



BHARTIYA SKILL DEVELOPMENT UNIVERSITY



Viewbook

**THINK SKILL
THINK
BSDU**



**Knowledge to make you Smarter
Skills to make you Better
Get them both Together @ BSDU**



www.ruj-bsdu.in



About BSDU Jaipur

A PURE SKILL UNIVERSITY
India's Will   Swiss Skill

Bhartiya Skill Development University (BSDU Jaipur) is a venture of the renowned Rajendra and Ursula Joshi Charitable Trust (RUJCT). It is the first Indian University to offer only skill-based programs and has established itself as a leading education provider with prime focus on holistic skills training based on the Swiss Dual System using machinery and equipment procured from the best manufacturers all across the globe. BSDU is thus able to imbibe excellence in skill training and competitive abilities in students.



VISION

Global Excellence in Skill Development

MISSION

- **To create opportunities and a conducive environment for skill development of Indian youth to make them globally employable**
- **To be the choice destination for skills education and research**

The University is unique, different, and the first of its kind in India in terms of its curriculum, training procedures, and standards. BSDU has procured some of the most advanced equipment available in the world, and is in the process of procuring more. The training on these state of the art equipment are being imparted by able teachers and trainers, many of them being Swiss Professionals. The above process and infrastructure have made BSDU, Jaipur as one of the leading Skill university of the country in its brief life span.



“ The urge to do something different and desire to do it for the Indian youth inspired me to bring Swiss Dual System of Skills Training to India. ”

I along with my late husband and Founder Chairperson of BSDU, Dr. Rajendra Kumar Joshi, were firm believers that the proper policies and implementation of skill training, are the key factors which have the massive impact on the economic development & employment opportunities in any country. The superior and better achievements on these fronts by Switzerland, Germany, Austria, and many other European countries compared to India during the last three decades, is the living example, and proof of the veracity of our belief. In furtherance of our belief and commitment for its implementation in India, we established the Bhartiya Skill Development University (BSDU) in Jaipur, which is based on the Swiss Dual System of imparting Skills Training. BSDU has procured some of the most advanced and refined equipment available in the world for the fulfilment of its Aims, Objectives & Philosophy. The advanced equipment coupled with instructions from highly acclaimed and eminent teachers and trainers, including Swiss Professionals, leads to an enriched, rewarding and fulfilling learning and skilling experience for all the students of BSDU.

I wish a great and successful future to all the aspiring students.

Mrs. Ursula Joshi, Chairperson

Bhartiya Skill Development University Jaipur



“ Bhartiya Skill Development University is the first of its kind to play a Steller role in ushering in new era of skills training in India and is a small step in the direction of making Skilled India. ”

Bhartiya Skill Development University (BSDU) was founded with the objective of imparting skill education to make the youth able and empowered. At BSDU, we adopt student-centric approaches for academic, and allied matters. Experts from Academia, Industry, and Sector Skill Councils join us in framing the curricula which are updated regularly and respond promptly to the dynamics and changes in the appropriate system and technology.

We warmly welcome the aspiring students to BSDU and are confident that with the skill level earned at this University, they can certainly look forward to a bright and successful future.

Dr. Achintya Choudhury, President

Bhartiya Skill Development University Jaipur

The Campus



BSDU Jaipur Strategically situated at Mahindra World City, a multi-product Special Economic Zone based on the concept of an "Integrated Business City", that are home to a prestigious firms as JCB, Mahindra, Infosys, ICICI Bank, RS India, ttk Healthcare, Ball Corporation, to name few. It is located 45 min drive from both Jaipur Intranational Airport and Railways station.



Academic Structure Meets Vocational Skills at BSDU

Bhartiya Skill Development University (BSDU Jaipur) is home to Thirteen Schools which are alive to the plurality of diverse skill courses and are an integral part of the University's vision to thrive for Global Excellence in Skill Development. These Schools set the pace at the University by providing global experience in a local setting with innovative and engaging teaching methods, globally benchmarked skill curricula, and a true mix of Swiss and Indian faculty members. This is key to building a multi-disciplinary research led ecosystem of skill education in India offering Skill Certificate, Diploma, Advanced Diploma, B.Voc, PG Diploma, M.Voc, Industrial Training, and Ph.D. Degree in different skill domains.

