBCO303	Collective Bargaining And Negotiation Skills	3	1	0	4	NIL
OLBCO304	Accounting Software for Business	0	2	0	2	NIL

(Annexure 12)

The Academic Council considered and approved the same.

Item 70/15

To consider and approve the course contents for the courses of Bachelor of Science in Multimedia and Animation.

The curriculum was approved in the 69th meeting of the Academic Council held on 16th March 2023 [Item No. 69/18].

Discipline Core Courses						
Course Code	Course Title	L	T	P	C	Prerequisite
UMMA101P	Drawing and Sketching	0	0	8	4	NIL
UMMA102P	Elements of Design	0	0	8	4	NIL
UMMA103L	Multimedia Systems	3	0	0	3	NIL
UMMA104P	Graphic Design	0	0	8	4	UMMA102P
UMMA105P	Scripting and Storyboarding	0	0	8	4	UMMA101P
UMMA106P	Photography	0	0	8	4	NIL
UMMA107P	Art for Animation	0	0	6	3	UMMA101P
Value Added Courses						
USSC101L	Indian Constitution	2	0	0	2	NIL
UCHY101L	Environmental Science	2	0	0	2	NIL
Skill Enhancement Courses						
USTS111P	Qualitative Skills – I	0	0	3	1.5	NIL
USTS112P	Quantitative Skills – I	0	0	3	1.5	NIL
Ability Enhancement Courses						
UENG101L	Effective English Communication	2	0	0	2	NIL
UENG102L	Technical English Communication	2	0	0	2	NIL
UENG102P	Technical English Communication Lab	0	0	2	1	NIL
UHIN102L	Hindi	3	0	0	3	NIL
UFRE102L	French	3	0	0	3	NIL
UESP101L	Spanish	3	0	0	3	NIL
UCHI101L	Chinese	3	0	0	3	NIL
UJAP101L	Japanese	3	0	0	3	NIL
UGER101L	German	3	0	0	3	NIL
UARB101L	Arabic	3	0	0	3	NIL
UTAM102L	தமிழ் (Tamil)	3	0	0	3	NIL
UTAM103L	தமிழ் இலக்கியம் (Tamil Literature)	3	0	0	3	NIL

(Annexure 13)

The Academic Council considered and approved the same.

Item 70/16

To consider and approve the course contents for the courses of Bachelor of Science in Visual Communication.

The curriculum was approved in the 69th meeting of the Academic Council held on 16th March 2023 [Item No. 69/19].

Discipline Core Courses						
Course Code	Course Title	L	T	P	C	Prerequisite
UBVI101P	Drawing and Sketching	0	0	8	4	NIL
UBVI102L	Visual Communication	2	0	0	2	NIL
UBVI103P	Graphic Design - I	0	0	8	4	NIL
UBVI104L	Desktop Publishing	0	0	4	2	NIL
UBVI105P	Scripting and Storyboarding	0	0	8	4	UBVI101P
UBVI106L	Advertising	3	0	0	3	NIL
UBVI107P	Visual Arts	0	0	8	4	UBVI101P
UBVI108P	Graphic Design - II	0	0	8	4	UBVI103P
Value Added Courses						
USSC101L	Indian Constitution	2	0	0	2	NIL
UCHY101L	Environmental Science	2	0	0	2	NIL
Skill Enhancement Courses						
USTS111P	Qualitative Skills - I	0	0	3	1.5	NIL
USTS112P	Quantitative Skills - I	0	0	3	1.5	NIL
Ability Enhancement Courses						
UENG101L	Effective English Communication	2	0	0	2	NIL
UENG102L	Technical English Communication	2	0	0	2	NIL
UENG102P	Technical English Communication Lab	0	0	2	1	NIL
UHIN102L	Hindi	3	0	0	3	NIL
UFRE102L	French	3	0	0	3	NIL
UESP101L	Spanish	3	0	0	3	NIL
UCHI101L	Chinese	3	0	0	3	NIL
UJAP101L	Japanese	3	0	0	3	NIL
UGER101L	German	3	0	0	3	NIL
UARB101L	Arabic	3	0	0	3	NIL
UTAM102L	தமிழ் (Tamil)	3	0	0	3	NIL
UTAM103L	தமிழ் இலக்கியம் (Tamil Literature)	3	0	0	3	NIL

(Annexure 14)

The Academic Council considered and approved the same.

Item 70/17

To consider and approve the course contents for the courses of Bachelor of Science in Hospitality and Hotel Administration.

The curriculum was approved in the 69th meeting of the Academic Council held on 16th March 2023 [Item No. 69/12].

Discipline Core Courses						
Course Code	Course Title	L	T	P	C	Prerequisite
UBHA101L	Theory of Cooking	2	0	0	2	NIL
UBHA101P	Theory of Cooking Practical	0	0	4	2	NIL
UBHA102L	Food Service	2	0	0	2	NIL
UBHA102P	Food Service Practical	0	0	4	2	NIL
UBHA103L	Principles of Housekeeping	2	0	0	2	NIL
UBHA103P	Housekeeping Practical	0	0	2	1	NIL
UBHA104L	Front Office	2	0	0	2	NIL
UBHA104P	Front Office Practical	0	0	2	1	NIL
UBHA105L	Bakery and Confectionery	2	0	0	2	NIL
UBHA105P	Bakery and Confectionery Practical	0	0	4	2	NIL
UBHA106L	Food and Beverage Service	2	0	0	2	NIL
UBHA106P	Food and Beverage Service Practical	0	0	4	2	NIL

