



श्री विश्वकर्मा कौशल विश्वविद्यालय
SHRI VISHWAKARMA
SKILL UNIVERSITY



Bachelor of Vocation

in Production-Tool and Die Manufacturing

About the Programme

The design and manufacturing of Tool & Dies drives the economics for mass production of components especially in the automotive industry. Therefore, the latest technologies like process modelling, rapid prototype, EDM and 3-D printing are used for their optimal design/fabrication.

Bachelor of Vocation (B.Voc.) in Production-Tool and Die Manufacturing is aligned to NSQF Level-7 Dual Education Model. It is three-year programme divided in six semesters & its On-The-Job -Training (OJT) shall be at shop floor of JBM Group as industry partner. OJT enables students to learn designing and fabrication of Tools & Dies to be used in various industries like automobile, textile, plastics, packaging etc. The focus of the programme is to prepare the students to work on conventional & CNC machines, wire-cut EDM, laser machine, jig boring and coordinate measurement machines and learn fitting, process planning, estimation and costing of manufacturing and maintenance of tools and dies.

DO YOU WANT TO SKILL YOURSELF
FOR A REWARDING CAREER
GET READY FOR INDUSTRY 4.0 REVOLUTION

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

OJT Areas

Working on conventional m/cs like; lathe, milling, drilling, grinding, welding m/cs, boring, use of, marking and measuring tools and working on CNC machines. Fitting activities,; limit, fit and tolerances, Programming and setting of CNC machines, Wirecut EDM, Laser cutting machine, press machines, CMM m/cs, Process Planning and Bill of Materials. Press tools, Pneumatics and Hydraulics, die maintenance, working on CNC machines and Setting of machining parameters, supervision of operation for manually operated and Automatic Machine tools, Process documentation, 5S and safety, Knowledge and use of Measuring Instruments. Managing Process Planning, Die designing, Knowledge and working on CAD/CAE softwares Knowledge of 3D Modeling Techniques/softwares, product planning for new products, Decision Matrix Techniques, Die maintenance, Quality control, use of statistical softwares

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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