



BHARTIYA SKILL
DEVELOPMENT UNIVERSITY

FACULTY OF AUTOMOTIVE 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'**



The Faculty of Automotive Skills Education is committed to providing students with a comprehensive education that prepares them for successful careers in the Automotive Industry. Our vision is to create a learner-centric environment that emphasizes practical learning, action competence, and real-world applications, supported by outstanding faculty and national and international academic partnerships.

The Faculty is dedicated to fostering a culture that prioritizes the pursuit of excellence over mere graduation, delivering high-quality education, ensuring best possible training to students with industry leaders thereby creating professionals.

I welcome the students aspiring to pursue their career in the automotive industry, and wish you the very best as you embark on a challenging yet a rewarding journey.

DR. SUNIL ANAND

Dean

Faculty of Automotive Skills



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FACULTY OF AUTOMOTIVE SKILLS

The B.Voc Program in Automotive Skills Education offers a unique opportunity to join an industry-integrated program, aligning with the Swiss Dual system of Vocational Education. This innovative approach, 'Recognized by the Industry for the Industry', ensures that students receive hands-on training and are job-ready upon graduation.

The program is designed to develop specialists in two industry verticals:

- **Automotive Specialist in Mechanical & Mechatronics:** This specialization prepares students for roles in the mechanical and mechatronics aspects of the automotive industry, providing a comprehensive understanding of the technical aspects of vehicle design and operation.
- **Automotive Specialist in Paint and Bodywork:** This specialization focuses on the artistic and technical aspects of automotive design, preparing students for roles in paint and bodywork, ensuring they are equipped to deliver high-quality finishes and bodywork solutions.

