



MANIPAL

ACADEMY of HIGHER EDUCATION

(Institution of Eminence Deemed to be University)

MAHE/DREG/ACM/2701/2024/Tech/08

29th January 2024

Director
MIT, Manipal

Dear Sir,

Sub: Decisions taken in the Academic Council Meeting.

The following is the decision taken in the 76th Academic Council meeting held on 27th January 2024:

8.1 First Year Engineering, MAHE:

- Introduction of Integrated M Tech-PhD programme from the academic year 2024-25 onwards
- Revised curriculum for first year B Tech CSE stream from the academic year 2024-25 onwards

8.2 Electrical stream in Engineering, MAHE:

1) Department of Biomedical Engineering:

- A. Syllabus of the NPTEL course for B.Tech. Honours - Applied Linear Algebra for Signal Processing, Data Analytics and Machine Learning with immediate effect
- B. Syllabus of the new program elective course for M.Tech. programs - Neuroengineering with immediate effect

2) Department of Electronics & Communication Engineering:

- A. Second year syllabus of new Program - B.Tech. in Electronics Engineering (VLSI Design and Technology) with immediate effect
- B. MOOC Courses for B.Tech. Honours: Medical Image Analysis, Deep Learning, VLSI Design Flow: RTL to GDS, Fundamentals of Micro and Nanofabrication with immediate effect

3) Department of Electrical & Electronics Engineering:

- A. Syllabus of the NPTEL course for B.Tech. Honours - Smart Grid: Basics to Advanced Technologies & Addition of 1 credit Mini-Project with immediate effect
- B. Syllabus of the customized course (with NPTEL & COURSERA modules) for B.Tech. Honours - Introduction to Industrial IoT & Digital Twin Technology with immediate effect

4) Department of Mechatronics:

- A. Syllabus of the new program elective course - Industrial Data Analytics for Mechatronics with immediate effect

B. Approval for 2+2 transfer/ dual degree program for Bachelor of Engineering (Honours) in Mechatronics Engineering in academic collaboration with Deakin University, Australia from academic year 2024-25 onwards

5) Department of Instrumentation and Control Engineering MIT, Manipal:

- Increase of intake in B.Tech (Cyber physical systems) from present 60 to 120 and reduction of intake of B.Tech in Electronics and Instrumentation Engineering to 60 from present 120 from academic year 2024-25 onwards

6) Reduction in the intake / Closure of following M.Tech. programs from the AY 2024-25:

Department	Program Title	Reduction / Closure
Bio-medical	Biomedical Engineering	Reduction from 25 to 18
	Medical Informatics	Reduction from 30 to 12
Electronics & Communication	Digital Electronics & Communication	Reduction from 30 to 18
	Wireless and Mobile Communications	Closed
Electrical & Electronics	Power Electronics & Drives	Reduction from 18 to 6
	Electric Vehicle Technology	Reduction from 30 to 18
Instrumentation & Control	Embedded Control and Automation	Reduction from 18 to 6
	Internet of Things	Closed
Mechatronics	Industrial Automation & Robotics	Reduction from 30 to 18



MANIPAL

ACADEMY of HIGHER EDUCATION

(Institution of Eminence Deemed to be University)

8.3 Mechanical stream in Engineering, MAHE:

- A. Massive Open Online Courses (MOOCs) for B. Tech. (Honours) students applicable from AY 2023-24.
- B. Matters related to the UG syllabus applicable for the Curriculum 2022:
 - New Program Elective Course - Microfluidics for B. Tech. Mechanical Engineering.
- C. Reduction in the intake of UG and PG programs applicable from AY 2024-25.

Department	Program name	Current Intake	Proposed Intake
Mechanical and Industrial Engg.	B. Tech. Industrial Engg.	60	30
	M. Tech. Computer Aided Analysis and Design	30	18
	M. Tech. Manufacturing Engineering	18	06
	M. Tech. Thermal Sciences and Energy Systems	18	12
Aeronautical and Automobile Engg.	M. Tech. Automobile Engineering	30	18
	M. Tech. Avionics	30	18
	M. Tech. Defence Technology	30	18
	M. Tech. Applied Computational Fluid Dynamics	30	18

- D. Approval for 2+2 dual degree program with Deakin University for Bachelor of Engineering (Honours) - Mechanical Engineering applicable from AY 2024-25.
- E. Approval for 2+2 dual degree program with the University of Queensland for Bachelor of Engineering (Honours) - Mechanical Engineering applicable from AY 2024-25.