	Discipline Electives						
UBHA107L	Housekeeping Service Skills	2	0	0	2	NIL
UBHA107P	Housekeeping Service Skills Practical	0	0	2	1	NIL
UBHA108L	Hotel Guest Cycle	2	0	0	2	NIL
UBHA108P	Hotel Guest Cycle Practical	0	0	2	1	NIL
	Value Added Courses						
USSC101L	Indian Constitution	2	0	0	2	NIL
UCHY101L	Environmental Science	2	0	0	2	NIL
	Skill Enhancement Courses						
USTS111P	Qualitative Skills - I	0	0	3	1.5	NIL
USTS112P	Quantitative Skills - I	0	0	3	1.5	NIL
	Ability Enhancement Courses						
UENG101L	Effective English Communication	2	0	0	2	NIL
UENG102L	Technical English Communication	2	0	0	2	NIL
UENG102P	Technical English Communication Lab	0	0	2	1	NIL
UHIN102L	Hindi	3	0	0	3	NIL
UFRE102L	French	3	0	0	3	NIL
UESP101L	Spanish	3	0	0	3	NIL
UCHI101L	Chinese	3	0	0	3	NIL
UJAP101L	Japanese	3	0	0	3	NIL
UGER101L	German	3	0	0	3	NIL
UARB101L	Arabic	3	0	0	3	NIL
UTAM102L	தமிழ் (Tamil)	3	0	0	3	NIL
UTAM103L	தமிழ் இலக்கியம் (Tamil Literature)	3	0	0	3	NIL

(Annexure 15)

The Academic Council considered and approved the same.

Item 70/18

To consider and approve the course contents for the courses of Bachelor of Science in Computer Science.

The curriculum was approved in the 69th meeting of the Academic Council held on 16th March 2023 [Item No. 69/14].

Discipline Core Courses						
Course Code	Course Title	L	T	P	C	Prerequisite
UMAT101L	Discrete Mathematics	3	0	0	3	NIL
UMAT102L	Probability and Statistics	3	0	0	3	NIL
UMAT201L	Linear Algebra	3	0	0	3	NIL
UCSC101L	Programming in Python	3	0	0	3	NIL
UCSC101P	Programming in Python Lab	0	0	2	1	NIL
UCSC102L	Software Engineering	3	0	0	3	NIL
UCSC103L	Computer Organization and Architecture	3	1	0	4	NIL
UCSC104L	Data Structures and Algorithms	3	0	0	3	NIL
UCSC104P	Data Structures and Algorithms Lab	0	0	2	1	NIL
UCSC105L	Object Oriented Programming	3	0	0	3	NIL
UCSC105P	Object Oriented Programming Lab	0	0	2	1	NIL
UCSC201L	Operating Systems	3	0	0	3	NIL
UCSC201P	Operating Systems Lab	0	0	2	1	NIL
UCSC202L	Database Management Systems	3	0	0	3	NIL
UCSC202P	Database Management Systems Lab	0	0	2	1	NIL
UCSC203L	Computer Networks	3	0	0	3	NIL
UCSC203P	Computer Networks Lab	0	0	2	1	NIL
UCSC204L	Programming in Java	3	0	0	3	NIL
UCSC204P	Programming in Java Lab	0	0	2	1	NIL
UCSC205L	Web Development	3	0	0	3	NIL
UCSC205P	Web Development Lab	0	0	2	1	NIL
UCSC206L	Full Stack Application Development	3	0	0	3	NIL
UCSC206P	Full Stack Application Development Lab	0	0	2	1	NIL

	UCSC301L	Software Testing	3	0	0	3	NIL
	UCSC301P	Software Testing Lab	0	0	2	1	NIL
	Value Added Courses						
	USSC101L	Indian Constitution	2	0	0	2	NIL
	UCHY101L	Environmental Science	2	0	0	2	NIL
	Ability Enhancement Courses						
	UENG101L	Effective English Communication	2	0	0	2	NIL
	UENG102L	Technical English Communication	2	0	0	2	NIL
	UENG102P	Technical English Communication Lab	0	0	2	1	NIL
	UHIN102L	Hindi	3	0	0	3	NIL
	UFRE102L	French	3	0	0	3	NIL
	UESP101L	Spanish	3	0	0	3	NIL
	UCHI101L	Chinese	3	0	0	3	NIL
	UJAP101L	Japanese	3	0	0	3	NIL
	UGER101L	German	3	0	0	3	NIL
	UARB101L	Arabic	3	0	0	3	NIL
	UTAM102L	தமிழ் (Tamil)	3	0	0	3	NIL
	UTAM103L	தமிழ் இலக்கியம் (Tamil Literature)	3	0	0	3	NIL
	Skill Enhancement Courses						
	USTS101P	Qualitative Skills - I	0	0	3	1.5	NIL
	USTS102P	Quantitative Skills - I	0	0	3	1.5	NIL

(Annexure 16)

The Academic Council considered and approved the same.

Item 70/19

To consider and approve the course contents for the courses of Bachelor of Computer Applications.

The curriculum was approved in the 69th meeting of the Academic Council held on 16th March 2023 [Item No. 69/15].

Discipline Core Courses						
Course Code	Course Title	L	T	P	C	Prerequisite
UMAT101L	Discrete Mathematics	3	0	0	3	NIL
UMAT102L	Probability and Statistics	3	0	0	3	NIL
UMAT201L	Linear Algebra	3	0	0	3	NIL
UBCA101L	Programming in Python	3	0	0	3	NIL
UBCA101P	Programming in Python Lab	0	0	2	1	NIL
UBCA102L	Computer Organization and Architecture	3	1	0	4	NIL
UBCA103L	Software Engineering	3	0	0	3	NIL
UBCA104L	Object Oriented Programming	3	0	0	3	NIL
UBCA104P	Object Oriented Programming Lab	0	0	2	1	NIL
UBCA105L	Data Structures and Algorithms	3	0	0	3	NIL
UBCA105P	Data Structures and Algorithms Lab	0	0	2	1	NIL
UBCA106L	Operating Systems	3	0	0	3	NIL
UBCA106P	Operating Systems Lab	0	0	2	1	NIL
UBCA201L	Computer Networks	3	0	0	3	NIL
UBCA201P	Computer Networks Lab	0	0	2	1	NIL
UBCA202L	Database Management Systems	3	0	0	3	NIL
UBCA202P	Database Management Systems Lab	0	0	2	1	NIL
UBCA203L	Programming in Java	3	0	0	3	NIL
UBCA203P	Programming in Java Lab	0	0	2	1	NIL
UBCA204L	Web Development	3	0	0	3	NIL
UBCA204P	Web Development Lab	0	0	2	1	NIL
UBCA301L	Full Stack Application Development	3	0	0	3	NIL
UBCA301P	Full Stack Application Development Lab	0	0	2	1	NIL
UBCA302L	Software Testing	3	0	0	3	NIL
UBCA302P	Software Testing Lab	0	0	2	1	NIL