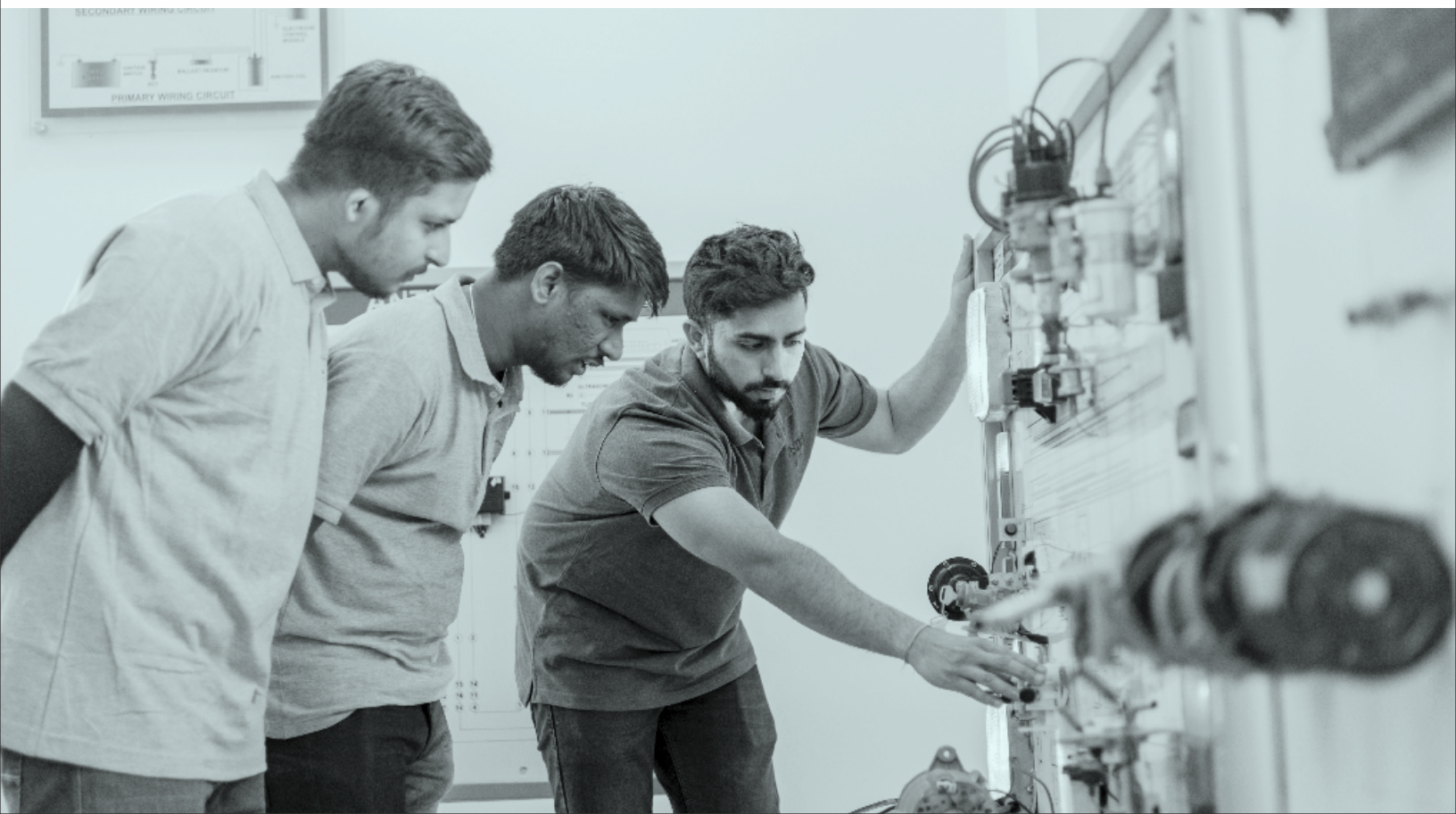
THIS COURSE IS FOR STUDENTS WHO

- Are passionate about cars and bikes
- Have strong desire to work in the automotive industry
- Are willing to learn, good problem-solving skills, and desire for hands-on work

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.



JOB ROLES & WORKPLACE TRAINING

First Year

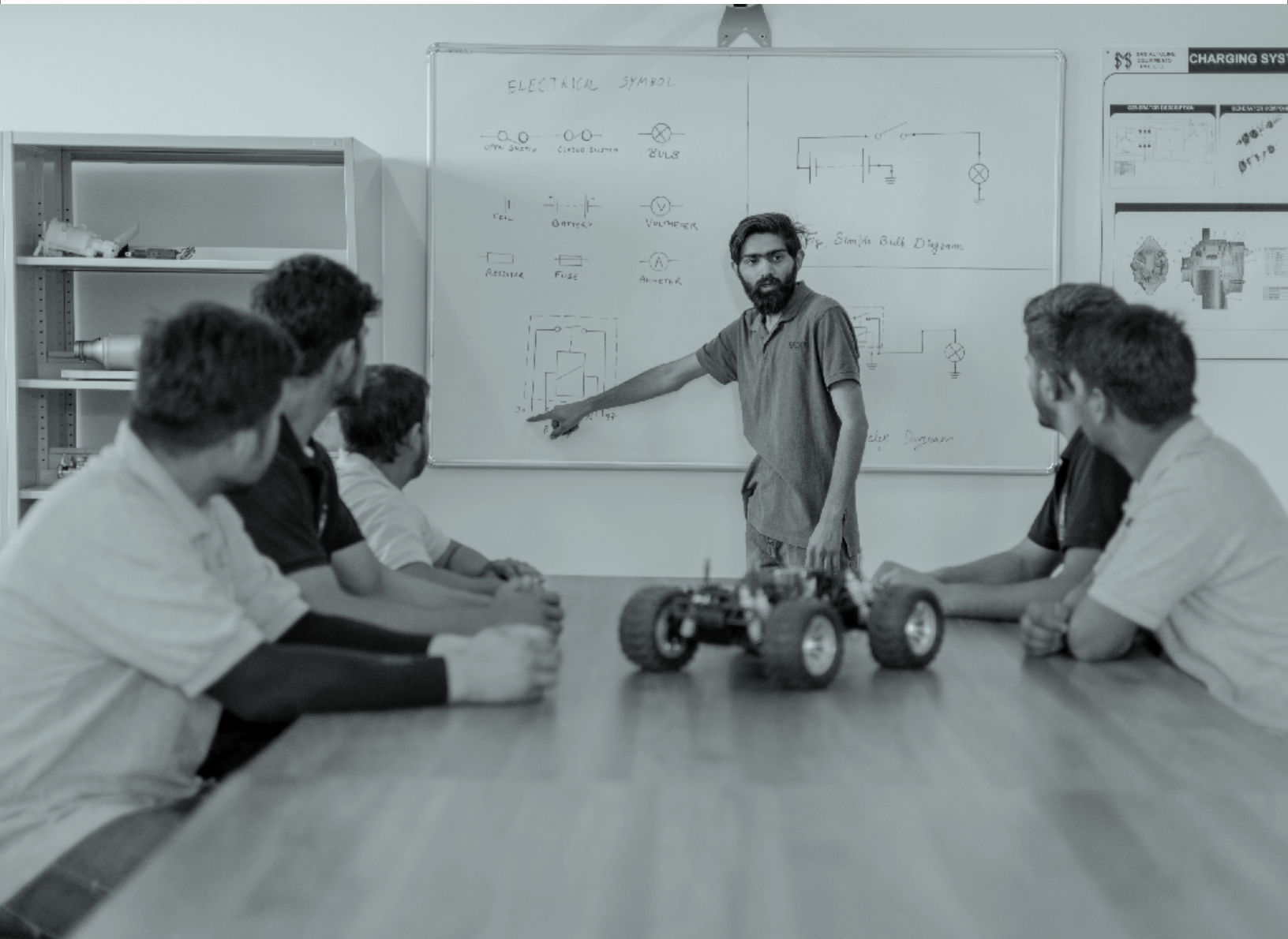
During the first year of workplace training, the student will gain basic knowledge about the automobile service industry in the role of Automotive Service Technician, Auto Electric Technician, Body Shop Technician, and Paint Technician.