Programs Offered

- ◆ B.Voc in IT/Networking Skills
- ◆ M.Voc in Embedded Systems & IoT
- ◆ Ph.D. in Computing Skills

School of COMPUTING

The School of Computing Skills has set up specialized labs for preparing an industry ready skilled workforce. Artificial Intelligence, Machine Learning, and Cloud Computing Labs are the flagship facilities of the school offering advanced solutions for human computer interaction. Robotics Lab, IoT Lab, and 3D Printing Lab are other



Seven MoU's have been signed for Industrial Collaboration and Internships. **Key Skills Area**

- ◆ Networking & Cisco Administration
- ◆ Cloud Computing and IoT
- ◆ ML & AI, Python



Centre of Excellence for Two-Wheeler Training with Hero MotoCorp.

Key Skills Area

- ◆ Automotive Service Repair
- ◆ Automotive Mechatronics
- ◆ Automotive Paint Technology

The School of Automotive Skills came into existence in 2017, with a mission to impart knowledge, technical skills & hands-on training in automobiles, focusing on four-wheelers & three-wheelers, both petrol & diesel, and two-wheelers. The Indian auto industry is one of the largest in the world and the requirement of

Programs Offered

- ◆ B.Voc in Automotive Skills
- ◆ M.Voc in Automotive Skills
- ◆ Ph.D. in Automotive Skills

Programs Offered

- ◆ B.Voc in Manufacturing Skills
- ◆ M.Voc in Manufacturing Skills
- ◆ Ph.D. in Manufacturing Skills

The School of Manufacturing Skills is one of the most sought-after schools of BSDU with a mission to impart quality education along with extensive hands-on training on the equipment/machines in manufacturing laboratories and industries. The training is done in small groups



Skill Training that gives you PRECISION, PRODUCTIVITY & INNOVATION.

Key Skills Area

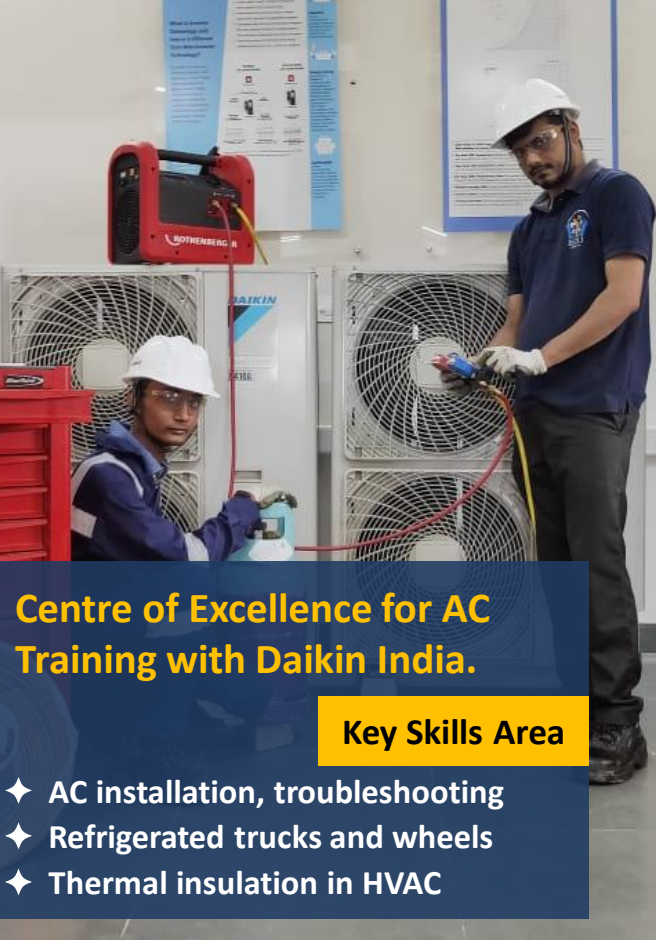
- ◆ Conventional & CNC Turning-Milling
- ◆ Master Cam, Solid works
- ◆ Quality & Production Management

