

## National Institute of Technology GOA - Mechanical Engineering Curriculum

No.	1st Semester	C	2nd Semester	C	3rd Semester	C	4th Semester	C	5th Semester	C	6th Semester	C	7th Semester	C	8th Semester	C
1	Mathematics-I	4	Mathematics-II	4	Maths - III	3	Maths - IV (Numerical Methods & Statistics)	3	Manufacturing Technology - II	3	Elective-I	3	Elective-II	3	Elective-IV	3
2	Physics	3	Material Science	3	Mechanics of Solids	3	Applied Thermodynamics	3	CAD/CAM	3	Summer Project/Training	1	Elective-III	3	Elective-V	3
3	Engineering Mechanics	3	Chemistry	3	Materials and Metallurgical Engineering	3	Power Plant Engineering	3	Turbo Machinery	3	Heat Transfer	3	Major Project - I	4	Elective-VI	3
4	Computer Programming and Problem solving (theory and Lab)	4	Elements of Mechanical Engineering	2	Fluid Mechanics	3	Manufacturing Technology - I	3	Environmental Studies	1	Automobile Engineering	3	Production and Operations Management	3	Major Project - II	6
5	Professional Communication	3	Basic electrical science	3	Electrical and Electronics Technology	3	Mechanics of Machinery	3	Economics	3	Machine Design -II	3	Seminar	2	IE and OR	3
6	Engineering Drawing	3	Physical Education	1	Basic Thermodynamics	3	Measurements and Metrology	3	Machine Design -I	3	Management	3	Automatic Control	3		
7					Machine Drawing	3	Value Education	1			Professional Communication-II and Language Lab	3				
<b>Lab</b>	<b>Lab</b>		<b>Lab</b>		<b>Lab</b>		<b>Lab</b>		<b>Lab</b>		<b>Lab</b>		<b>Lab</b>		<b>Lab</b>	
1	Physics Laboratory	2	Workshop Practices	2	Electrical and Electronics Technology Lab	2	Mechanics of Solids Lab	2	Mechanical Lab-1	2	Mechanical workshop-II	1				
2			Chemistry-Laboratory	2			Fluid Mechanics Lab	2	Measurements and Metrology Lab	2	Mechanical Lab-II	2				
3			Basic electrical science Lab	2					Mechanical workshop-I	1	CAD/CAM Lab	2				
		<b>22</b>		<b>22</b>		<b>23</b>		<b>23</b>		<b>21</b>		<b>24</b>		<b>18</b>		<b>18</b>
																<b>171</b>

C Credits

Common Course across all Branches of NIT Goa

Total Credit Requirement for the Award of Degree is to be 171