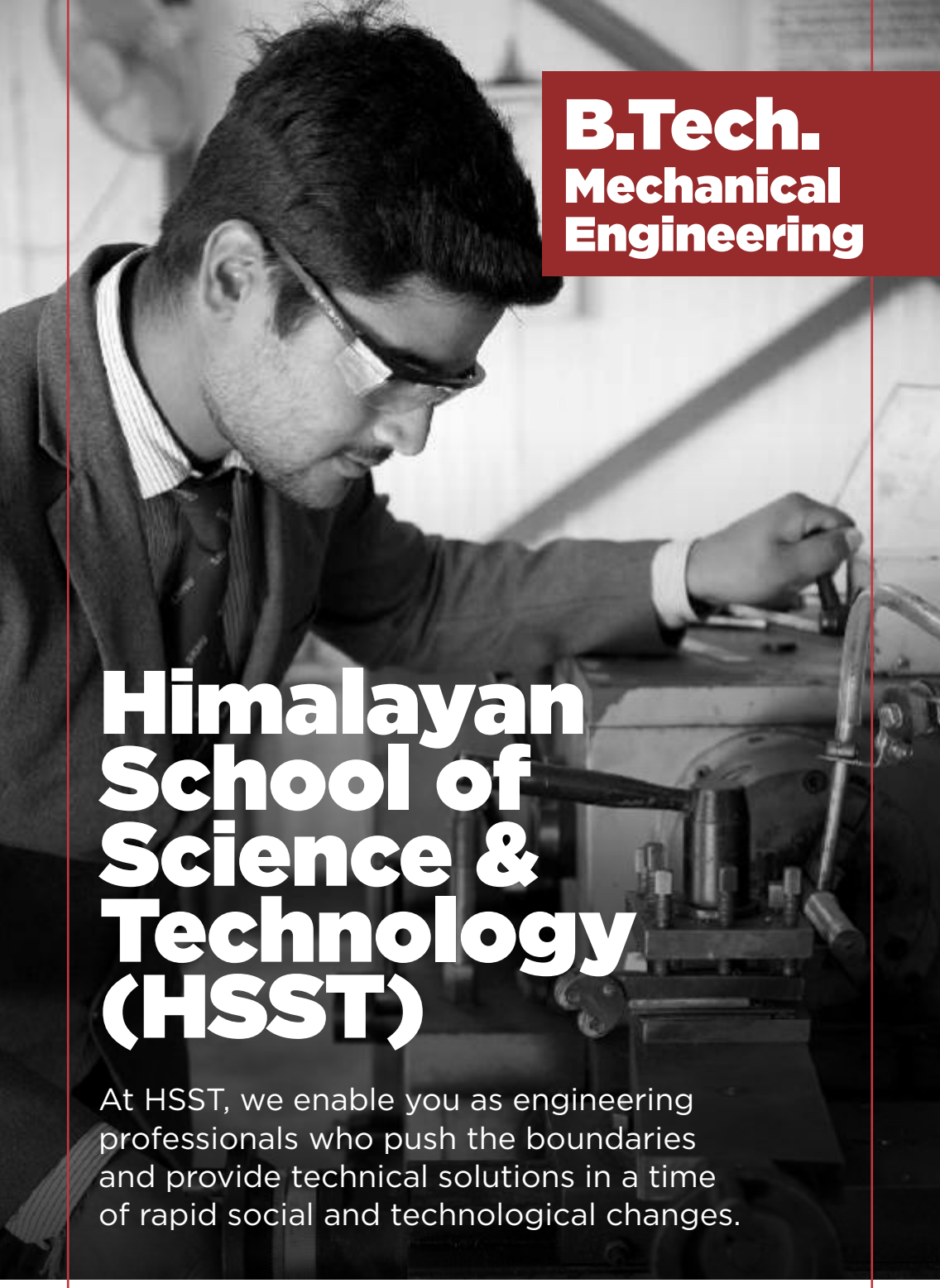

B.Tech. Mechanical Engineering

Himalayan School of Science & Technology (HSST)

At HSST, we enable you as engineering professionals who push the boundaries and provide technical solutions in a time of rapid social and technological changes.

