

Campus

Jagan Nath University, Bahadurgarh is located at Bahadurgarh-Jhajjar Road, State Highway 22, District Jhajjar, NCR, Haryana.

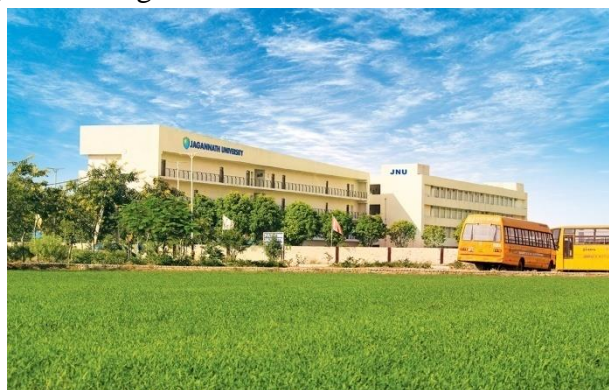
The University buildings are sprawling spread over 26 acres. Between each building there are sizable lush green lawns to provide ambience and aesthetics to the university campus.

The University campus is well developed having all the latest facilities and modern amenities to support high quality education. The academic blocks are well equipped with fully furnished lecture halls, tutorial rooms, computer center, labs, library, seminar rooms, conference halls, etc. to facilitate conduct of courses in a befitting manner. The campus has facilities like hostels, canteen, cafe coffee day, stationery shop, medical room, transport and student activity centre.

A skill development centre has been established with appropriately designed labs and class rooms for effective teaching and hands on practice. The University has all round vigil and security, and the main gate is manned by security staff to facilitate the visitors to reach their desired spots in the University.

Appreciating the environment concerns and need for continuous supply of electricity and power, the University has installed solar plant for generation of solar energy for electricity.

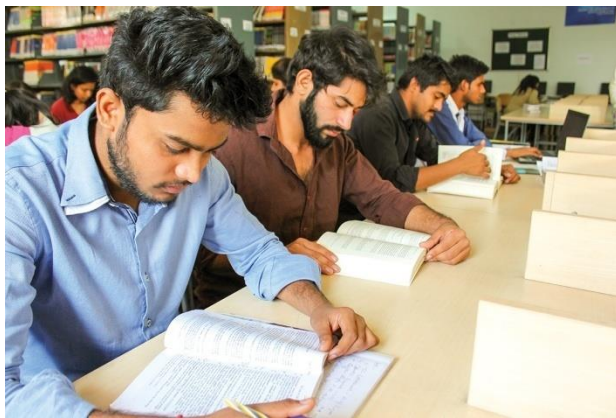
The University has established Agriculture Farm for training and research purposes. A Techno-Park is underway to provide students vocational training in allied agri-business.



Library

The library of JNUB is fully air conditioned with cozy and comfortable sitting arrangements for the readers. Carrel facility is also available for students, faculty and research scholars for intensive study of text without disturbance. The retrieval and location system of books is computerized.

The library is fully computerized having DELNET and MANUPATRA Membership. It is a veritable storehouse of information with ample number of text and reference books, national and international periodicals and journals, thesis and dissertations. The library has a special collection of prescribed text books called 'Book Bank'. The library provides the latest research and reference material in print and audio-visual formats along with the facility to refer to e-journals, CDs, Project Reports, Government Publications, Reports and Newsletters. The library is being strengthened through digitization to provide access to MOOC and other online courses. Keeping in mind the needs of the students, the multiple copies of the standard textbooks have been stocked.



Laboratories

The University has well equipped laboratories for teaching and research in all departments. The lab infrastructure is sound as well as safe. The safety measures and lab ethics are in place while conducting experimental work.

Students use lab resources to conduct experiments towards solving problems under the guidance of the faculty. The lab facilities are further extended by our outreach arrangements in the industrial sector developed through memorandum of understanding with Green Watts Ltd., NIIT, UR Services Pvt. Ltd., NSE, UDGAM incubation center and other JIMS group institutions located in New Delhi, Noida and Jaipur. Additionally, the Krishi Vigyan Kendra, Jhajjar being closer to the University can be visited for know-how and do-how for agriculture science students.

Program -wise Laboratories Available

Agriculture

1. Agriculture Chemistry and Soil Science Lab

This lab houses necessary equipments of plants, soil and water analysis as well as crop qualities.

