

**CENTRE OF EXCELLENCE IN ENERGY SCIENCE & TECHNOLOGY, SHOOLINI UNIVERSITY****M.Tech Energy Technology**

Program Code	Program Name	Course code	Course name	Year of offering the course	Semester
SUMTETEC01	M Tech Energy Technology	EN-501	Research Methodology	2020-2022	First Semester
SUMTETEC01	M Tech Energy Technology	EN-501	Research Methodology (Tut)	2020-2022	First Semester
SUMTETEC01	M Tech Energy Technology	EN-502	Foundation for Energy Systems Technology	2020-2022	First Semester
SUMTETEC01	M Tech Energy Technology	EN-503	Solar Photovoltaic Technology	2020-2022	First Semester
SUMTETEC01	M Tech Energy Technology	EN-504	Bio- Energy and Biofuels	2020-2022	First Semester
SUMTETEC01	M Tech Energy Technology		Elective-I	2020-2022	First Semester
SUMTETEC01	M Tech Energy Technology	EN-511	Solar Passive Building Technology	2020-2022	First Semester
SUMTETEC01	M Tech Energy Technology	EN-512	Energy Generation, Transmission and Distribution Systems	2020-2022	First Semester
SUMTETEC01	M Tech Energy Technology	EN-513	Waste Heat Recovery Systems	2020-2022	First Semester
SUMTETEC01	M Tech Energy Technology	EN-514	Fuel and Combustion	2020-2022	First Semester
SUMTETEC01	M Tech Energy Technology		Elective II	2020-2022	First Semester
SUMTETEC01	M Tech Energy Technology	EN-515	Energy Generation from Waste	2020-2022	First Semester
SUMTETEC01	M Tech Energy Technology	EN-516	Environment Policy and Environment Impact Assessment	2020-2022	First Semester
SUMTETEC01	M Tech Energy Technology	EN-517	Energy Economics	2020-2022	First Semester
SUMTETEC01	M Tech Energy Technology	EN-518	Computational Fluid Dynamics	2020-2022	First Semester
SUMTETEC01	M Tech Energy Technology	EN-505	Solar Thermal Technologies	2020-2022	Second Semester
SUMTETEC01	M Tech Energy Technology	EN-506	Wind and Hydro Energy	2020-2022	Second Semester
SUMTETEC01	M Tech Energy Technology	EN-507	Energy Efficiency, Audit and Management	2020-2022	Second Semester
SUMTETEC01	M Tech Energy Technology		Elective-III	2020-2022	Second Semester
SUMTETEC01	M Tech Energy Technology	EN-519	Green Building Architecture and Planning	2020-2022	Second Semester
SUMTETEC01	M Tech Energy Technology	EN-520	Fuel Cells and Hydrogen Energy	2020-2022	Second Semester
SUMTETEC01	M Tech Energy Technology	EN-521	Wind Energy Farm Development and Operation	2020-2022	Second Semester
SUMTETEC01	M Tech Energy Technology	EN-522	Energy Storage Systems	2020-2022	Second Semester
SUMTETEC01	M Tech Energy Technology		Elective IV	2020-2022	Second Semester
SUMTETEC01	M Tech Energy Technology	EN-523	Wind Power Generators	2020-2022	Second Semester
SUMTETEC01	M Tech Energy Technology	EN-524	Nuclear Power Technology	2020-2022	Second Semester
SUMTETEC01	M Tech Energy Technology	EN-525	Materials for Energy Applications	2020-2022	Second Semester
SUMTETEC01	M Tech Energy Technology	EN-526	Energy and climate change concerns	2020-2022	Second Semester
SUMTETEC01	M Tech Energy Technology	EN-552	Seminar	2020-2022	Second Semester
SUMTETEC01	M Tech Energy Technology	EN-551	Energy Laboratory-1	2020-2022	Second Semester
SUMTETEC01	M Tech Energy Technology	SEA-SP003	SPRINT 003	2020-2022	Third Semester
SUMTETEC01	M Tech Energy Technology	EN-553	Energy Laboratory-II	2020-2022	Third Semester
SUMTETEC01	M Tech Energy Technology	EN-554	Dissertation phase-I (Thesis Synopsis and Presentation)	2020-2022	Third Semester
SUMTETEC01	M Tech Energy Technology	EN-555	Dissertation Phase II (Presantation and Viva - Voce)	2020-2022	Fourth Semester
SUMTETEC01	M Tech Energy Technology	SEA-SP004	SPRINT 004	2020-2022	Fourth Semester