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Teaching and Training

- Emphasis on practical learning, innovation, skill development and exposure to the latest technological advancements.
- Lectures, guest lectures by industry experts, laboratory sessions, industry visits, workshops, seminars, inter-disciplinary programs, projects, group activities, one-on-one discussions, leveraging multimedia and digital platforms.
- Hands-on experience on latest techniques of CNC based Manufacturing, Automation, Automobile, Thermal Engineering and CAD Designing, in addition to conferences, seminars, research based projects, assignments/field projects, and practical work.

FACULTY

The faculty, a blend of industry and academia, provides experiential learning and industry insights.

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PLACEMENTS

Excellent links with industry and leading institutions.

Dedicated Placement Cell that provides 'Summer Internship' and 100% placement support

Highest package INR 10 Lakhs p.a.

Hero Cycles, Wipro Consumer Goods, Bajaj Auto, Uniparts, JBM, Apollo Tyres, Hitachi Systems, Rubico IT, Evon Technologies, BYJU'S, Concentrix, Extramarks, Ozone Overseas Ltd., JBM, Suavao and many more.

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apollo TYRES | HITACHI Inspire the Next | RUBICO | evon TECHNOLOGIES
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HIGHLIGHTS

1. Association with IIT Roorkee for inter-disciplinary R&D in biomedical science, engineering and technology
2. Collaborations with IBM for Industry aligned programs in niche areas of IT
3. Alliance with UiPath in Robotic Process Automation through ICT Academy
4. Member of Computer Society of India (CSI)
5. Industry Academia Interface
6. Industrial Training & Certification Programs
7. Innovative Learning & Entrepreneurship
8. Internationally recognized pedagogy
9. Mentorship & Personality Development Programs
10. Excellent Placement Record

MAJOR LABORATORIES

1. Computer Aided Design & Manufacturing along with CNC Machines
2. I.C. Engines & Applied Thermodynamics
3. Computer Aided designing & Drafting with Auto CAD 2018 & Creo 3.0
4. Mechanical Measurements & Metrology
5. Fluid Mechanics & Hydraulic Machine
6. Heat and Mass Transfer
7. Refrigeration and Air Conditioning

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UNDERGRADUATE DEGREE

Mechanical Engineering (ME)

With this B.Tech. ME program, you will be able to:

1. Gain knowledge and application of mechanical engineering fundamentals
2. Understand and apply latest techniques of CNC based Manufacturing, Automation, Automobile, Thermal Engineering and CAD Designing
3. Design and manufacture systems or parts for products such as vehicles, industrial machines, engines, etc.
4. Design and develop solutions to the pressing needs of both urban and rural communities
5. Design documentation, comprehend and write effective reports, make presentation and communicate effectively
6. Contribute as an individual or team member in diverse technical teams
7. Understand and commit to professional ethics, responsibilities and norms of mechanical engineering

EMPLOYMENT OPPORTUNITIES

Major industries for mechanical engineers are automobiles, space research, aeronautical, energy & utilities, air conditioning, bio-mechanics industry, etc.

Students have job opportunities in Research and Development (R&D), Design, Production, Analysis and Testing, Installation, and Maintenance.

Job Roles

Automation engineer

Mechanical engineer

Design engineer

Instrumentation engineer

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ELIGIBILITY & DURATION

Regular Entry:

Candidate must have passed 10+2 (Class XII) or its equivalent examination from a recognized Board in the subjects of Physics, Mathematics, Chemistry / Computer Science & English and must have obtained minimum 50% marks in aggregate in Physics, Mathematics, Chemistry / Computer Science taken together, with an overall aggregate of 55% marks in all subjects.

Duration: Four years (8 semesters)

Lateral Entry:

A candidate having diploma or B.Sc. degree with minimum 55% marks shall be eligible for direct admission to second year of B.Tech. program under lateral admissions. The criterion for direct admission is as given below:

Three years Diploma in Engineering / Technology with minimum 55% aggregate marks after 10th (Class X).

