BHARTIYA SKILL DEVELOPMENT UNIVERSITY

BSDU
॥ कौशल प्रजन सम्पद् ॥

**BHARTIYA SKILL
DEVELOPMENT UNIVERSITY**

FACULTY OF
COMPUTING SKILLS

Welcome to BSDU, a pioneering experiment in Indian higher education, especially in skill development. Modelled on the successful Swiss Dual System, BSDU fosters a dynamic synergy between academia, industry, and is committed to hands-on learning.

The University has established itself as a bold and innovative institution, pioneering the kind of skill education India's New Education Policy has now recommended for all higher education institutions in India. In this sense, BSDU represents the cutting edge of not just Indian, but global vocational education.

Once again, I welcome you all to explore our university and join us as we transform the landscape of skills-based education.

DR. VIVEK BHANDARI
President
Bhartiya Skill Development University

'BSDU REPRESENTS THE CUTTING EDGE OF NOT JUST INDIAN, BUT GLOBAL VOCATIONAL EDUCATION'

Embark on a dynamic career path with our IT Specialist Course. Dive deep into cutting-edge technologies, gain hands-on experience, and unlock a world of opportunities in the dynamic worlds of cybersecurity, cloud computing, software development and more.

Our vision for the Faculty of Computing Skills Education is to establish a dynamic, globally recognized center of excellence in the computing field. We are committed to providing a learner-centric environment that focuses on practical, hands-on learning experiences. Our curriculum is designed to cultivate action competence, ensuring that students are well-equipped to tackle real-world computing challenges.

We are proud to collaborate with national and international academic partners to further enhance our offerings and provide students with a comprehensive computing education that prepare them for success in the digital age.

Dr. SUMITRA SINGAR
Dean, Faculty of Computing Skills
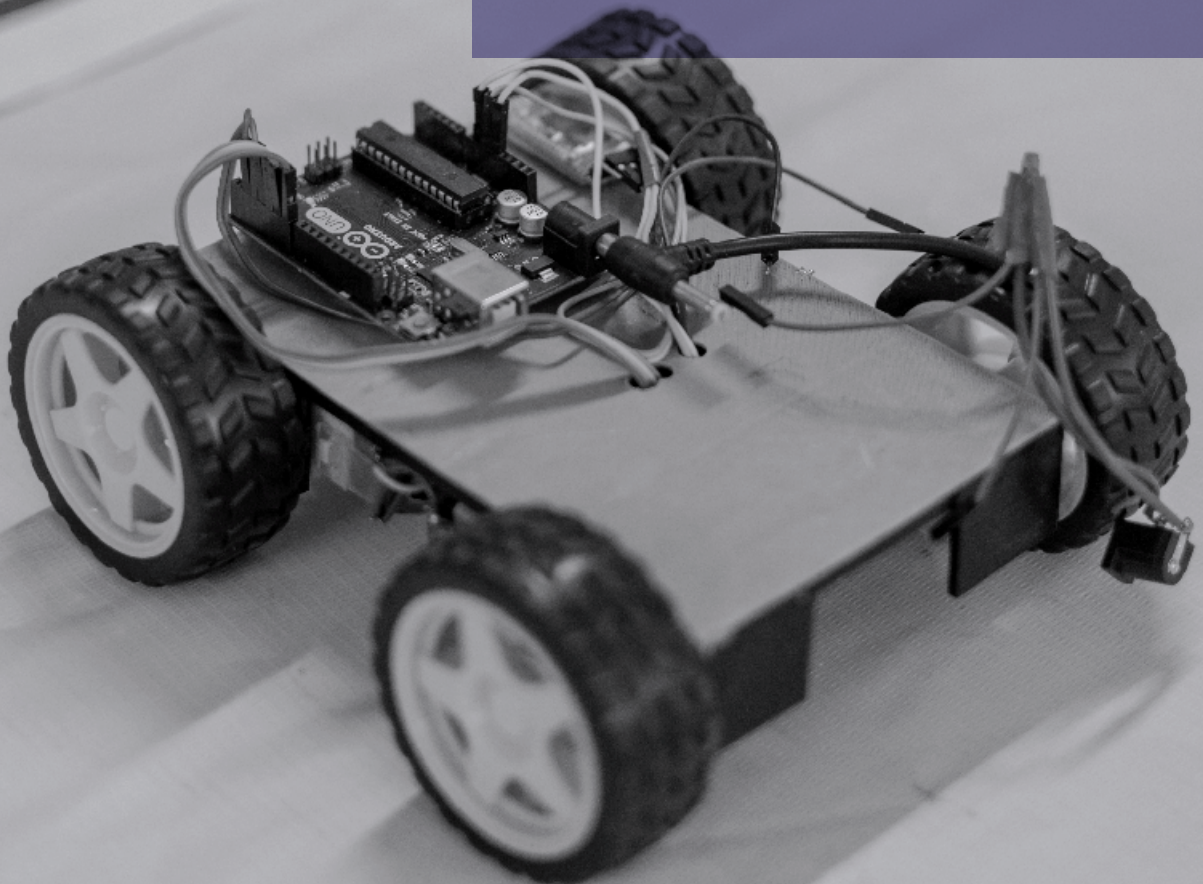Bhartiya Skill Development University

