

Annexure 12:
List of activities undertaken for learning beyond syllabus

SI No.	Activity	Course Name	Year	Number of Students	
1	NPTEL Course Certification	Product Design and Development	2024	03	
2		Power plant engineering	2024	02	
3		Robotics	2024	01	
4		Fundamentals of Automotive Systems	2024	01	
5		Inspection and Quality Control in Manufacturing	2024	01	
6		Refrigeration and Air Conditioning	2024	01	
7		Foundation of computational fluid dynamics	2023	04	
8		Data science for Engineers	2023	01	
9		Petroleum Technology	2023	01	
11		Mechatronics	2023	01	
12		Robotics	2023	01	
14		Machining Science	2023	01	
15		Advanced Machining Process	2023	01	
17		Fundamental of welding science & Technology	2023	01	
18		Fundamentals of Automotive Systems	2023	02	
19		Power Plant Engineering	2022	05	
20		Foundation of Computational Fluid Dynamics	2022	02	
21		Robotics	2022	02	
22		Aircraft Structures - I	2022	01	
24		Professional Skills Certification	Introduction to digital marketing	2024	01
25			UI/UX for beginners	2024	01
26			Data science and Analytics	2024	01
27	Self-paced training course on MATLAB ornamp		2024	01	
28	AWS Cloud Computing certification organized by Techniche, IIT Guwahati		2024	01	
29	Expert Talk	Talk on Gate 2025 awareness by Dr. Ashish Anand, Professor, CSE, IITG	2024	45	
30		Industry Expert talk on Engineering Ethics and safety in Industrial product development by Mr. Uddipta Das, Design Engineer, Cummins India Private Ltd.	2024	57	
31		A talk on recent advancement in Robotics by Dr. Shyamanta M Hazarika, Professor, ME, IITG	2024	B. Tech 8 th Semester	
32		A talk on importance of composites by Dr. Debabrata Chakraborty, Professor, ME, IITG	2024	B. Tech 6 th Semester	
33		Empowering EV commutes: BAAYU-India's first electric bike taxi service by Mr Sumit Das, Founder and Director, Bikozee Ecotech Private Limited & Avinash sharma, Head of Electric mobility, BEPL	2024	56	
34		Seminar on "Carbon Capture utilization, storage and	2024	44	

		applications” by G.L Das, HoD, Directorate General of Hydrocarbon, MoPNG		
35		A talk on GATE 2024 by Dr. A.S Aschal Kumar, Professor, Dept. of Chemistry, IITG	2023	45
36		Bureau of Indian Standards (BIS) talk on “Standardization and standard products” by Mr. Jishnu Das, Scientist B, BIS, Guwahati	2023	B.Tech 6 th Semester
37		Talk on Emerging Entrepreneurial Landscape: opportunities & challenges by Dr. Sriparna B Baruah, Former head, Indian Institute of Entrepreneurship	2023	B.Tech 6 th & 8 th Semester
38		Talk on Environment & Climate Change by Padmashree Jadav Payeng, Environmental activist	2023	B.Tech 6 th & 8 th Semester
39		Job creation in agribusiness, innovative business models and multi-disciplinary Engineering by Sharad M Marathe, President, Universal Technical System, USA	2023	B.Tech 6 th & 8 th Semester
40	Workshop	SAEINDIA Automobile AEC Club & Eicher Motors training workshop on heavy vehicle mechanics and maintenance	2024	72
41		Workshop on Standardization by team from BIS, Guwahtai	2023	60
42		Godrej Appliances Vocational Training Center headed by Debashish Goswami	2023	B. Tech ME 6 th Sem
43		Workshop on Quantum Computing using Q-sim by CDAC, MeitY	2022	10
44	Quiz Session	Automania 5.0-An online quiz on Automotive Technology	2024	26
45	Group Discussion	GD by Team from Sahi disha ki pathshala	2023	B.Tech ME 6 th Sem
46	Industrial Visit	Industrial visit to Assam Roofing Limited, Birkuchi, Narengi	2024	30
47		Industrial Visit to Numaligarh Refinery Limited	2024	52
48		Industrial Visit to Assam Bio Refinery Private Limited	2024	52
49		Industrial Visit to Karbi Langpi Hydro Electric Project	2023	B.Tech ME 6 th Sem
50		SAEINDIA Automobile AEC Club organized Industrial visit to Ashok Leyland Parts Warehouse, Changsari	2022	61
51	Competition	Winner Team of National Robotics Competition- Esclade 13.0, organized by Techniche, IIT Guwahati	2024	04
52		Constellate 4.0-RC kit assembly and race competition at Udbhabanam	2023	24
53		Winner of Fastest line follower challenge in	2023	04

		Technoxian 2023, Noida		
54		Winner of Skysprint, organized by Techniche, IITG	2023	04
55		Winner of Ideation competeion organized by Donbosco University	2023	02