



CIRCULAR

Ref. No.: GU/Acad –PG/BoS -NEP/2025/379 dated 08.09.2025

In supersession to the above referred Circular, the syllabus for the Courses offered under specialization **Mechanical and Smart Manufacturing of Bachelor of Engineering in Mechanical Engineering** Programme for Semester V to VII, as approved by the Academic Council in its meeting held on 20th February 2026, is attached.

The syllabus for Semester III & IV approved earlier by the Standing Committee of the Academic Council in its meeting held on 24th & 25th July 2025 is also attached.

The Dean, Faculty of Engineering and Principals of affiliated Engineering Colleges are requested to take note of the above and bring the contents of the Circular to the notice of all concerned.

(Ashwin V. Lawande)
Deputy Registrar – Academic

To,

1. The Dean, Faculty of Engineering, Goa University.
2. The Principals of Affiliated Engineering Colleges.

Copy to:

1. Chairperson, BoS in Mechanical Engineering, Goa University.
2. Controller of Examinations, Goa University.
3. Assistant Registrar Examinations (Technical and Allied), Goa University
4. Directorate of Internal Quality Assurance, Goa University for uploading the Syllabus on the University website.

Mechanical Engineering
Specialization: Mechanical and Smart Manufacturing

Sr. No.	Semester	Course Code	Title of the Course	L	T	P	TCr
1	III	MEC-281	Additive Manufacturing	3	1	0	4
2	IV	MEC-282	Industry 4.0 and Industrial Internet of Things	3	0	0	3
		MEC-283	Industry 4.0 and Industrial Internet of Things Lab	0	0	1	1
3	V	MEC-381	PLC and SCADA	3	0	0	3
		MEC-382	PLC and SCADA Lab	0	0	1	1
4	VI	MEC-383	Introduction to Digital Twin Technology	3	0	0	3
		MEC-384	Introduction to Digital Twin Technology Lab	0	0	1	1
5	VII	MEC-481	Artificial Intelligence and Data Science	3	0	0	3
		MEC-482	Artificial Intelligence and Data Science Lab	0	0	1	1
Total				15	1	4	20