CONTENT

FACULTY OF COMPUTING SKILLS

The B.Voc program in Computing Skills provides comprehensive training in various aspects of information technology, preparing students for diverse job roles such as network administrator, cybersecurity analyst, software developer, and technical support specialist. This program equips students with the skills and knowledge needed to excel in the rapidly evolving field of IT, ensuring they are well-prepared for a successful career in this field.

It is an industry-integrated program aligned with the world's most evolved Swiss system of Vocational Education (also called Swiss Dual System).

SWISS DUAL SYSTEM

The Swiss Dual System of Vocational Education is a highly respected model globally renowned for its effectiveness in preparing individuals for successful careers in various industries. It combines practical, on-the-job training, with classroom-based learning thereby offering a unique blend of theoretical knowledge and hands-on experience.

- **Dual Structure:** The education system is structured around two main components: vocational school education and company-based training. Students spend part of their time in vocational schools, where they acquire theoretical and practical knowledge relevant to their chosen profession and the remaining time is spent in companies, where they undergo practical training under the guidance of experienced professionals.
- **Partnership with Industry:** Swiss vocational education programs are developed and implemented in close collaboration with industry partners and industry associations. This ensures that the curriculum is aligned with the current needs and requirements of the market.

- **Preparation for Life:** An important component of the curriculum includes education in life skills and critical thinking. These skills prepare students not only for the workplace, but also their long-term growth and success.

HOW BSDU IS BETTER THAN ANY OTHER SKILL TRAINING COURSE

- Stipend during six-month industry internship in 2nd, 4th, and 6th semesters
- Training by experts/visiting faculties from Switzerland
- Multiple entry & exit system
- Hostel facility available separately for boys and girls
- Merit-based Scholarships & Fee Concessions to eligible students

B.VOC IN COMPUTING SKILLS

This Course is for students who

- Are enthusiastic about technology
- Have a strong aptitude for problem-solving
- Possess a keen interest in exploring the dynamic world of information technology
- Are eager to learn and adapt to new technologies