Second Year

In the second year of workplace training, the student will be promoted to higher roles as Senior Service Technician, Body Shop Advisor, Diagnostic Technician, and Service Front office executive.

Third Year

In the final year, the student will reach up to Automotive Service Advisor, Automotive Body Shop Supervisor, Floor Supervisor, EV Technocrat, Technical trainer, and Fleet Manager.



WHY B.VOC IN AUTOMOTIVE SKILLS

The Bachelor of Vocation (B. Voc) in Automotive Skills offers a unique blend of theoretical knowledge and practical training, preparing students for a high-tech work environment with long-term job security, competitive salaries, and benefits. This program is distinguished by its strong industry connections, ensuring that students are equipped with the skills and expertise demanded by the automotive sector.

- **Focus on Practical Training and State-of-the-Art Facilities**

The program places significant emphasis on practical training, preparing students for real-world challenges. Students have access to state-of-the-art workshops, laboratories for both the specializations including a well-equipped library, enhancing their learning experience. These facilities are designed to simulate work situations, allowing students to develop their skills in a realistic environment.

- **Experienced Faculty and Industry Connections**

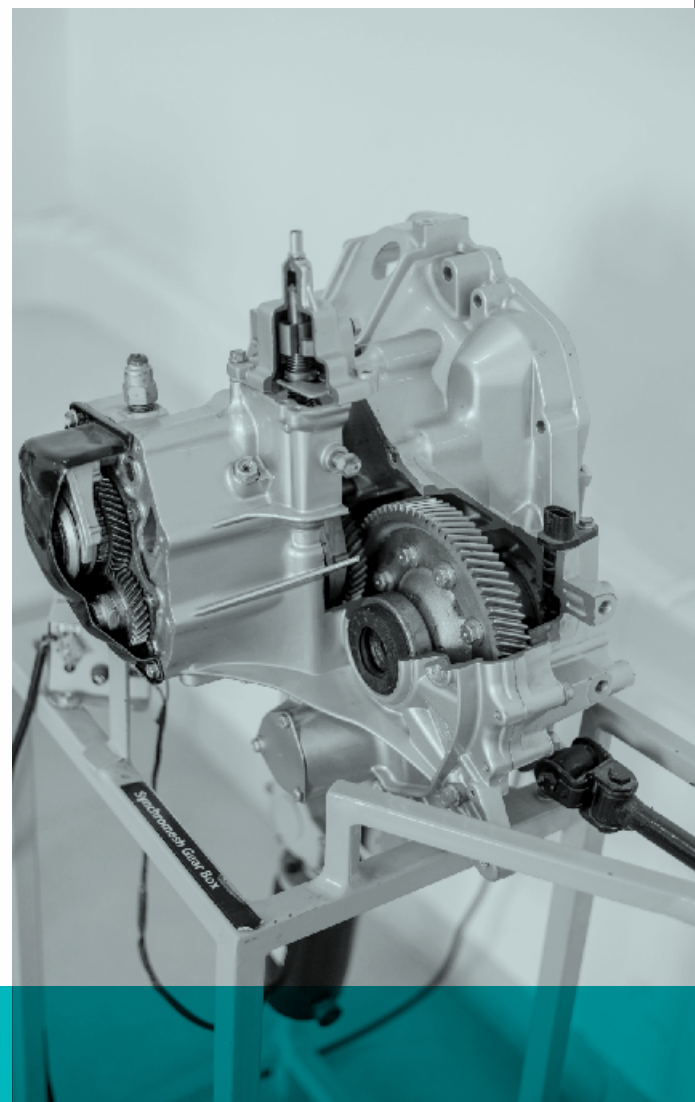
The program is led by qualified and experienced faculty members, along with visiting faculties from Switzerland to provide expert training and guidance to students.