M. Tech Climate Science and Sustainable Development

SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-501	Fundamentals of weather and Climate Science	2022-2024	First Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-502	Foundation for Energy Systems Technology	2022-2024	First Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-503	Environmental Sustainability and Sustainable development	2022-2024	First Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-504	Research Methodology	2022-2024	First Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-504	Research Methodology (Tut)	2022-2024	First Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development		Elective-I	2022-2024	First Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-511	Sustainable Clean Energy Technology	2022-2024	First Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-512	Environmental Impact Assessment	2022-2024	First Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-513	Climate Change Vulnerability and Policies	2022-2024	First Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-514	Sustainability and Sustainable Development Goals	2022-2024	First Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development		Elective-II	2022-2024	First Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-515	Solid and Hazardous Waste Management	2022-2024	First Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-516	Industrial Waste Management and Disposal	2022-2024	First Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-517	Waste to Energy Conversion	2022-2024	First Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-518	Carbon Capture Technologies	2022-2024	First Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-505	Energy Environment and Climate Change	2022-2024	Second Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-506	Green Technologies	2022-2024	Second Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-507	Disaster Management and Risk Reduction	2022-2024	Second Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development		Elective-III	2022-2024	Second Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-519	Applications of AI in Climate Science and Sustainable developments	2022-2024	Second Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-520	Modeling & Simulation Tools	2022-2024	Second Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-521	Introduction to AI & Advanced Computing	2022-2024	Second Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-522	Advanced Data Analysis for Climate Research & Weather Forecasting	2022-2024	Second Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development		Elective-IV	2022-2024	Second Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-523	Green buildings	2022-2024	Second Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-524	Energy and climate change concerns	2022-2024	Second Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-525	Life Cycle Assessment	2022-2024	Second Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-526	Environment and climate based Policies	2022-2024	Second Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-552	Seminar	2022-2024	Second Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-551	Weather LAB-I	2022-2024	Second Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	SEA-SP003	Sprint 003	2022-2024	Third Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-554	Dissertation phase-I (Thesis Synopsis and Presentation)	2022-2024	Third Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-553	Weather LAB-II	2022-2024	Third Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	ENS-555	Dissertation phase-II (Presantation and Viva - Voce)	2022-2024	Fourth Semester
SUMTECSSD01	M. Tech Climate Science and Sustainable Development	SEA-SP004	Sprint 004	2022-2024	Fourth Semester

PhD Energy Science & Technology (Batch July 2020-2023)

SUPHDEN01	PhD Energy Science & Technology	CSU530	Research Methodology	2020-2023	First Semester
SUPHDEN01	PhD Energy Science & Technology	CSU530(Tut)	Research Methodology	2020-2023	First Semester
SUPHDEN01	PhD Energy Science & Technology	CSU534	Statistics and Applications	2020-2023	First Semester
SUPHDEN01	PhD Energy Science & Technology	CSU534(P)	Statistics and Applications	2020-2023	First Semester
SUPHDEN01	PhD Energy Science & Technology	EN505	Solar Thermal Technologies (Special Paper)	2020-2023	First Semester
SUPHDEN01	PhD Energy Science & Technology	EN608	Seminar	2020-2023	First Semester
SUPHDEN01	PhD Energy Science & Technology	CPERPE610	Research and Publication Ethics	2020-2023	First Semester
SUPHDEN01	PhD Energy Science & Technology	EN610	Review Paper	2020-2023	First Semester
SUPHDEN01	PhD Energy Science & Technology	Code	Synopsis	2020-2023	Second Semester
SUPHDEN01	PhD Energy Science & Technology	Code	Research work	2020-2023	Third Semester
SUPHDEN01	PhD Energy Science & Technology	Code	Research work	2020-2023	Fourth Semester
SUPHDEN01	PhD Energy Science & Technology	Code	Research work	2020-2023	Fifth Semester
SUPHDEN01	PhD Energy Science & Technology	Code	Research work	2020-2023	Sixth Semester