JOB ROLES & WORKPLACE TRAINING

First Year

In the first year of training, the student gains basic knowledge about the IT service industry for the job role of IT support technician, network technician, system administrator, and programmer.
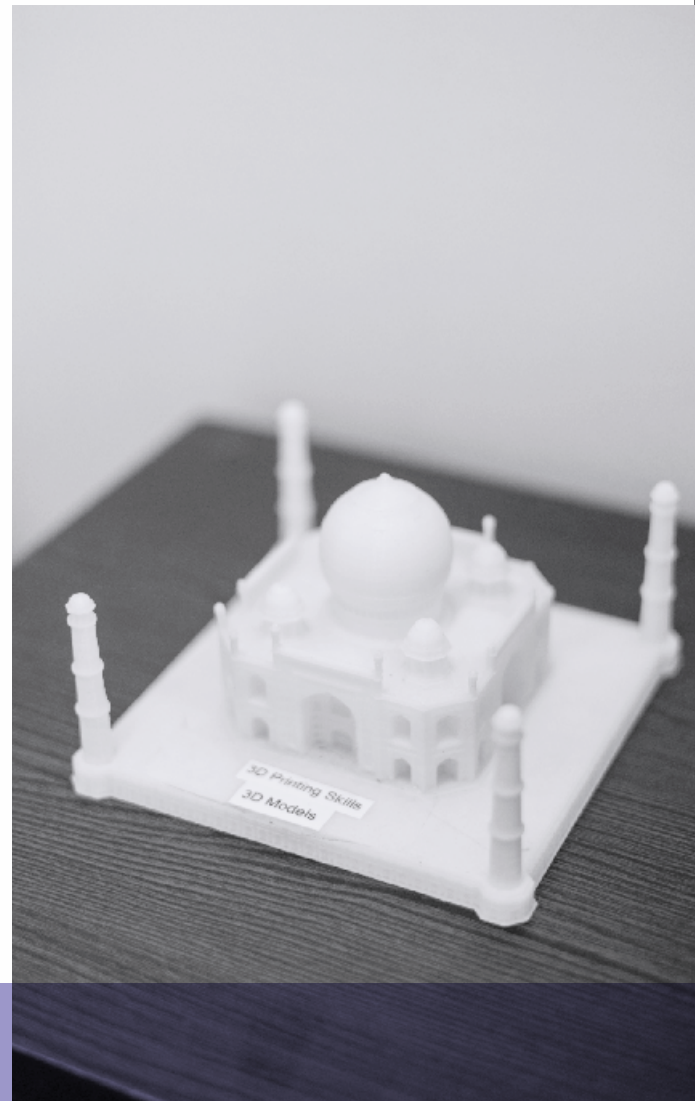
Second Year

During the second year of training, the student can reach upto the higher roles such as an IT senior service technician, network engineer, software engineer, database administrator, app and web developer and server administrator.

Third Year

In the final year, the student can reach upto an IT expert, IT project manager, cloud solutions architect, IOT engineer, and cybersecurity specialist.

