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NAAC
accreditation
with "A" Grade
& CGPA of 3.39
out of 4.00

[\(index.html\)](#)

B.TECH COURSE

4 YEAR B.TECH PROGRAM IN PETROLEUM ENGINEERING

The 4 Year B.Tech Programme in Petroleum Engineering is based on integrated approach of relevant basic sciences and engineering and Oil & Gas industry technology operations and emphasis on the application of these knowledge base to exploration, drilling, production, reservoir engineering, City Gas Distribution, Pipeline Operations, Refining etc. School of Petroleum Technology has recently devised a new Course Curriculum as per the Industry Demand & students deep Interest for particular stream. The Course is bifurcated in to 2 Major streams.

Students who will opt for upstream they have Major Upstream & Minor Downstream subjects.

Students who will opt for downstream they have Major Downstream & Minor Upstream Subjects.

The Course is designed as such that all the students get exposure of Upstream, Midstream & Downstream field of Oil & Gas Industry.

All the students have common subjects in Semester I & Semester II.

In Semester III & IV, all the studnets will learn basic fundamental knowledge of both the streams.

They have common course curriculum.

Students have to opt for their choice of stream after 2nd Year. Students will learn specialized subjects as per their selected stream.

B.Tech Petrochemical Engineering Course (2021 onwards)

PEOs for SPT

(<downloads/PEO.pdf>)

PSOs for SPT

(<downloads/PSO.pdf>)

POs for SPT

(<downloads/POs.pdf>)

B.Tech Curriculum

Flow Chart 2017

(<downloads/B. Tech Course Mapping.pdf>)

Semester I	Semester II	Semester III	Semester IV
<ul style="list-style-type: none"> • Mathematics – I (downloads/Course2021/Mathematics - I.pdf) • Engineering Graphics (downloads/Course2021/Engineering Graphics.pdf) • Engineering Chemistry (downloads/Course2021/Engineering Chemistry.pdf) • Environmental Studies (downloads/Course2021/EnvironmentalStudies1.pdf) • Introduction to Physical Chemistry (downloads/Course2021/Introduction to Physical Chemistry.pdf) • Communication Skills - I (downloads/Course2021/Communication Skills - I.pdf) • Engineering Chemistry Practical (downloads/Course2021/Engineering Chemistry Practical.pdf) • Gandhian Thoughts – Elective (downloads/Course2021/Gandhian thoughts.pdf) • Swami Vivekananda – Elective (downloads/Course2021/Swami Vivekananda.pdf) • NCC/NSS/Sports (downloads/Course2021/NCC-NSS-Sports.pdf) 	<ul style="list-style-type: none"> • Mathematics – II (downloads/Course2021/Mathematics - II.pdf) • Elements of Engineering (Civil & Mechanical) (downloads/Course2021/Elements of Engineering (Civil & Mechanical).pdf) • Engineering Physics (downloads/Course2021/Engineering Physics.pdf) • Introduction to Petroleum and Petrochemical Engineering (downloads/Course2021/Introduction to Petroleum and Petrochemical Engineering.pdf) • Organic Chemistry (downloads/Course2021/Organic Chemistry.pdf) • Elements of Electrical Engineering (downloads/Course2021/Elements of Electrical Engineering.pdf) • Strength of Materials (downloads/Course2021/Strength of Materials.pdf) • Engineering Physics Lab (downloads/Course2021/Engineering Physics Practical.pdf) • Organic Chemistry Lab (downloads/Course2021/Organic Chemistry Practical.pdf) • NCC/NSS/Sports (downloads/Course2021/NCC NSS Sports.pdf) 	<ul style="list-style-type: none"> • Numerical Methods • Polymer Science • Fluid Mechanics • Chemical Process Calculations • Chemical Engineering Thermodynamics • Communication Skills – II • Fluid Mechanics Practical • Programming Lab • Rural Internship 	<ul style="list-style-type: none"> • Mechanical Operations • Heat Transfer • Hydrogen and C1 Technologies (Petrochemicals – I) • Mass Transfer – I (Absorption, Distillation and Adsorption) • Petroleum Refinery Engineering • Chemical Engineering Practical • Petroleum Product Testing Practical • MATLAB Programming Practical • Elective - I <ul style="list-style-type: none"> ◦ Pharmaceutical Technologies ◦ Nanotechnology