	Value Added Courses						
USSC101L	Indian Constitution	2	0	0	2	NIL
UCHY101L	Environmental Science	2	0	0	2	NIL
	Ability Enhancement Courses						
UENG101L	Effective English Communication	2	0	0	2	NIL
UENG102L	Technical English Communication	2	0	0	2	NIL
UENG102P	Technical English Communication Lab	0	0	2	1	NIL
UHIN102L	Hindi	3	0	0	3	NIL
UFRE102L	French	3	0	0	3	NIL
UESP101L	Spanish	3	0	0	3	NIL
UCHI101L	Chinese	3	0	0	3	NIL
UJAP101L	Japanese	3	0	0	3	NIL
UGER101L	German	3	0	0	3	NIL
UARB101L	Arabic	3	0	0	3	NIL
UTAM102L	தமிழ் (Tamil)	3	0	0	3	NIL
UTAM103L	தமிழ் இலக்கியம் (Tamil Literature)	3	0	0	3	NIL
	Skill Enhancement Courses						
USTS101P	Qualitative Skills - I	0	0	3	1.5	NIL
USTS102P	Quantitative Skills - I	0	0	3	1.5	NIL

(Annexure 17)

The Academic Council considered and approved the same.

Item 70/20

To consider and approve the course contents for the courses of Five Year Integrated Master of Technology in Software Engineering

The curriculum was approved in the 69th meeting of the Academic Council held on 16th March 2023 [Item No. 69/20].

Foundation Core Course						
Course Code	Course Title	L	T	P	C	Prerequisite
ISWE101L	Software Engineering	3	0	0	3	NIL
Discipline-linked Engineering Science Courses						
IMAT205L	Discrete Mathematics and Graph Theory	3	1	0	4	NIL
ISWE201L	Digital Logic and Microprocessor	3	0	0	3	NIL
ISWE201P	Digital Logic and Microprocessor Lab	0	0	2	1	NIL
ISWE401L	Embedded Systems and IoT	3	0	0	3	ISWE201L, ISWE201P
ISWE401P	Embedded Systems and IoT Lab	0	0	2	1	ISWE201L, ISWE201P
Discipline Core Courses						
ISWE102L	Data Structures and Algorithms	3	0	0	3	NIL
ISWE102P	Data Structures and Algorithms Lab	0	0	2	1	NIL
ISWE103L	Database Systems	3	0	0	3	NIL
ISWE103P	Database Systems Lab	0	0	2	1	NIL
ISWE202L	Requirements Engineering and Management	3	0	0	3	NIL
ISWE203L	Theory of Computation	3	1	0	4	NIL
ISWE204L	Operating Systems	3	0	0	3	NIL
ISWE204P	Operating Systems Lab	0	0	2	1	NIL
ISWE205L	Computer Networks	3	0	0	3	NIL
ISWE205P	Computer Networks Lab	0	0	2	1	NIL
ISWE206L	Web Technologies	3	0	0	3	NIL
ISWE206P	Web Technologies Lab	0	0	2	1	NIL
ISWE207L	Object Oriented Analysis and Design	3	0	0	3	NIL
ISWE207P	Object Oriented Analysis and Design Lab	0	0	2	1	NIL
ISWE301L	Computer Architecture and Organization	3	0	0	3	NIL
ISWE302L	Artificial Intelligence	3	0	0	3	NIL

ISWE302P	Artificial Intelligence Lab	0	0	2	1	NIL
ISWE304L	Software Architecture	3	0	0	3	NIL
ISWE305L	Software Testing	3	0	0	3	NIL
ISWE305P	Software Testing Lab	0	0	2	1	NIL
ISWE306L	Software Project Management	3	0	0	3	NIL
ISWE402L	Software Metrics	3	0	0	3	NIL
ISWE403L	Software Configuration Management	3	0	0	3	NIL
ISWE404L	Design Patterns	3	0	0	3	NIL
ISWE405L	Network and Information Security	3	0	0	3	ISWE205L, ISWE205P
ISWE406L	Agile Development Process and Devops	3	0	0	3	NIL
ISWE406P	Agile Development Process and Devops Lab	0	0	2	1	NIL
ISWE407L	User Interface and User Experience Design	3	0	0	3	NIL
ISWE407P	User Interface and User Experience Design Lab	0	0	2	1	NIL

(Annexure 18)

The Academic Council considered and approved the same.

Item 70/21

To consider and approve the course contents for the courses of Master of Computer Applications.

The curriculum was approved in the 68th meeting of the Academic Council held on 19th December 2022 [Item No. 68/7].