WHY B.VOC IN COMPUTING SKILLS

- For a rewarding career in IT and to stay ahead on the curve with a chance to work on cutting-edge technologies like cybersecurity, cloud computing, IoT and more.
- For a high-demand career with competitive salaries, offering opportunities to work with the latest technologies and solve complex problems in the field of information technology.
- The course prepares students for versatile roles such as network administration, cybersecurity, software development, and technical support, opening doors to a wide range of career opportunities in the IT industry.
- Gain real-world experience through internships, hands-on projects, and industry partnerships.
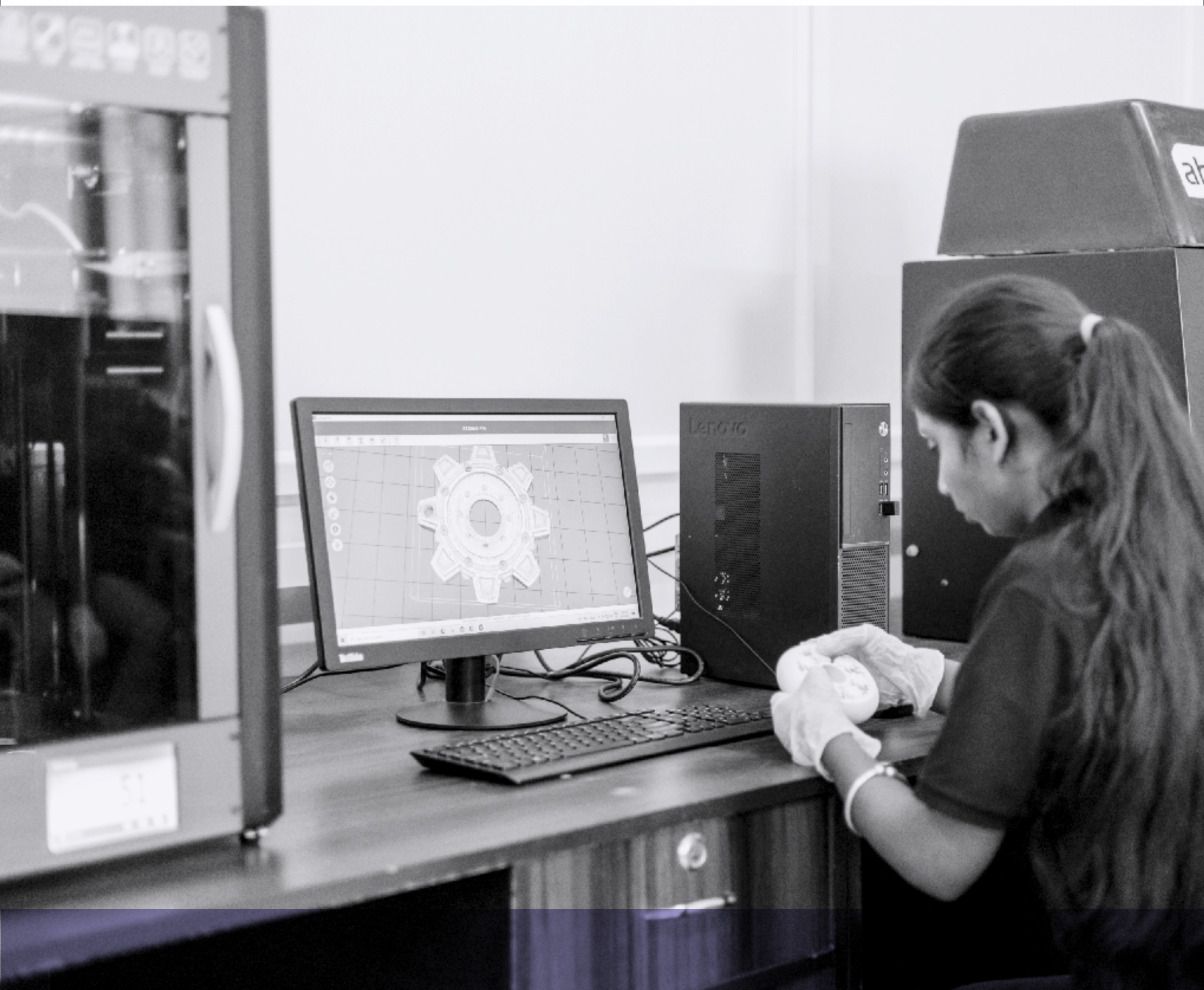
B.VOC IN
COMPUTING SKILLS

DURATION

3 Years

ELIGIBILITY CRITERIA

- 10+2 (PCM preferred) or,
- 2 years of ITI after 10th or Equivalent or,
- Diploma holder entitled for lateral entry admission

SELECTION PROCEDURE

Admission will be through an Entrance Exam followed by a personal interview.

MODULAR STRUCTURE, AND ENTRY & EXIT OPTIONS

All B.Voc programs are structured in a modular format, offering various entry and exit points at Certificate, Diploma, Advanced Diploma, and levels. Each of the six semesters is designed to carry 30 credits, culminating in a total of 180 credits upon completion of the B.Voc program.

This modular approach provides students with the flexibility to progress through the program at their own pace and choose the level of qualification that best suits their academic and career aspirations.