- **Collaboration with the Federation of Automobile Dealers Association (FADA)**

Collaboration with the Federation of Automobile Dealers Association (FADA) ensures that students are well-prepared for the industry and have access to valuable industry connections.

- **Paid Industry Internship: Enhancing Job Prospects**

B.Voc in Automotive Skills offers paid internship, providing students with valuable industry experience and enhancing their job prospects. This program is designed to equip students with the skills and expertise required to succeed in the automotive industry, ensuring a future growth for those who pursue it.





KEY COMPETENCIES

The program at the Faculty of Automotive Skills focuses on a complete framework towards all the areas of competencies required to become a successful professional in the automotive industry. For each area of competency individual competencies are defined which brings holistic skills like:

- **Mechatronics and Diagnostic:** Students learn to diagnose and troubleshoot mechanical and computer-controlled electronic systems in vehicles. This includes identifying and resolving issues related to engines, transmissions, brakes, steering, suspension, and electrical systems.
- **Technical Knowledge:** The program provides students with a comprehensive understanding of automotive systems, including the principles of operation and maintenance of the systems. The knowledge is essential for effectively servicing modern vehicles.
- **Maintenance Skills:** Students acquire skills needed to repair and maintain various automotive components and systems which involve hands-on training in techniques such as engine repair, engine overhauling, brake service, electrical system repair, and mechatronics.
- **Safety Awareness:** Safety is a top priority in the automotive industry. Students learn about the safety regulations and practices to ensure a safe working environment for themselves and others.
- **Problem-Solving Skills:** The program emphasizes the development of problem-solving skills, which are crucial for identifying and resolving issues that arise in automotive systems.
- **Customer Service Skills:** Students learn to interact with customers professionally and provide excellent services, essential for building a successful career in the automotive industry.