Discipline Core Courses						
Course Code	Course Title	L	T	P	C	Prerequisite
PMAT501L	Probability and Statistics	3	0	0	3	NIL
PMCA501L	Data structures and Algorithms	3	0	0	3	NIL
PMCA501P	Data structures and Algorithms Lab	0	0	2	1	NIL
PMCA502L	Java Programming	3	0	0	3	NIL
PMCA502P	Java Programming Lab	0	0	2	1	NIL
PMCA503L	Database Systems	3	0	0	3	NIL
PMCA503P	Database Systems Lab	0	0	2	1	NIL
PMCA504L	Software Engineering	3	0	0	3	NIL
PMCA505L	Data Communication and Networking	3	0	0	3	NIL
PMCA506L	Cloud Computing	3	0	0	3	NIL
PMCA507L	Machine Learning	3	0	0	3	NIL
PMCA507P	Machine Learning Lab	0	0	2	1	NIL
Skill Enhancement Courses						
PENG501P	Technical Report Writing	0	0	4	2	NIL
PSTS501P	Qualitative Skills Practice	0	0	3	1.5	NIL
PSTS502P	Quantitative Skills Practice	0	0	3	1.5	NIL
Discipline Electives						
PMCA601L	Full Stack Web Development	3	0	0	3	NIL
PMCA601P	Full Stack Web Development Lab	0	0	2	1	NIL
PMCA602L	Python Programming	2	0	0	2	NIL
PMCA602P	Python Programming Lab	0	0	2	1	NIL
PMCA603L	Mobile Application Design and Development	2	0	0	2	NIL
PMCA603P	Mobile Application Design and Development Lab	0	0	2	1	NIL
PMCA604L	Soft Computing	3	0	0	3	NIL
PMCA605L	Cyber Security	3	0	0	3	NIL
PMCA606L	Internet of Things	3	0	0	3	NIL
PMCA607L	Big Data Analytics	3	0	0	3	NIL
PMCA608L	Deep Learning Techniques	3	0	0	3	NIL
PMCA609L	Social Network Analysis	3	0	0	3	NIL
PMCA610L	Blockchain Technologies	3	0	0	3	NIL
PMCA611L	Artificial Intelligence	3	0	0	3	NIL
PMCA612L	Domain Specific Predictive Analytics	3	0	0	3	NIL
PMCA613L	Digital Forensics	3	0	0	3	NIL
PMCA614L	Software Testing	2	0	0	2	NIL

PMCA614P	Software Testing Lab	0	0	2	1	NIL
PMCA615L	Software Project Management	3	0	0	3	NIL
PMCA616L	Storage Systems and Management	3	0	0	3	NIL
PMCA617L	Data Visualization	2	0	0	2	NIL
PMCA617P	Data Visualization Lab	0	0	2	1	NIL
PMCA618L	Industry 4.0	3	0	0	3	NIL
PMCA619L	Game programming	3	0	0	3	NIL
PMCA619P	Game programming Lab	0	0	2	1	NIL
PMCA620L	Programming in C#	3	0	0	3	NIL
PMCA620P	Programming in C# Lab	0	0	2	1	NIL
PMCA621L	Data Science	2	0	0	2	NIL
PMCA621P	Data Science Lab	0	0	2	1	NIL
PMCA622L	Optimization Techniques	3	0	0	3	NIL
PMCA623L	Business Data Analytics	3	0	0	3	NIL
Open Elective						
PSTS601L	Advanced Competitive Coding	3	0	0	3	NIL
Project and Internship						
PMCA696J	Study Oriented Project				02	NIL
PMCA697J	Design Project				02	NIL
PMCA698J	Internship I/ Dissertation I				12	NIL
PMCA699J	Internship II/ Dissertation II				15	NIL

(Annexure 19)

The Academic Council considered and approved the same.

Item 70/22

To consider and approve the course contents for the courses of Bachelor of Business Administration.

The curriculum was approved in the 69th meeting of the Academic Council held on 16th March 2023 [Item No. 69/16].

Discipline Core Courses						
Course Code	Course Title	L	T	P	C	Prerequisite
UBBA101L	Principles of Management	3	0	0	3	NIL
UBBA102L	Micro Economics	3	0	0	3	NIL
UBBA103L	Business Mathematics	3	1	0	4	NIL
UBBA104L	Financial Accounting	3	1	0	4	NIL
UBBA105L	Organisational Behaviour	3	0	0	3	NIL
UBBA106L	Macro Economics	3	0	0	3	UBBA102L
UBBA107L	Business Statistics	3	1	0	4	NIL
UBBA108L	Marketing Management-I	3	0	0	3	NIL
UBBA109L	Financial Management	3	0	0	3	UBBA104L
UBBA201L	Human Resource Management	3	0	0	3	NIL
UBBA202L	Marketing Management-II	3	0	0	3	NIL
UBBA203L	Management Accounting	3	0	0	3	NIL
UBBA204L	Operations Management-I	3	0	0	3	NIL
UBBA205L	Business Law	3	0	0	3	NIL
UBBA206L	Corporate Social Responsibility	3	0	0	3	NIL
UBBA207L	Consumer Behaviour	3	0	0	3	NIL
UBBA208L	Financial Reporting	3	0	0	3	NIL
UBBA209L	Operations Management-II	3	0	0	3	NIL
UBBA301L	International Business	3	0	0	3	NIL
Discipline Electives						
UBBA110L	Recruitment and Selection	3	0	0	3	UBBA201L
UBBA111L	Training and Development	3	0	0	3	NIL
UBBA112L	Organizational Change and Development	3	0	0	3	NIL
UBBA113L	Industrial Relations and Labour Laws	3	0	0	3	UBBA201L
UBBA210L	Sales Management	3	0	0	3	NIL

UBBA211L	Retail Management	3	0	0	3	NIL
UBBA212L	Brand Management	3	0	0	3	NIL
UBBA213L	Services Marketing	3	0	0	3	NIL
UBBA302L	Risk Management	3	0	0	3	NIL
UBBA303L	Principles of Taxation	3	0	0	3	NIL
UBBA304L	Banking and Insurance	3	0	0	3	NIL
UBBA305L	Financial Markets and Institutions	3	0	0	3	NIL
UBBA306L	Total Quality Management	3	0	0	3	NIL
UBBA307L	Supply Chain Management	3	0	0	3	NIL
UBBA308L	Project Management	3	0	0	3	NIL
UBBA309L	Business Analytics	3	0	0	3	NIL
Value Added Courses						
USSC101L	Indian Constitution	2	0	0	2	NIL
UCHY101L	Environmental Science	2	0	0	2	NIL
Ability Enhancement Courses						
UENG101L	Effective English Communication	2	0	0	2	NIL
UENG102L	Technical English Communication	2	0	0	2	NIL
UENG102P	Technical English Communication Lab	0	0	2	1	NIL
UHIN102L	Hindi	3	0	0	3	NIL
UFRE102L	French	3	0	0	3	NIL
UESP101L	Spanish	3	0	0	3	NIL
UCHI101L	Chinese	3	0	0	3	NIL
UJAP101L	Japanese	3	0	0	3	NIL
UGER101L	German	3	0	0	3	NIL
UARB101L	Arabic	3	0	0	3	NIL
UTAM102L	தமிழ் (Tamil)	3	0	0	3	NIL
UTAM103L	தமிழ் இலக்கியம் (Tamil Literature)	3	0	0	3	NIL
Skill Enhancement Courses						
USTS101P	Qualitative Skills – I	0	0	3	1.5	NIL
USTS102P	Quantitative Skills – I	0	0	3	1.5	NIL

(Annexure 20)

The Academic Council considered and approved the same.