Semester	Duration	Exit in	Location	Credits (Cumulative)	Award
I	6 Months	6 Months	BSDU	30	Certificate
II	6 Months	1 Year	Industry Workplace	60	Diploma
III	6 Months	1.5 Years	BSDU	90	----
IV	6 Months	2 Years	Industry Workplace	120	Advanced Diploma
V	6 Month	2.5 Years	BSDU	150	----
VI	6 Months	3 Years	Industry Workplace	180	B.Voc

KEY COMPETENCIES

This IT Specialist course is suitable for beginners looking to enter the IT field or for professionals seeking to enhance their existing skills.
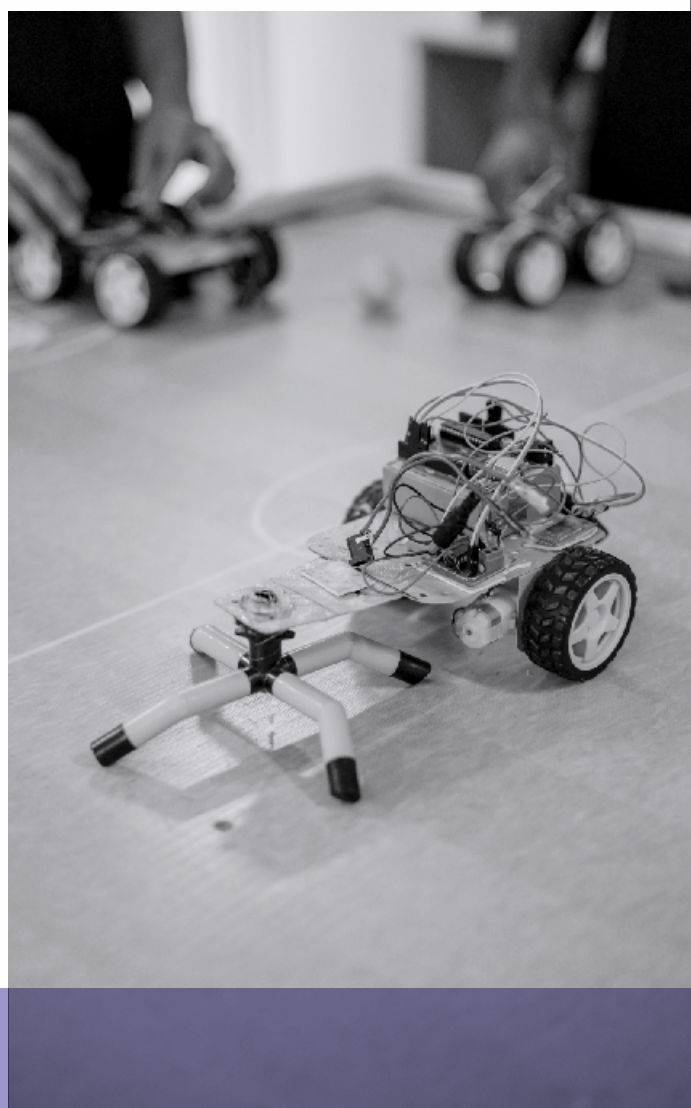
- IT specialists guide or lead IT projects as members of teams. They plan a project in terms of time and human resources and monitor compliance with the objectives on an ongoing basis.
- Handle digital data, develop suitable models for storing data and take measures regarding security and data protection.
- IT networking specialists ensure seamless operation of the IT infrastructure and its services in accordance with customer requirements. They plan local area networks (LAN), select suitable network components, install and configure them, and finally monitor the ongoing operation.
- Physical or virtual server systems and services are central components of the IT network. IT specialists specialize in developing plans, manage and maintain them.

IT INFRASTRUCTURE

Students get hands-on experience with our dedicated labs for networking, cybersecurity, software development and industry standard tools & technologies. It prepares them for real world IT environments.

