



श्री विश्वकर्मा कौशल विश्वविद्यालय
SHRI VISHWAKARMA
SKILL UNIVERSITY

B.VOC IN ROBOTICS & AUTOMATION



DO YOU WANT TO SKILL YOURSELF
FOR A REWARDING CAREER

GET READY FOR INDUSTRY 4.0 REVOLUTION

Bachelor of Vocation in Robotics and Automation

About the Programme

The current programme Bachelor of Vocation in Robotics & Automation is NSQF aligned set in Dual Education Model, which shall be run by SVSU in association with JBM Group as an interdisciplinary program including mechanical engineering, electrical engineering, computer science and other subjects. The programme offers knowledge not only in various fields of technical skills such as mechanical, electrical, electronics, computer science, instrumentation and control systems but also provides knowledge of applications of basics of Applied Science, Technology, Applied Engineering and Applied Mathematics (STEM) through its special feature of more than 60 percent of On-the-Job-Training (OJT).

Programme Model & Pedagogy

SVSU has built a strong partnership with the Industry to facilitate students' training, employability and entrepreneurship through the On-the-Job Training (OJT) approach. The university has designed, developed and deployed Industry Integrated Dual Education Model (IIDEM) that enables students to "earn-while-learn" and provides an opportunity to enhance their qualification with the flexibility of entry and exit into a programme. SVSU has conceptualised the IIDEM programme, which is designed in such a manner that 60 percent of the credits are earned while working on the OJT and the rest 40 percent come from the theoretical and conceptual training. The entire pedagogy is designed to develop an application-based learning that makes students job-ready by earning industry work experience and learning the technical concepts hands-on.

Programme Highlights

- Application-based Learning
- Earn-while-Learn
- Dual Education Model
- Learn & Apply Skills
- Entrepreneurial Skills
- World-class OJT Facility
- Placement Support
- Highly Subsidized Fee
- Leadership and Supervising
- Theory, Practice & Rigorous Curriculum
- Student's Mobility- Horizontal and Vertical
- Work Integrated Learning Options

Eligibility

- 10+2 (PCM)
- OR
- 10+2 and L4 certificate in relevant field
- OR
- 10th plus (2 Years or 3 Years) Diploma
- OR
- 10th plus I.T.I. (2 Years) with one language subject (Hindi or English)

OJT

Semester

OJT Areas

Deployed on welding machines and learn MIG welding, Spot welding, Seam welding and projection welding, Various parts of Robots, Basic functions of Robot, Wiring of Robot, Fixture and Control Panels, Teaching of Robot, Basic Programming of Robot, Pneumatic and Sensors application in Fixtures, Basic Programming of PLC, Process Control and its Automation, Projects of PLC and Robots.

Shri Vishwakarma Skill University

In line with Skill India Mission, the Government of Haryana has established Shri Vishwakarma Skill University under the Act 25 of 2016. The University is aiming at providing structured skill qualification programmes aligned with the existing and emerging job-roles in the Industry. The programmes have been mapped with NSQF levels that facilitate vertical mobility from Certificate to Doctoral level. SVSU aims at providing pathways to the Learners from school level to higher education level through a skill-based qualification framework for their career progression.



Industry Partner

JayBharat Maruti (JBM) Group, a joint venture with Maruti Suzuki India Limited (MSIL) is keeping pace with the steep rise in demand and quality of passenger cars/vehicles. Even in the backdrop of entry of

international auto players in the country, JBM has successfully expanded its manufacturing capacity and capability. The world-class manufacturing capabilities include imported and indigenous press lines, robotic welding lines as well as plating and painting facilities. The JBM Group has pan-India presence with over 40 production units spread across the country.



Note: OJT areas are subject to change depending upon availability of OJT areas

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