Item 70/23

To consider and approve the course contents for the courses of Bachelor of Business Administration applicable for 2021 and 2022 batches.

The curriculum was approved in the 55th meeting of the Academic Council held on 13th June 2019 [Item No. 55.7.1].

Programme Elective							
Course Code	Course Title	L	T	P	J	C	Prerequisite
BMT3010	FinTech	3	0	0	0	3	NIL

(Annexure 21)

The Academic Council considered and approved the same.

Item 70/24

To consider and approve the course contents for the courses of Master of Business Administration.

The curriculum was approved in the 69th meeting of the Academic Council held on 16th March 2023 [Item No. 69/21].

Discipline Core Courses						
Course Code	Course Title	L	T	P	C	Prerequisite
PMBA501L	Organisational Behaviour	3	0	0	3	NIL
PMBA502L	Managerial Economics	3	0	0	3	NIL
PMBA503L	Accounting for Managerial Practices	2	1	0	3	NIL

PMBA504L	Quantitative Techniques	2	1	0	3	NIL
PMBA505L	Information Systems	3	0	0	3	NIL
PMBA506L	Marketing Management	3	0	0	3	NIL
PMBA507L	Legal Aspects of Business	3	0	0	3	NIL
PMBA508N	Career Management-I	3	0	0	3	NIL
PMBA509L	Human Resource Management	3	0	0	3	NIL
PMBA510L	Macro Economics and Business Environment	3	0	0	3	PMBA502L
PMBA511L	Operations Management	2	1	0	3	NIL
PMBA512L	Business Research Methods	3	0	0	3	NIL
PMBA513L	Financial Management	2	1	0	3	NIL
PMBA514L	Entrepreneurship Development	3	0	0	3	NIL
PMBA515E	Business Analytics	2	0	2	3	PMBA505L
PMBA516N	Career Management-II	3	0	0	3	NIL

(Annexure 22)

The Academic Council considered and approved the same.

Item 70/25

To consider and approve the course contents for the course of Master of Business Administration for the 2022 batch.

The curriculum was approved in the 54th meeting of the Academic Council held on 14th March 2019 [Item No. 54.9.1].

Programme Elective							
Course Code	Course Title	L	T	P	J	C	Prerequisite
BMT6207	FinTech	3	0	0	0	3	NIL

(Annexure 23)

The Academic Council considered and approved the same.

Item 70/26

To consider and approve the course contents for the courses of Bachelor of Technology in Computer Science and Engineering.

The curriculum was approved in the 62th meeting of the Academic Council held on 15th July 2021 [Item No. 62/17].

Discipline Elective Courses						
Course Code	Course Title	L	T	P	C	Prerequisite
BCSE401L	Internet of Things	3	0	0	3	NIL
BCSE402L	Big Data Analytics	3	0	0	3	NIL
BCSE403L	Digital Image Processing	3	0	0	3	NIL
BCSE404L	Internet and Web Programming	3	0	0	3	NIL
BCSE405L	Advanced Java Programming	3	0	0	3	NIL
BCSE406L	NoSQL Databases	3	0	0	3	NIL
BCSE407L	Computer Vision	3	0	0	3	NIL
BCSE408L	Cloud Computing	3	0	0	3	NIL
BCSE409L	Natural Language Processing	3	0	0	3	NIL
BCSE410L	Cyber Security	3	0	0	3	NIL
BCSE411L	Robotics and Automation	3	0	0	3	NIL
BCSE412L	Parallel Computing	3	0	0	3	NIL
BCSE413L	Soft Computing	3	0	0	3	NIL
BCSE414L	High-Performance Computing	3	0	0	3	NIL

(Annexure 24)

The Academic Council considered and approved the same.

Item 70/27

To consider and approve the course contents for the courses of Bachelor of Technology in Manufacturing Engineering for the Diploma Holders of TATA Electronics Private Ltd offered under Blended Learning Mode.

The curriculum was approved in the 66th meeting of the Academic Council held on 16th June 2022 [Item No. 66/13].

Foundation Core Course						
Course Code	Course Title	L	T	P	C	Prerequisite
WBMF109E	Computer Programming: Python	1	0	4	3	NIL
Discipline Core Courses						
WBMF207L	Metrology and Measurements	3	0	0	3	NIL
WBMF207P	Metrology and Measurements Lab	0	0	2	1	NIL
WBMF209L	Materials Testing and Characterization	3	0	0	3	WBMF110L, WBMF110P
WBMF209P	Materials Testing and Characterization Lab	0	0	2	1	WBMF110L, WBMF110P
WBMF211L	Reliability and Maintenance Engineering	3	0	0	3	NIL
WBMF304L	Manufacturing Systems Design	3	0	0	3	NIL
WBMF304P	Manufacturing Systems Design Lab	0	0	2	1	NIL
WBMF305L	Surface Engineering	3	0	0	3	NIL
Discipline Electives						
WBMF405L	Industry Revolution 4.0	3	0	0	3	NIL
WBMF411L	Assembly Automation	3	0	0	3	NIL
WBMF412L	Cosmetics and surface Metrology	3	0	0	3	NIL
WBMF413L	Micro and Nano Machining	3	0	0	3	NIL
WBMF414L	Operations Research	3	0	0	3	NIL
WBMF415L	LASER technology and Applications	3	0	0	3	NIL
WBMF416L	Manufacturing Planning and Control	3	0	0	3	NIL
WBMF417L	Industrial Safety	3	0	0	3	NIL
WBMF418L	CNC Machine Tools	3	0	0	3	NIL
WBMF420L	Electronics Manufacturing Technology	3	0	0	3	NIL
WBMF421L	Plastic Technology	3	0	0	3	NIL
WBMF423L	Big Data Analytics	3	0	0	3	NIL
WBMF424L	Problem Solving and Design Thinking	3	0	0	3	NIL
WBMF425L	Total Productive Maintenance	3	0	0	3	NIL

(Annexure 25)

The Academic Council considered and approved the same.