School of
**REFRIGERATION &
 AIR-CONDITIONING**

The School of Refrigeration and Air-conditioning Skills was introduced in 2017, with a mission to impart knowledge and Technical skills of Refrigeration and Air-conditioning systems by imparting hands-on training of installation, service, diagnosis, assembly, and troubleshooting of

Programs Offered

- ◆ refrigeration and air-conditioning systems
- ◆ B.Voc in Refrigeration & AC Skills
- ◆ M.Voc in Refrigeration & AC Skills
- ◆ Ph.D. in Refrigeration & AC Skills



Centre of Excellence for AC Training with Daikin India.

Key Skills Area

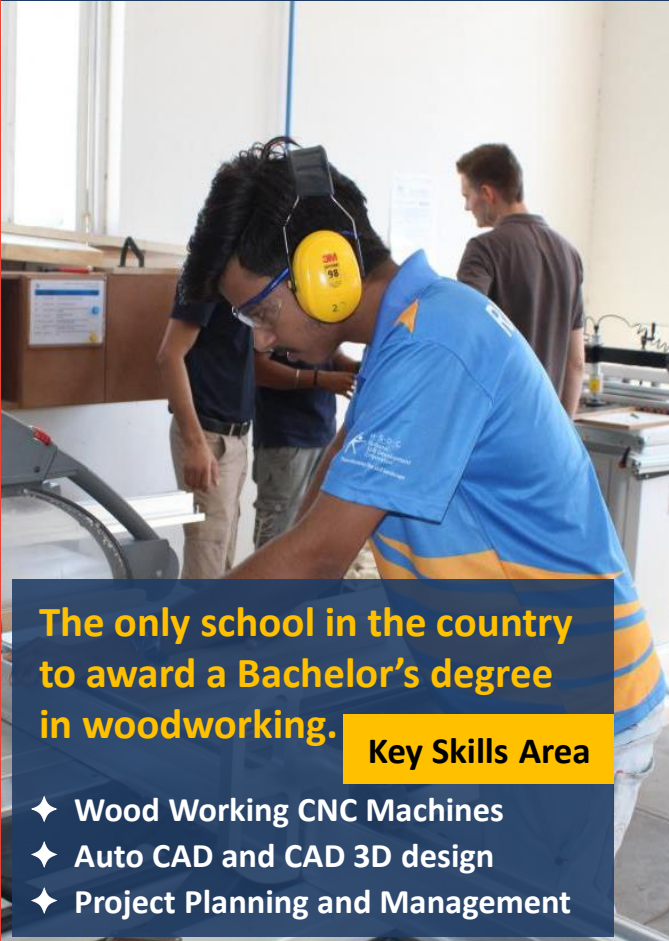
- ◆ AC installation, troubleshooting
- ◆ Refrigerated trucks and wheels
- ◆ Thermal insulation in HVAC

Programs Offered

- ◆ B.Voc in Wood Working Skills
- ◆ M.Voc in Wood Working Skills
- ◆ Ph.D. in Wood Working Skills

School of
Wood Working

School of Woodworking Skills through its state of the art facility, Swiss-based dual education model, and industry recommended curriculum provides a world-class training opportunity to the students. The B.Voc program contains modules in hand skills, use of power tools, CNC machines, fittings, assembly, CAD 3D designing, and soft skill



The only school in the country to award a Bachelor's degree in woodworking.

Key Skills Area

- ◆ Wood Working CNC Machines
- ◆ Auto CAD and CAD 3D design
- ◆ Project Planning and Management



State of the art Electrical Labs for professional training from the basics up to higher levels.