8.4 Computer stream in Engineering, MAHE:

1) Department of Information and Communication Technology:

Reduction in the intake for MTech from AY 2024-25.

- a) Machine Intelligence and Decision Science from 30 to 18
- b) Software Engineering from 18 to 12.

2) Department of Data Science and Computer Application:

- a. NPTEL courses to be offered to B.Tech (Honours) students with immediate effect.
- b. Increase in intake of Master of Computer Applications from current 120 to 180 from AY 2023-2024 onwards

3) Department of Humanities and Management:

- a. Revised course structure and syllabus of B.Tech. (Computer Science and Financial Technology) for the students admitted from the academic year 2023-2024 onwards
- b. Starting of a new Program - Integrated Dual Degree with MTech. (Entrepreneurship) applicable for the B.Tech. students admitted to any branch at MIT, Manipal, during the academic year 2023-2024.
- c. Revised syllabus of Minor courses - Intellectual Property Management, Financial Econometrics from AY 2023-2024 onwards
- d. Revised syllabus of M.Tech. (Engineering Management) - Business Analytics (HUM 5215) from AY 2023-2024 onwards
- e. Two core Courses handled during B. Tech. third year - Essentials of Management, and Engineering Economics and Financial Management to incorporate online courses (Coursera/Swayam) as one of the components for internal evaluation from AY 2023-2024 onwards
- f. Reduction in the intake of M.Tech. (Engineering Management) from 18 to 6 from AY 2024-25 onwards

4) Department of Mathematics:

1. Approval for Vision, Mission statements from AY 2023-24 onwards

8.5 Building Science, Chemical, and Biotechnology stream in Engineering, MAHE:

- Reduction in Intake of MTech (Environmental Engineering) from 30 to 18 from academic year 2024-25 onwards
- Collaboration with L&T EduTech for offering industry-oriented courses as a flexible core and minor specialization from academic year 2024-25 onwards



MANIPAL

ACADEMY of HIGHER EDUCATION

(Institution of Eminence Deemed to be University)

- Introduction of dual degree program with UQ School of Civil Engineering, University of Queensland, Australia: offering Bachelor of Engineering (Honours) Civil Engineering from academic year 2024-25 onwards

8.6 Department of Sciences:

- Revised program structure and syllabus of M.Sc. (Applied Mathematics & Computing), M.Sc. (Physics), M.Sc.(Chemistry) and M.Sc. Geology applicable from academic year 2024-25 onwards
- Starting of M.Sc.(Chemistry) as WILP program for employees of CIPLA from February 2024 onwards

Yours faithfully,



Dr. P. Giridhar Kini
Registrar

Copy to:

1. Vice-Chancellor, MAHE, Manipal
2. Pro Vice-Chancellors, MAHE, Manipal
3. Registrar - Evaluation, MAHE, Manipal
4. Director, Admissions, MAHE, Manipal
5. Deputy Registrar - Academics (Technical), MAHE, Manipal



MANIPAL

ACADEMY of HIGHER EDUCATION
(Institution of Eminence Deemed to be University)

MAHE/DREG/ACM/2505/2024/HS9
27th May 2024

The Dean
Manipal College of Health Professions
Manipal

Dear Sir,

Sub: Decisions taken in the Academic Council Meeting

The following is the decision taken in the 77th Academic Council meeting held on 25th May 2024:

The Academic Council **approved** the following:

- 9.1 Introduction of new open elective 'Fitness and First Response' by the Department of Emergency Medical Technology from the academic year 2024-25
- 9.2 Issuing of degree certificates reflecting the specialization for the M.Sc. in Medical Laboratory Technology programs as below for the batches admitted from the academic year 2021-2022 onwards
 - ✓ M.Sc. in Medical Laboratory Technology (Clinical Biochemistry)
 - ✓ M.Sc. in Medical Laboratory Technology (Hematology & Immunohematology)
 - ✓ M.Sc. in Medical Laboratory Technology (Microbiology & Immunology)
- 9.3 Approval of revised UG OBE curriculum to be applicable from the academic year 2024-25
- 9.4 Approval of revised PG OBE curriculum to be applicable from the academic year 2024-25

Suggestion: Degree certificate may be re-issued with change in nomenclature on request by students after surrendering the original certificate that was issued.

Yours faithfully,

Dr P Giridhar Kini
Registrar

Copy to:

1. Vice-Chancellor, MAHE, Manipal
2. Pro Vice-Chancellors, MAHE, Manipal
3. Registrar - Evaluation, MAHE, Manipal
4. Deputy Registrar - Academics (Health Sciences), MAHE, Manipal