OR

Two years Diploma in Engineering / Technology with minimum 55% aggregate marks after 10+2 (Class XII).

OR

B.Sc. with Mathematics, Physics, Chemistry or Computer Science as compulsory courses with minimum 55% aggregate marks.

Duration: Three years (6 semesters)

PROCESS

Undergraduate Degree

Mechanical Engineering (ME)

Admission in B.Tech ME shall be based on the merit list prepared on the basis of marks secured in 10+2 (Class XII) examination.

Due weightage shall be given to the candidates with valid JEE/BITSAT score.

FEE STRUCTURE

Mechanical Engineering

Fee Heads	Category (PRU/AI)	Programmes
Tution Fee (Per Semester)	AI	85,205
	PRU	67,625
Admission fee (one time non-refundable- at the time of admission)	Both	7,500
University Enrollment Fee (One time)	Both	1,000
Security Deposit (One time-Refundable on completion of program)	Both	7,500
Examination fee* (per University Exam)*	Both	5,000
University Supplementary Exam Fee* (Per course)*	Both	1,000
Convocation Fee (One time final year)	Both	2,000
Alumni Fee (One time final year)	Both	1,000

AIC - All India Category | **PRU** – Permanent Resident of Uttarakhand
*Fee is subject to revision

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SCHOLARSHIPS

1. Merit Scholarship: Up to 100% of Tuition Fees
2. Means Scholarship: Up to 50% of Tuition Fees
3. Special Scholarship: Up to 100% of Tuition Fees for Ward of Armed Forces / Para Military Forces / Police Force Personnel (Serving and Retd, Non-Commissioned Officer) / Differently abled Candidate
4. Special Scholarship: Up to 100% of Tuition Fees for Transgender Candidate
5. Free-ship Scholarship: Free education to one Candidate in each academic program of the University who is an orphan
6. 26% fee relaxation for the Students from Uttarakhand
7. Education loan facility

*Terms & Conditions Apply

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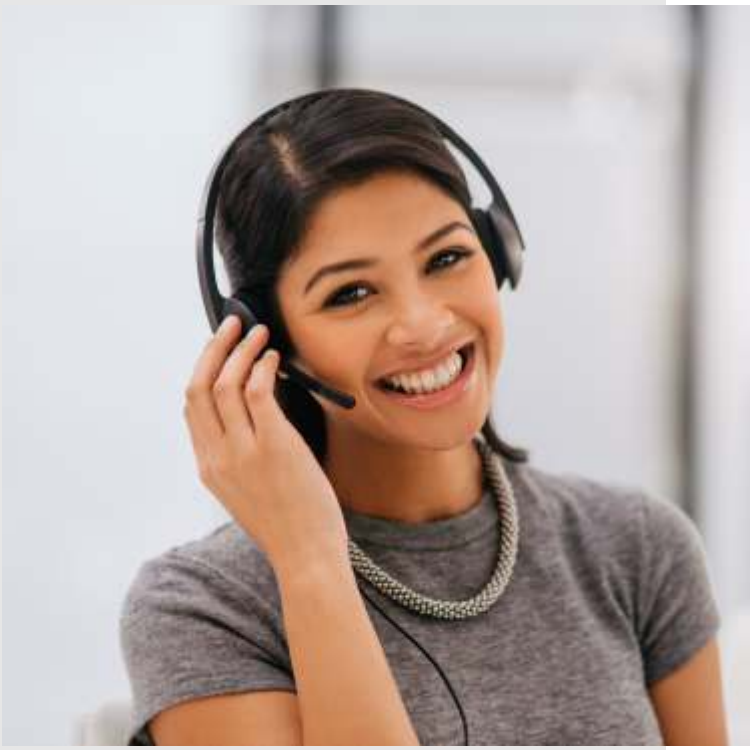
DEPARTMENT CONTACT



0135-2471135,
+91 70553 09532,
70553 09533,
97593 03247

For Local Support, Contact:
Uttar Pradesh - 72520 00812;
Bihar - 72520 00815;
Jharkhand - 72520 00819

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