Item 70/28

To consider and approve the course contents for the courses of Bachelor of Technology in Construction Technology for the Diploma Holders of Larsen & Toubro Limited (L&T) offered under Blended Learning Mode.

The curriculum was approved in the 66th meeting of the Academic Council held on 16th June 2022 [Item No. 66/14].

Foundation Core Courses						
Course Code	Course Title	L	T	P	C	Prerequisite
WBCT105L	Value Engineering	3	1	0	4	NIL
WBCT106L	Supply Chain Management	3	1	0	4	NIL
WBCT107L	Professional Ethics	3	0	0	3	NIL
Discipline Core Courses						
WBCT210L	Industrial Engineering	3	1	0	4	NIL
WBCT211L	Construction Safety	3	1	0	4	NIL
Discipline Electives						
WBCT301E	Structural Analysis and Design	2	1	2	4	WBCT108L
WBCT302E	Geotechnical Engineering	3	0	2	4	NIL
WBCT303L	Highway Engineering	3	1	0	4	WBCT109E
WBCT304E	Environmental Engineering	3	0	2	4	NIL
WBCT305L	Irrigation Engineering	3	1	0	4	NIL

WBCT306L	Distress Diagnostics, Repair and Rehabilitation of Structures	3	1	0	4	NIL
WBCT307L	Formwork for Concrete Structures	3	1	0	4	NIL
WBCT308L	Welding Technology for Construction	3	1	0	4	NIL
WBCT309E	Heating, Ventilation, Air Conditioning (HVAC) Systems and their Applications	3	0	2	4	NIL
WBCT310E	Non-Destructive Evaluation Techniques	3	0	2	4	NIL
WBCT311L	Hydraulics and Pneumatics	3	1	0	4	NIL
WBCT312L	Metal Casting Technology	3	1	0	4	NIL
WBCT313L	Manufacturing Processes	3	1	0	4	NIL
WBCT314L	Maintenance Engineering	3	1	0	4	NIL
WBCT315L	Power Transmission and Distribution System Design for Construction	3	1	0	4	NIL
WBCT316L	Smart Grid Technologies	3	1	0	4	NIL
WBCT317L	Solar Plant Design and Construction	3	1	0	4	NIL
WBCT318L	Substation Design and Engineering	3	1	0	4	NIL
WBCT319L	Energy Storage Systems and Electric Vehicles	3	1	0	4	NIL
WBCT320E	Switchgear, Protective Relays and Testing of Power Equipment	3	0	2	4	NIL
WBCT321L	SCADA for Substation	3	1	0	4	NIL
Project						
WBCT497J	Project-I				6	NIL
WBCT498J	Project-II				6	NIL

(Annexure 26)

The Academic Council considered and approved the same.

Item 70/29

To consider and approve the course contents for the course of Bachelor of Technology in Civil Engineering.

The curriculum was approved in the 62th meeting of the Academic Council held on 15th July 2021 [Item No. 62/16].

Discipline Core Course						
Course Code	Course Title	L	T	P	C	Prerequisite
BCLE317L	Building Information Modeling	2	0	0	2	NIL

(Annexure 27)

The Academic Council approved the above item and suggested to add practical / lab component to the course.

Item 70/30

To consider and approve the course contents for the courses of Master of Technology in Electronics and Communication Engineering (Intelligent Communication Systems).

The curriculum was approved in the 69th meeting of the Academic Council held on 16th March 2023 [Item No. 69/7].

Discipline Core Courses						
Course Code	Course Title	L	T	P	C	Prerequisite
MEIC501L	Machine Learning for Communications	3	0	0	3	NIL
MEIC501P	Machine Learning for Communications Lab	0	0	2	1	NIL
MEIC502L	Communication Networks	3	0	0	3	NIL
MEIC503L	Network Security	3	0	0	3	NIL
MEIC504L	Multimedia Communication Systems	3	0	0	3	NIL
MEIC505L	Internet of Things	3	0	0	3	NIL
MEIC506L	Wireless Communications	3	0	0	3	NIL
MEIC507E	Embedded C Programming	1	0	4	3	NIL
MEIC508P	Communication Technologies Lab	0	0	4	2	NIL
Discipline Electives						
MEIC601L	Signal Theory	3	0	0	3	NIL
MEIC602L	Mobile Ad-hoc Networks	3	0	0	3	NIL

MEIC603L	Sensor Networks	3	0	0	3	NIL
MEIC604L	Smart Antennas	3	0	0	3	NIL
MEIC605L	Optical Networks	3	0	0	3	NIL
MEIC607L	Soft Computing	3	0	0	3	NIL
MEIC608L	Blockchain Technology	3	0	0	3	NIL
MEIC609L	Big Data Analytics	3	0	0	3	NIL

(Annexure 28)

The Academic Council considered and approved the same.

Item 70/31

To consider and approve the revised curriculum and course contents for the courses of Master of Technology in Biomedical Engineering.

The curriculum was approved in the 67th meeting of the Academic Council held on 08th August 2022 [Item No. 67/16].

