

Bajaj Engineering Skills Training (BEST) Certification Program



Joint Certification By

SIT, Pune & Bajaj Auto Ltd.

Course Duration

Graduate Trainee Engineers (GTE): 6 months

Diploma Trainee Engineers (DTE): 4 months

Curriculum

Mechatronics

Electrical Engineering

Engineering Drawing & Graphics

Hydraulics & Pneumatics

Total Production Maintenance

Electrical & Electronics Measurements Using Sensors

Motion Control & Sensor Technology

PLC, CNC & HMI

Servo Motors & Drives

Industrial Sensors

Process Control Systems

Digital Communications

Industrial Instrumentation

Robotics & Automation

Automation

Robotics

AMR

Industry 4.0 & Smart Manufacturing

Industry 4.0 & IIOT

Artificial Intelligence

Machine Learning

Computer Vision, AR & VR

Manufacturing Execution System

Computer Integrated Manufacturing

WHY BEST?

ACADEMIA

Lack of industry-relevant labs and more focus on theory

INDUSTRY

Lack of competent workforce to fulfil the contemporary and futuristic needs of the industry

YOUTH

Lack of industry-ready skills and employment opportunities

ABOUT BEST

Bajaj Engineering Skills Training (BEST) is the flagship CSR initiative of Bajaj Auto Ltd. It aims to set up state-of-the-art BEST centres with laboratories having world-class equipment that will enable the hands-on-skilling of thousands of young people, making them competent and employable.

The BEST Centre will train engineers, and diploma holders and help address the skill gap in the manufacturing industry. The courses will equip the students with practical industry-relevant skills, knowledge, and the mindset to be job-ready. The curriculum is designed by industry experts, senior leaders, and engineers of Bajaj Auto Ltd. in line with the current and futuristic skill requirements of the industry.

BEST aims to support youth from socially and economically weaker sections of society through scholarships and help them gain sustainable livelihoods.

SYMBIOSIS INSTITUTE OF TECHNOLOGY

Symbiosis Institute of Technology, a constituent of Symbiosis International University was established in the year, 2008 and currently offers B. Tech programmes in Civil Engineering, Computer Science and Engineering, Electronics & Telecommunication Engineering, Mechanical Engineering, Artificial Intelligence & Machine Learning and Robotics & Automation and M.Tech programmes in Artificial Intelligence & Machine Learning, Robotics & Automation, Embedded Systems, and Engineering Design. The Institute provides an environment conducive for harnessing the potential of both faculty and students through systematic and effective planning and control of the teaching learning process, both within and outside the classroom.



LAB MODULES

MECHATRONICS

- Electrical Engineering Lab
- Pneumatics & Hydraulics Lab
- Electrical & Electronics Measurement Using Sensor Lab

MOTION CONTROL & SENSOR TECHNOLOGY

- Process and Motion Control Lab
- Industrial Instrumentation Lab
- CNC Lab
- PLC, HMI Lab
- Servo Motor & Drive Lab
- Digital Communication Lab

ROBOTICS & AUTOMATION

- Robotics & Automation Lab
- Autonomous Mobile Robot Lab
- Robots Lab

INDUSTRY 4.0 & SMART MANUFACTURING

- Industrial Internet of Things Lab
- Manufacturing Execution System Lab
- Smart Vision And Virtual Reality Lab
- Computer Integrated Manufacturing Lab

SOFTWARE AND TOOLS

Automation Studio

Siemens SINUTRAIN Training software

INTELITEK Design Software

OROS Analyzer

CNC Universal Stimulation Software

CIROS Studio Festo Learning Experience (LX)

Virtual Reality Headset

Dassault 3D Experience

Delmia Apriso

Delmia Ortems

INDUSTRY CONNECT

Tech
Mahindra



SANSEERA
ideas@work

ADVIK
Passionately Innovative



FESTO

skillsonics



S^{AE}EINDIA
Society of Automotive Engineers INDIA



AUTONIC™
Greenenergy@work

PILZ
THE SPIRIT OF SAFETY

HIGHLIGHTS

01
70% practical,
30% theory

02
Curriculum designed
by industry experts

03
ASDC
Certification

HIGHLIGHTS

04
Hands-on experience
in world-class
Industrial equipment

05
Joint certification
by Bajaj Auto Ltd.
and SIT, Pune

06
Placement
opportunities
across industries

LAB FACILITIES & INFRASTRUCTURE

Modular Manufacturing System



Spot Welding Robot



Manufacturing Execution System



Electrical & Electronics Training Kit



CNC Milling Training Kit



Process Control System



Computer Integrated Manufacturing System



Industrial Instrumentation Sensor System



PLACEMENTS

100% Students of First Batch of **BEST** are Placed



Eligible students from socially and economically weaker sections will be awarded scholarships

ELIGIBILITY

ELIGIBILITY FOR DIPLOMA TRAINEE ENGINEER (DTE) COURSE

- Diploma (Engineering) Electronics / Electrical / Mechanical / Automobile / Instrumentation / Mechatronics & Equivalent
- Aggregate of 50% marks or equivalent grade/CGPA in all years/semesters of their qualifying examination
- Diploma students who are in their final semester and doing an internship are also eligible to apply

ELIGIBILITY OF GRADUATE TRAINEE ENGINEER (GTE) COURSE

- B.E./B.Tech Completed or Final Semester Electronics / Electrical / Mechanical / Automobile / Instrumentation / Mechatronics & Equivalent are eligible for the Graduate Trainee Engineer (GTE) course
- Aggregate of 50% marks or equivalent grade/CGPA in all years/semesters of their qualifying examination
- Undergraduate students who are in their final semester and doing an internship are also eligible to apply