Key Skills Area

- ◆ AutoCAD Electrical Design Training
- ◆ PLC, SCADA and HMI Automation
- ◆ Solar Systems Installation

The school working to produce professionals, who are fully equipped to maintain the various electrical equipment /systems. In addition, the school aims to train and equip students to become professionals par excellence in the field of Renewable Energy Technology and

Programs Offered

- ◆ B.Voc in Electrical Skills
- ◆ B.Voc in Renewable Energy Technology Skills
- ◆ M.Voc in Smart Power System
- ◆ Ph.D. in Electrical Skills

Programs Offered

- ◆ M.Voc in Entrepreneurship Skills
- ◆ Ph.D. in Entrepreneurship Skills

The school has a mission to impart research-led quality knowledge, technical skills, and hands-on training in the area of Entrepreneurship Skills with a personal approach in an international setting. The School also offers entrepreneurial support for all BSDU students. The School of Entrepreneurship Skills



Start-up creating and development is part of the curricula.

Key Skills Area

- ◆ Enterprise Development & Growth
- ◆ Technical Hands-On Training
- ◆ Internship Abroad Program

School of
**HEALTH CARE AND
PARAMEDICS**

The school of Health Care and Paramedics skills follows the Swiss dual system and applies modern teaching methods. Students will acquire flexibly usable knowledge, develop interdisciplinary skills, and improve their problem-solving capability. Health Care and Paramedic specialists work in hospitals, psychiatric clinics, nursing homes,

Program Offered

- ◆ B.Voc in Health Care Skills (PRS)



Well equipped medical and skill labs.

Key Skills Area

- ◆ First Aid & CPR training
- ◆ Advance Life Support / AED
- ◆ Geriatric Care Management

Program Offered

- ◆ B.Voc in Hospitality and Tourism Skills

As a vast, dynamic, and growing industry, hospitality and tourism provide tremendous opportunities for ambitious students who enjoy working with people. It is important that those seeking careers as successful professionals develop a strong business foundation and consumer service skills. Graduates of hospitality and tourism management programs are well-rounded with a combination of business

School of
**HOSPITALITY AND
TOURISM**



Well furnished and equipped labs for practical infrastructural knowledge.

Key Skills Area

- ◆ Hotel operations
- ◆ Art of Cooking
- ◆ Guest services & hotel tourism manager



The school has a spacious building with modern classrooms and laboratories with an excellent environment for the students to receive training both in theoretical and practical aspects. Proper hands-on training is imparted in the open construction yard within the campus, field working.

Program Offered

- ◆ B.Voc in Construction Skills

The school is equipped with the latest equipment & modern infrastructure.

Key Skills Area

- ◆ Mason general
- ◆ Bar bender and steel fixer
- ◆ Quality technician

Program Offered

- ◆ B.Voc in Metal Construction Skills



The School offers a range of skilled courses pertaining to fabrication and processing of metal parts for component manufacturing integrated with science and technology. The graduates will be trained to the highest level of quality standards under this professional industrial education under supervision of Swiss Trainers. The course is

School of METAL CONSTRUCTION

World class metal fabrication facilities (Plasma) available with School.

Key Skills Area

- ◆ Welding (MMA, TIG, MIG)
- ◆ Sheet Metal Functioning
- ◆ Heavy & Light Fabrication

LAB Facilities and Student Projects



If You Can Dream It
We Can Help You To
BUILD IT
at BSDU Jaipur



and Many More Such Facilities...





FUNDING

Your Future

Scholarships & Fee Concession

BSDU Jaipur is committed to making its world-class education accessible & affordable for students from all walks of life. To promote equitable and inclusive Skill Education in line with the NEP 2020, the following scholarships and fee concessions are offered to students.