Discipline Core Courses						
Course Code	Course Title	L	T	P	C	Prerequisite
MBML503L	Biomedical Sensors and Data Acquisition Techniques	2	0	0	2	NIL
MBML510L	Biomedical Instrumentation and Measurements	3	0	0	3	NIL
MBML510P	Biomedical Instrumentation and Measurements Lab	0	0	2	1	NIL
MBML511L	Medical Image Analysis	3	0	0	3	NIL
MBML511P	Medical Image Analysis Lab	0	0	2	1	NIL
MBML602L	Biomaterials	3	0	0	3	NIL
MBML603L	Biomechanics	3	0	0	3	NIL
Discipline Electives						
						NIL
MBML509L	Health Care Management	3	0	0	3	NIL
MBML601L	Rehabilitation Engineering	3	0	0	3	NIL
MBML606L	MEMS and NEMS for Biomedical Applications	3	0	0	3	NIL
MBML610L	Medical Robotics	3	0	0	3	NIL
MBML612L	Biomedical Laser Instrumentation	3	0	0	3	NIL

(Annexure 29)

The Academic Council considered and approved the same.

Item 70/32

To consider and approve the revised curriculum and course contents for the courses of Master of Technology in Embedded Systems.

The curriculum was approved in the 67th meeting of the Academic Council held on 08th August 2022 [Item No. 67/18].

Discipline Core Course						
Course Code	Course Title	L	T	P	C	Prerequisite
MEDS504L	In Vehicle Networking	3	0	0	3	NIL
Discipline Electives						
MEDS601L	Electromagnetic Interference and compatibility	3	0	0	3	NIL
MEDS616L	Machine Learning and Deep Learning	3	0	0	3	NIL
MEDS613L	Cloud computing	3	0	0	3	NIL
MEDS614L	Cyber Physical Systems	3	0	0	3	NIL
MEDS614P	Cyber Physical Systems Lab	0	0	2	1	NIL
MEDS615L	5G and Future generation communication systems	3	0	0	3	NIL

(Annexure 30)

The Academic Council considered and approved the same.

Item 70/33

To consider and approve the revised curriculum and course contents for the courses of Master of Technology in Internet of Things and Sensor Systems.

The curriculum was approved in the 67th meeting of the Academic Council held on 08th August 2022 [Item No. 67/19].

Discipline Core Courses						
Course Code	Course Title	L	T	P	C	Prerequisite
MITS509L	Sensor Technology and Data Acquisition	3	0	0	3	NIL
MITS509P	Sensor Technology and Data Acquisition Lab	0	0	2	1	NIL
MITS510L	IoT Architecture	3	0	0	3	NIL
MITS510P	IoT Architecture Lab	0	0	2	1	NIL
MITS511L	Microsystems Fabrication Technology	3	0	0	3	NIL
MITS512L	Microcontrollers and Interfacing	3	0	0	3	NIL
MITS512P	Microcontrollers and Interfacing Lab	0	0	2	1	NIL
MITS513L	Wireless Sensor Networks and Data Communication	3	0	0	3	NIL
MITS514L	Robotics and Control Systems	2	0	0	2	NIL
MITS514P	Robotics and Control Systems Lab	2	0	0	2	NIL
Discipline Electives						
MITS614L	Deep Learning	3	0	0	3	NIL
MITS615L	Web Design and Development	3	0	0	3	NIL

(Annexure 31)

The Academic Council considered and approved the same.

Item 70/34

To consider and approve the revised curriculum and course contents for the courses of Master of Technology in Automotive Electronics.

The curriculum was approved in the 67th meeting of the Academic Council held on 08th August 2022 [Item No. 67/15].

Discipline Electives						
Course Code	Course Title	L	T	P	C	Prerequisite
MAME617L	Augmented and Virtual Reality for Automotive Applications	3	0	0	3	NIL
MAME616L	Automotive IoT	3	0	0	3	NIL
MAME618L	Soft Computing Techniques	3	0	0	3	NIL
MAME609L	Machine Vision System for Automotive	3	0	0	3	NIL
MAME609P	Machine Vision System for Automotive Lab	0	0	2	1	NIL

(Annexure 32)

The Academic Council considered and approved the same.

Item 70/35

To consider and approve the revised curriculum and course contents for the courses of Master of Technology in VLSI Design.

The curriculum was approved in the 67th meeting of the Academic Council held on 08th August 2022 [Item No. 67/21].

Discipline Core Courses						
MVLD501L	Physics of VLSI Devices	3	0	0	3	NIL
MVLD502L	Digital IC Design	3	0	0	3	NIL
MVLD503L	Digital Design with FPGA	2	0	0	2	NIL
MVLD504L	Analog IC Design	3	0	0	3	NIL
MVLD504P	Analog IC Design Lab	0	0	2	1	NIL
MVLD505L	ASIC Design	3	0	0	3	NIL
MVLD507L	IC Technology	3	0	0	3	NIL

	Discipline Electives						
	MVLD616L	Scripting Languages for Electronic Design Automation	3	0	0	3	NIL
	MVLD617L	Neuromorphic Engineering and Hardware Accelerators	3	0	0	3	NIL
	MVLD601L	Computer Aided Design For VLSI	3	0	0	3	NIL
	MVLD602L	Low Power IC Design	3	0	0	3	NIL
	MVLD603L	VLSI Verification Methodologies	3	0	0	3	NIL
	MVLD607L	RFIC Design	3	0	0	3	NIL
	MVLD611L	Advanced Computer Architecture	3	0	0	3	NIL
	MVLD613L	System Design With FPGA	3	0	0	3	NIL

(Annexure 33)

The Academic Council considered and approved the same.

Item 70/36

To consider and approve the new academic programme, credit structure, curriculum and course contents for the courses of Master of Technology in Chemical Engineering from the academic year 2023-24 onwards.