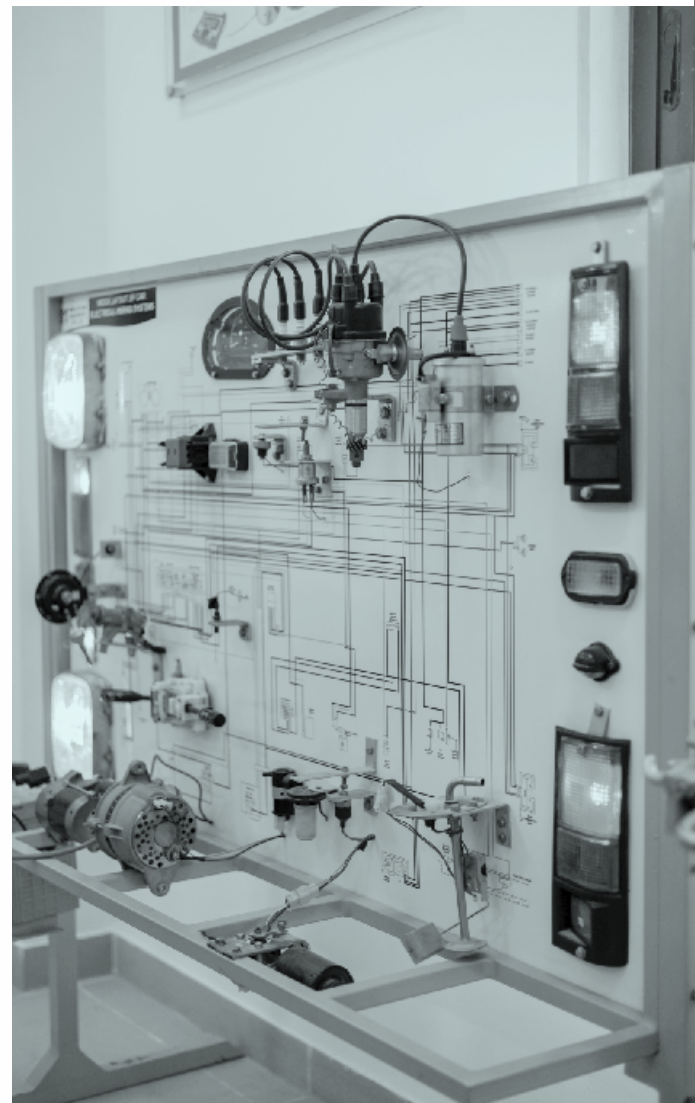


INFRASTRUCTURE AND EQUIPMENT

The Faculty offers the latest machinery imported from Italy, Austria, Switzerland, Japan, etc. and has well-equipped labs:

- Mechatronics Lab
- Paint Workshop
- Body Workshop
- Vehicle Diagnostics Lab
- EV Lab
- Aggregate Lab

Apart from this, the BSDU has a special '**Hero Excellence Centre**' set up by Hero MotoCorp for students to get hands-on experience on Hero 2-wheelers.



FUTURE PROSPECTS

The automotive industry presents a promising future for professionals, with the Indian auto industry being one of the largest and most dynamic in the world. As the demand for skilled professionals to service and maintain vehicles continues to grow, graduates can expect a wide range of opportunities for growth and development in this dynamic industry. With the increasing demand for electric vehicles and hybrid vehicles, there is a growing need for technocrats who can maintain these vehicles, providing a bright and fulfilling career in the automotive industry.

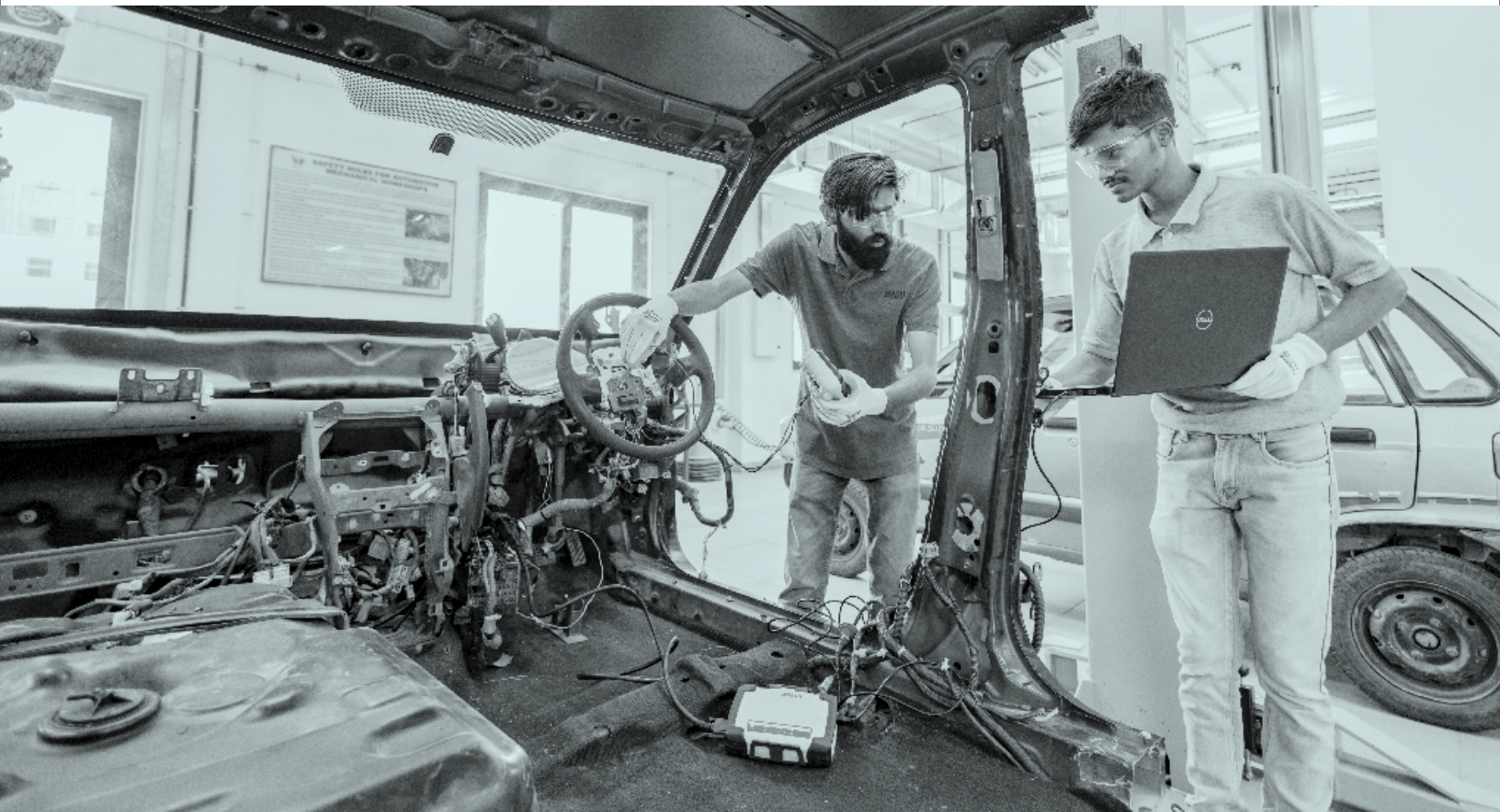
The key skills taught in the program culminate into meaningful professions in the automotive industry. Graduates are prepared for job roles in Indian as well as the international markets as:

- Automotive Mechatronics Technician
- Senior Technician
- Service Advisor

- Floor Supervisor
- Service Manager
- Insurance Surveyor
- EV Technocrat
- Technical Trainer
- Fleet Manager
- Technical Writer
- Vehicle Evaluator
- Auto Vehicle Reviewer
- Automotive Influencer
- Technocrat

It also provides a unique opportunity to become Job Providers by becoming entrepreneurs and starting-up ventures in the automotive field, creating innovative solutions and products that meet the growing demands of the industry.

B. Voc being a graduation Program, it further facilitates students to pursue higher studies such as B. Tech (Automobile)/M.Voc (Automobile)/MBA.



B.VOC IN AUTOMOTIVE SKILLS

The Program is a UGC-approved industry relevant curriculum which is updated regularly to reflect the latest advancements in the field. The courses are conducted in collaboration with the **Federation of Automobile Dealers Associations (FADA)**, an apex body of more than 15,000 automotive dealerships across India that is committed to support the internship and placement of the students under this Faculty.

DURATION

3 Years

SELECTION PROCEDURE

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

ELIGIBILITY CRITERIA

- 10+2 in any stream, or
- 2 years of ITI after 10th, or
- Polytechnic Diploma holders are eligible for lateral entry admission





MODULAR STRUCTURE, AND ENTRY & EXIT OPTIONS

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 Months	2.5 Years	BSDU	150	----
VI	6 Months	3 Years	Industry Workplace	180	B.Voc

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 counseling sessions, document verification, and fee payment as per the notified schedule to complete the admission modalities.