- Merit Scholarship
- Early Bird Fee Concession
- Tuition fee Concession for:
 - Girls and Transgender
 - Defence Personnel
 - Socio cultural identities
 - Economically weaker Identities
- Academic Scholarship

**Visit our Admission Page
to Know more**

www.ruji-bsdu.in/admission-process

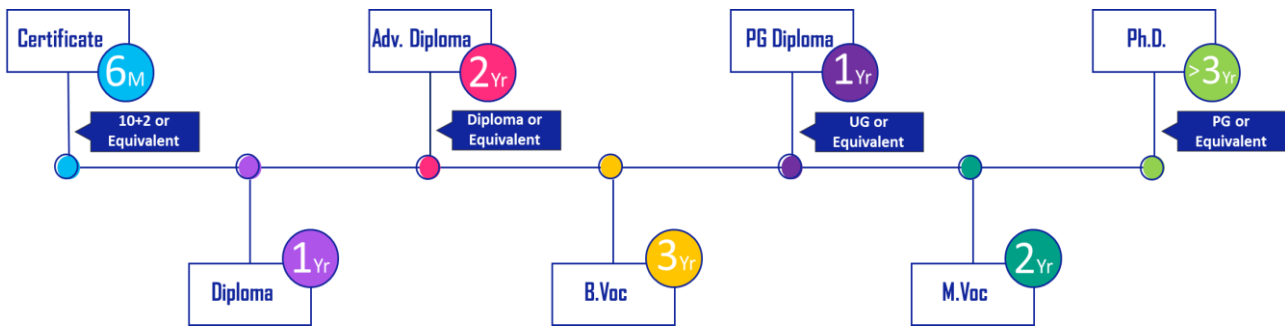
Multiple Entry and Exit Skill Programs:

B.Voc Eligibility:

- 10+2 or Equivalent
- Diploma holder entitled for lateral entry

M.Voc Eligibility:

- UG degree (relevant discipline)



Adv. Certificate and Ph.D. Program

In addition to the B.Voc and M.Voc program, Bhartiya Skill Development University also offer Adv. Certificate and Ph.D. program.

Adv. Certificate in 10+ skill areas:

Duration: 6 Months

Eligibility: UG degree (related discipline)

Key Highlights: Job-oriented program

Ph.D in 10+ skill areas:

Duration: Minimum 3 Years

Key Highlights: 20000/- per month research fellowship to full-time candidate



Academic Block @ BSDU New Campus

The new campus of the university, which is spread over 50 acres promises to offer its students & staff an immersive experience of academic excellence, extracurricular activities, and a social life. Out of the six academic blocks with 4 schools each, one block is operational, and houses FOUR departments of the university viz.

- **School of Automotive Skills**
- **School of Construction Skills**
- **School of Electrical Skills**
- **School of Refrigeration & AC Skills**

The under construction administrative block will comprise of library, three conference halls of different sizes and other state of art facilities.

The other facilities that will be raised in the new campus of the BSDU Jaipur includes:

- Faculty accommodation
- Girls & Boys Hostel
- Indoor and outdoor sport facility



Degree with 1+ Yrs.
of Industry Experience

Internship Every
Alternate Semester

Education with Applied
Skill Training

Curriculum that Support 360 Degree Development

01

Stringent Student Selection

BSDU Jaipur is unique, different, and first of its kind in India in terms of its curriculum, training procedures, and selection standards. All our students enter the institute after proving themselves first at the board exam and then again at BCAT. We believe in rewarding only through merit.

02

World-class Curriculum and Faculty

Each school of BSDU Jaipur represents a true mix of Swiss and Indian faculty members. A large number of our faculty members are Ph.Ds. and are actively involved in research and journal publications. Our curriculum is constantly updated to reflect the latest in knowledge, skills, and Industry requirements.

03

World-class Infrastructure & Facilities

BSDU Jaipur is home to Thirteen Schools which are alive to the plurality of diverse skill courses and are an integral part of the University's vision to thrive for Global Excellence in Skill Development. In each school, infrastructure and facilities are developed in line with the global standards.

04

360 degree Personality Development

We believe wholeheartedly in helping students to develop their full potential in every field of their interest. Soft skills development is made part of the classroom experience through presentation and open-ended learning components. Entrepreneurship and innovation are promoted among students, through activities of IIC. Extracurricular activities, student-managed clubs & events give them further avenues to express themselves & develop skills beyond academics.