- Networking Lab
- Programming Lab
- Cybersecurity Lab
- Hardware Maintenance Lab
- IoT Lab
- 3D Printing Lab

FUTURE PROSPECTS

The future for IT networking students is bright, with growing demand for connectivity and digital infrastructure. They need to stay updated on emerging technologies like 5G and edge computing, prioritize cybersecurity skills, embrace automation and AI, and develop strong communication and collaboration abilities.

With this course the students are enabled with:

- Entrepreneurial skills and knowledge
- Assess the commercial viability of new/existing business opportunities
- Secure employment
- Become socially responsible, culturally aware and ethically better citizens of today and tomorrow.

Job opportunities for students after completing this course

- System Administrator
- Network Engineer
- Database Administrator
- Cybersecurity Analyst
- IT Consultant
- Cloud Architect
- Web Developer
- Project Manager
- Technical Support Specialist

ADMISSION PROCESS

- Applications in the prescribed format for undergraduate programs (B.Voc) are invited from eligible candidates.
- After reviewing the applications, selected candidates are invited for the BSDU Common Admission Test 2024.
- Qualified candidates from the entrance test will appear before the interview panel for personal interviews.
- After compiling all the assessment weightage, a merit list of successful candidates is prepared and notified to the candidates.
- All successful candidates are then called for counselling sessions, document verification, and fee payment as per the notified schedule to complete the admission modalities.

ADMISSION CLOSES ON:

| **15th May, 2024** | **18th June, 2024** | **22nd July, 2024** |
| (Round-1) | (Round-2) | (Round-3) |

FEE STRUCTURE FOR B.VOC
(3-YEAR PROGRAM)

Courses	I*/III/V Semester @ BSDU Campus	II/IV/VI Semester @ Industry Workplace Training	Total Yearly Fee for the Program
IT/Networking Skills	Rs. 50,000	Rs. 10,000	Rs. 60,000

*For all courses, an additional fee of Rs. 6,000 will be collected in the 1st semester. This includes a Rs. 1,000 registration fee and a Rs. 5,000 caution money deposit. The caution money is refundable upon completion of the B.Voc program.

Fee to be deposited within seven days of receiving provisional admission letter.

COURSE STRUCTURE

SEMESTER 1

- Applied Mathematics
- Computer Hardware and System Essentials
- OS Client Administration
- Linux Administration
- Basics of Networking
- Introduction to Programming with Python
- Branch Course-I

- Open Elective

General Education

- New Phase of Life
- Dealing with Money
- Partnership and Relationships
- Labour Laws and Rights

SEMESTER 2: Workplace Training I

SEMESTER 3

- Network Design and Implementation
- Server Management
- Network Security
- Database Management System
- Web Development
- Digital Marketing
- Branch Course-II
- Open Elective

General Education

- Health and Well being
- Education and Learning
- Media and Communication
- Cultural Diversity and Inclusion

SEMESTER 4: Workplace Training II

SEMESTER 5

- Internet of Things
- Firewall Configurations
- Cloud Computing
- Cybersecurity
- Project Management
- Branch Course -III
- Open Elective

General Education

- Environment and Sustainability
- Problem Solving Through Logical Reasoning
- Global Challenges
- Visions of the Future and Responsibility

SEMESTER 6: Workplace Training III

LIFE @ BSDU

THE CAMPUS

BSDU, Jaipur is strategically situated at Mahindra World City, a multiproduct Special Economic Zone based on the concept of an 'Integrated Business City', that is home to prestigious firms like JCB, Mahindra, Infosys, ICICI Bank, RS India, TTK Healthcare, and Ball Corporation. It is located at just 45 min drive from both Jaipur International Airport and Railway Station.

SPORTS

BSDU believes in building an all-round personality including physical fitness for its students. It provides adequate outdoor and indoor sports facilities. These facilities include well-maintained Volleyball and Football grounds and carom, soccer, chess, table tennis, etc.