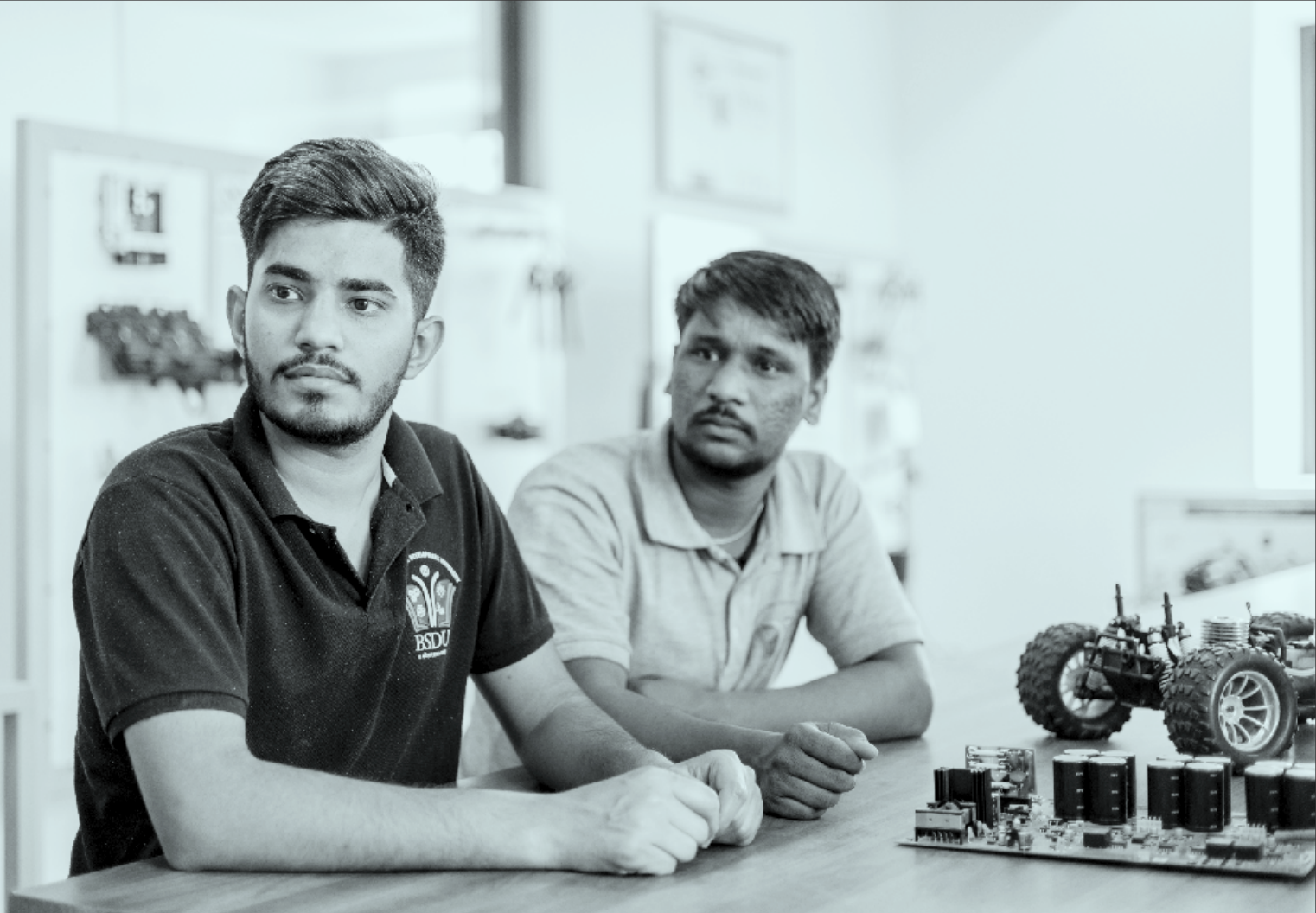
ADMISSION CLOSES ON:

15th May, 2024
(Round-1)

18th June, 2024
(Round-2)

22nd July, 2024
(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
Automotive Skills (Industry Integrated)	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	Semester 3
<ul style="list-style-type: none"> ■ Applied Mathematics ■ Automotive Measurement and Technical Drawing ■ Automotive Chassis Service-I ■ Automotive Powertrain Fundamentals ■ Fundamentals of Auto Electrical and AC ■ Fundamentals of Automotive Body Works ■ Introduction to Automotive Paints I ■ Branch Course-I ■ Open Elective <p>General Education</p> <ul style="list-style-type: none"> ■ New Phase of Life ■ Dealing with Money ■ Partnership and Relationships ■ Labour Laws and Rights 	<ul style="list-style-type: none"> ■ Computer-Aided Design and Drafting ■ Introduction to Workshop Management ■ Electrical System in Automobile/Automotive Body Repair-I ■ Automotive Chassis Service-II ■ Automotive Engine System -I/Automotive Refinish Paint-I ■ Automotive Transmission/Automotive Colours and Applications ■ Introduction to Alternate Drive Vehicles/Material Joining Techniques ■ Branch Course-II ■ Open Elective <p>General Education</p> <ul style="list-style-type: none"> ■ Health and Well being ■ Education and Learning ■ Media and Communication ■ Cultural Diversity and Inclusion
Semester 2	Semester 4
Workplace Training-I	Workplace Training-II