Discipline Core Courses						
Course Code	Course Title	L	T	P	C	Prerequisite
MCHE501L	Computational Methods in Chemical Engineering	3	0	0	3	NIL
MCHE501P	Computational Methods in Chemical Engineering Lab	0	0	2	1	NIL
MCHE502L	Advanced Transport Phenomena	3	0	0	3	NIL
MCHE503L	Advanced Chemical Engineering Thermodynamics	3	0	0	3	NIL
MCHE504L	Chemical Reactor Analysis and Design	3	0	0	3	NIL
MCHE505L	Chemical Process Control	3	0	0	3	NIL
MCHE506L	Separation Processes	3	0	0	3	NIL
MCHE506P	Separation Processes Lab	0	0	2	1	NIL
MCHE507L	Chemical Process Modelling and Simulation	3	0	0	3	NIL
MCHE507P	Chemical Process Modelling and Simulation Lab	0	0	2	1	NIL
Discipline Electives						
MCHE601L	Bioprocess Engineering	3	0	0	3	NIL
MCHE602L	Statistical Thermodynamics	3	0	0	3	NIL
MCHE603L	Environmental Nanotechnology	3	0	0	3	NIL
MCHE604L	Green Chemistry and Green Engineering	3	0	0	3	NIL
MCHE605L	Sustainable Solid Waste Management	3	0	0	3	NIL

(Annexure 34)

The academic council didn't approve the above item. However, suggested to include the above all courses in the curriculum of Bachelor of Technology in Chemical Engineering as a higher level elective courses which may be offered to the Research Scholars also admitted for Ph.D. programme or direct Ph.D. programme in Chemical Engineering as a part of course work.

Item 70/37

To consider and approve the new Discipline Elective courses and its course contents for the course of Bachelor of Technology in Chemical Engineering

The curriculum was approved in the 62th meeting of the Academic Council held on 15th July 2021 [Item No. 62/15].

Discipline Elective						
Course Code	Course Title	L	T	P	C	Prerequisite
BCHE407L	Electrochemical Engineering	3	0	0	3	NIL

(Annexure 35)

The Academic Council considered and approved the same.

Item 70/38

To consider and approve the removal of Pre-requisite for the course of Bachelor of Technology in Chemical Engineering.

Discipline-Linked Engineering Sciences Course						
Course Code	Course Title	L	T	P	C	Prerequisite
BCHE206L	Materials Science and Engineering	3	0	0	3	NIL

(Annexure 36)

The Academic Council considered and approved the same.

Item 70/39

To consider and approve the course contents for the course of Bachelor of Technology in Computer Science and Engineering with Specialization in Artificial Intelligence & Robotics

The curriculum was approved in the 59th meeting of the Academic Council held on 24th September 2020 [Item No. 59.13.9].

University Core Course							
Course Code	Course Title	L	T	P	J	C	Prerequisite
CSE1903	Comprehensive Examination	0	0	0	0	1	NIL

(Annexure 37)

The Academic Council considered and approved the same.

Item 70/40

To consider and approve the course contents for the course of Five Year Integrated Master of Technology in Computer Science & Engineering in Specialization with Business Analytics

The curriculum was approved in the 55th meeting of the Academic Council held on 13th June 2019 [Item No. 55.10.3].

University Core Course							
Course Code	Course Title	L	T	P	J	C	Prerequisite
CSE1907	Comprehensive Examination	0	0	0	0	1	NIL

(Annexure 38)

The Academic Council considered and approved the same.

Item 70/41

To consider and approve the course contents for the courses of Bachelor of Science with Mathematics and Computing.

The curriculum was approved in the 62nd meeting of the Academic Council held on 15th July 2021 [Item No. 62/7].

Discipline Electives						
Course Code	Course Title	L	T	P	C	Prerequisite
UMGT251L	Financial Accounting	3	0	0	3	NIL
UMGT252L	Economic Analysis for Business	3	0	0	3	NIL
UCSE152E	Computer Programming : Java	1	0	4	3	NIL
Skill Enhancement Elective Course						
UMGT152L	Principles of Management	3	0	0	3	NIL
Project						
USSC399J	Project	0	0	0	6	NIL

(Annexure 39)

The Academic Council considered and approved the same.

Item 70/42	**To consider and approve the course contents of the open elective courses as per the curriculum of Bachelor of Technology Programmes.**

Open Electives						
Course Code	Course Title	L	T	P	C	Prerequisite
BHUM229L	Mind, Embodiment, and Technology	3	0	0	3	NIL
BHUM230L	Health Humanities in Biotechnological Era	3	0	0	3	NIL

(Annexure 40)

The Academic Council considered and approved the same.

Item 70/43	**To consider and approve the new open elective courses and its course contents for the courses of Five Year Integrated B.B.A.,LL.B (Hons.) and B.A.,LL.B (Hons.).**

Open Electives						
Course Code	Course Title	L	T	P	C	Prerequisite
TLAW446L	Interpretation of Statues	4	1	0	4	NIL
TLAW447L	Defense and Strategies studies	4	1	0	4	NIL
TLAW448L	Indian Legal System	4	1	0	4	NIL
TLAW449L	Sociology of Law	4	1	0	4	NIL

(Annexure 41)

The Academic Council considered and approved the same.

Item 70/44	**To consider and approve the Re-registration for Maximum Research period completed Research Scholars – (More than 8 Years).**

The Academic Council considered and approved the following:

a) Maximum Research period completed Research Scholars (8 Years) will be advised to re-register their Research Program based on Ph.D registration year.

b) Research Scholars who had completed Colloquium, but not able to submit the thesis within 8 years shall present their work to the Internal Committee who will recommend for exemption of Maximum of six months based on research work.

Item 70/45	**To consider and approve the Amendments in Ph.D. regulations 2015 and 2019.**

(Annexure 42)

The Academic Council considered and approved the same.

Item 70/46	**To Consider and approve the Eligibility and Course work criteria for Direct Ph.D. 2023 (Name Changed from Integrated Ph.D.).**

(Annexure 43)

The Academic Council considered and approved the same.

Item 70/47	**Any other item** ❖ India NIRF Ranking 2023 - VIT ranks are: 8th in University, 11th in Engineering, 11th in Research and 17th in Overall. ❖ In QS Ranking – VIT rank is 9th in the Engineering and Technology. ❖ VIT is in No. 1 position in the Number of citation indexed in Q1 Journals.
Item 70/48	**Vote of thanks** The meeting ended with vote of thanks by the Registrar.

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