05

Swiss Dual System

The whole training is based on the Swiss Dual System comprising of "On the Job Training" and "Vocational School" which has been adopted after carrying out due modifications to suit the Indian industry. BSDU taking a cue from it, is today poised to offer such inter-industry courses to the Indian Youth. It is the first of its kind University, promoting Skill Development through actual practical skills training based on the concept of "One Machine-One Student".

06

Students with Experience in Industry

In the three-years degree course, each year comprising of two semesters, with the I, III & V semesters at BSDU campus and II, IV & VI semesters with the industry. The Industry internship every alternate semester ensures that every student has spent nearly 18 months (B.Voc) or 12 months (M.Voc) working experience in the industry even before graduation. Our internship program gives students the vital experience needed to adapt quickly to careers.

**Learn, Grow,
and BELONG**



No one wants to be considered just a number. Thanks to our small class sizes, caring professors, and trainers - YOU WON'T BE.

**Teaching - 30:1
Training - 15:1**



FIND YOUR community

Community Outreach

IIC at BSDU has been conducting various activities to support our learning community and to build an ecosystem, of entrepreneurs & innovators. Towards this aim, we organized more than 40 skill workshops for various stakeholders, hosted the Grand Finale of Smart India Hackathon-2019 (Hardware Edition), organized EAC funded by DST- NIMAT, supported many schools of Jaipur in their innovation & entrepreneurial journey, conducted online classes for all Govt ITI of Rajasthan, interacted with various Govt organizations. Faculty-Student exchange under Erasmus plus by providing global exposure to our students and faculties.



Erasmus Mobility Exchange with European Universities





BSDU offers hostel facility separately for boys and girls. It is a home away from home, equipped with indoor games facilities, common rooms and a mess. Hot water provided during winters. Twenty-four-hour water and electricity supply is ensured. Strict

BSDU Student Housing *Home away from Home*

security measures are taken to ensure the safety

of the students. The hostels have a resident warden & the mess has a high quality air-cooled dining room serving four meals every day. The BSDU hostels provide a great ambience for living and learning together.

- **304 Accommodations at Campus**
- **50 Accommodation in Vicinity**



Medical Facility/Assistance

The University has its own Medical Aid Post, fully equipped with necessary medicines and oxygen cylinders, etc. The trainers from the School of Health Care and Paramedic Skills are also qualified personnel and are available for necessary assistance. An ambulance is available on the campus round the clock. In addition, we have tie-up with a hospital, which is located just 8 km from the campus. All the employees are covered by a group medical insurance scheme.

Central Library holds a hybrid collection of printed as well as electronic resources which include books, journals, databases, audio-visual aids, CDs/DVDs, e-books, e-journals, e-questions papers, etc. A large percentage of resources belong to the higher skills education category. Currently, it has the collection of -18000 books,

BSDU Central Library *Knowledge Resource Center*

900 CD/DVDs, Wall Chart in 13 Trades, Transparency Sheets in 18 Trades, DELNET Membership, EBSCO Engineering Database. Other Infrastructure includes, DELNET, KOHA, DSpace software, and NPTEL Videos.





Recruiter Testimonial



Excellent setup considering the industry requirement and are as per World Skills standards. Skill work shop is equipped with latest technology. Faculties are well qualified for the skill. Students getting trained at BSDU will be ready for the job from the day one.

B Sridhar, Sr. Manager
Mahindra & Mahindra Ltd.
Automotive Division



An iconic University for imparting Skill. The whole training is based on Swiss Dual System comprising of “On the job Training” and “Vocational School” which has been adopted after carrying out due modifications to suit the Indian industry.

Dr. D. K. Shrivastava
General Manager, L&T Power



Be BSDUian
Be GLOBAL





**We're the
Community of
INNOVATORS**

visit: www.ruj.bsdu.in



WRITE US

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VISIT US

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