HOSTEL

BSDU offers a 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 is provided during winters. Twenty-four-hour water and electricity supply is ensured. Strict security measures are taken to ensure safety of the students. The hostels have a resident warden. The Mess facility has high-quality air-cooled dining room serving four meals every day.

Hostel Fee

- Rs. 36,600 per semester for Boarding & Lodging.
- Hostel Charges include both Hostel Stay (Non-AC) and Mess/Dining charges.
- Electricity will be charged as per actual consumption.
- This Fee Structure is valid for the Academic Year 2024-25.

CENTRAL LIBRARY

Central Library holds a hybrid collection of printed as well as electronic resources which include books, journals, databases, audiovisual aids, CDs/DVDs, e-books, e-journals, e-question papers, etc. Currently, it has a collection of 18000 books, 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.

DEPARTMENT OF WORKPLACE TRAINING

The Department of Workplace Training & Placement (DWTP) at Bhartiya Skill Development University (BSDU) connects students with recruiters, ensuring a match between their mutual aspirations. BSDU's curriculum is designed to prepare students for successful careers with reputable organizations. The University enhances students' professional skills through various activities and events, helping them excel in their chosen fields.

DWTP organizes year-round activities to prepare students for employment, with regular visits from reputed organizations for compulsory internships across all programs. The department maintains strong relationships with these organizations, ensuring continuous opportunities for students. DWTP also provides training in aptitude tests, group discussions, resume preparation, and interviews, ensuring students are equipped with both technical knowledge and soft skills to meet industry expectations.

SCHOLARSHIPS & FEE CONCESSION

BSDU 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.

- Tuition fee Concession for:
  - Girls and Transgender
  - Defense Personnel
  - Socio-cultural identities
  - Differently-abled students
  - Economically weaker Identities
- Academic Scholarship

OUR RECRUITERS

SUCCESS STORIES

Student Name	Year of Passing	Salary/ Month	Name of Company
Raj Kumar	2022	Rs. 83,000	Impetus Technologies, Indore
Rahul	2022	Rs. 41,667	ThinkSys Software, Noida
Mamta Bishnoi	2021	Rs. 40,000	Sudrania, Jaipur
Ankit Poonia	2021	Rs. 37,500	Dot Squares, Jaipur
Yash Suman	2022	Rs. 40,000	Avyukta Intellicall Consulting Pvt Ltd, Jaipur
Govind Kumawat	2023	Rs. 35,000	Kampawat Technologies, Udaipur
Lakshya Jain	2021	Rs. 70,000	AuthBridge Research Services, Gurugram

RECOGNITIONS

- The establishment of BSDU, Jaipur is recognized and approved by the State Government. The University has been incorporated by the Government of Rajasthan through legislation of Bhartiya Skill Development University, Jaipur Act 2017(Act No. 3 of 2017) and was notified vide Notification No. F.2(4) Vidhi/2017 dated 30th March 2017 in the Rajasthan Gazette.
- Recognized by the University Grants Commission (UGC)
- All B.Voc and M.Voc courses of Bhartiya Skill Development University are aligned with the National Skill Qualifications Framework (NSQF)
- Bhartiya Skill Development University is a member of the Association of Indian Universities.

ADMISSION QUERIES

admissions@ruj-bsdu.in | +91 9116611131

BHARTIYA SKILL DEVELOPMENT UNIVERSITY

RAJENDRA AND URSULA JOSHI
CHARITABLE TRUST

CAMPUS

BHARTIYA SKILL DEVELOPMENT UNIVERSITY
Plot 005/001-002, DTA Mahindra World City,
Ajmer Road, Jaipur, Rajasthan

Incorporated through Rajasthan State Legislature Act No. 3 of 2017.

UGC approved establishment under Section 2(f) of the
UGC Act 1956 dated 10.11.2020.

ruj-bsdu.in