Semester 5

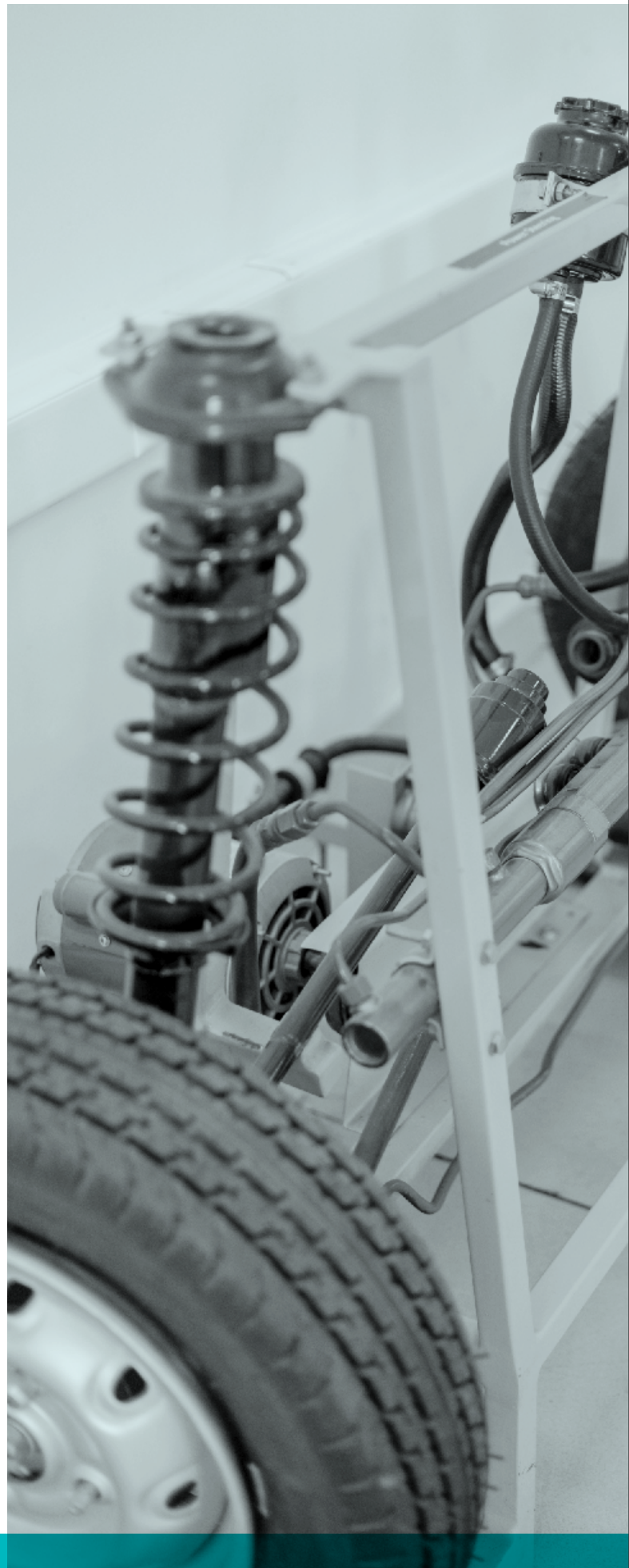
- Automotive Mechatronics and Assistance System/Automotive Body Repair-II
- Automotive Chassis Diagnosis and Repairs/Automotive Body Design and Dynamics
- Automotive Manufacturing Technology
- Automotive Engine System-II/Automotive Refinish Paint-II
- Hybrid and Electric Vehicles/Automotive Car Detailing
- Automotive Operation Management
- Project
- 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

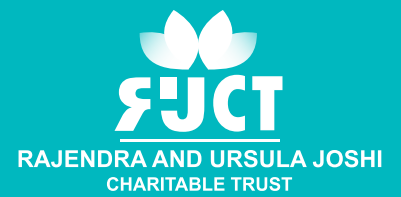
Student Name	Year of Passing	Salary/ Month	Name of Company
Ashok Prajapat	2020	Rs. 40,000	KTL Automobile Pvt. Ltd.
Sumit Poonia	2020	Rs. 45,000	Kiran Automobile

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



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