2. Genetics and Plant Breeding lab

This lab deals with microscopic analysis of cell and chromosomes structure, pollen viability test, seed germination and seed viability test.

3. Seed Technology Lab

This lab deals with pollen viability test, seed germination and seed viability test etc.

4. Horticulture Lab

This lab deals with propagation of horticulture species through reproductive and vegetative propagation method using appropriate tools. Fruit storage and post-harvest processing is also demonstrated in this lab.

5. Agriculture Engineering Lab

The blow ups on various agriculture machine and implements are displayed specimen tools of agriculture implement for practical use in crop production and farm demonstration

6. Agronomy and Metrology Lab

Machinery and tools for crop production, methodology for fertigation and irrigation sowing , intercultural, harvesting, threshing are demonstrated also facilities for plant and soil analysis and blow up on Agrometeorology and forestry are demonstrated in this lab.

7. Plant Pathology Lab

This lab deals with plant diseases, their casual organisms and their microscopic studies; culturing in artificial media and their control measures.

8. Agriculture Economics Lab

This lab contains computer facilities for online Agri marketing, format for fixation of crop price based on input output ratio, maps of different Agro-ecological zones of India

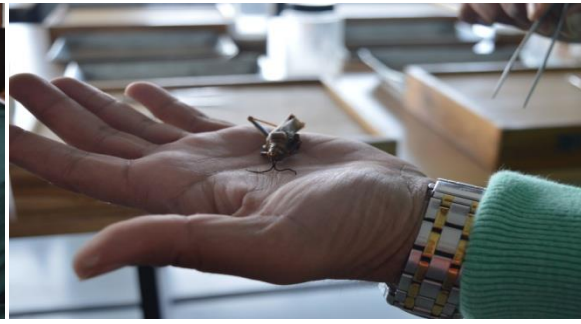
9. Agriculture Extension and Communication Lab

In this lab, houses the necessary gadgets for agri research and development, extension from lab to land through individual group and mass contact method, documentaries and social media

10. Entomology Lab

This lab deals with anatomy and functioning of crop insects, pests and their control measures.





Architecture

1. Environmental Lab

This lab is equipped with Equipments of temperature, fire gauge, hose reel, climate check are present for students of have a clear understanding of how to study the natural conditions before design the space.

2. Architecture Computer lab

This is computer lab where students learn Softwares like Auto cad, Revit, Google Sketchup, 3Ds max and Photoshop etc.

3. HVAC and Surveying Lab

This lab is equipped with survey equipments like plain table survey, chain survey etc. In this lab students learn techniques for measurement of distance, setting offsets, calculate area and volume using surveying instruments.

4. Material Museum

Various materials like types of glass, woods, tiles, hardware samples and sanitary samples are displayed in this lab for students.

5. Carpentry workshop

In this lab students are given hands on experience on various types of joints used in construction.

6. Model Making

Student's models are displayed of various semesters for subsequent batches to learn from them.

7. Art Room

Art work, sketching, painting and various other activities take place in the art room.



Education

1. Psychology Lab

This lab allows psychology students to collect data from human participants using the same resources as professional psychologists.

2. Art and Craft Lab

Art & Craft Lab is a place for experiments with creativity. The aim of this lab is to encourage the students to bring forth their innovative power; where various activities like waste material utilization, painting, toy making, wall hanging, pot decoration, flower arrangement candle making, chart & model making activities are promoted. Our students (future teachers) learn preparing & using teaching aids which will help them to improve their teaching methods.



Engineering

Civil Engineering

1. Surveying Lab

In this lab students learn appropriate methods of surveying based on accuracy and precision required availability of resources, economics and duration of project and learn techniques for measurement of distance, setting offsets, calculate area and volume using surveying instruments.

2. Transport Engineering Lab

The study of transportation engineering lab enables the students to study about aggregate test, pavement test, bitumen test etc. of roads.

3. Concrete Technology Lab

This lab trains students to perform tests on common construction materials such as concrete, cement, tiles etc. to determine the engineering properties in terms of strength, strain, fatigue, creep, elasticity, stiffness durability and workability of material.

4. Fluid Mechanics Lab

The objective of this laboratory is to study about determination the various parameters related to fluid flow in pipes and in open channels.

5. Soil Mechanics Lab

This lab enables students to learn about different tests of soil. Tests of soil includes moisture content, specific gravity, situ density, liquid limit, shrinkage limit, shearing strength and grain size etc.

6. Structure Analysis Lab

This lab helps to understand practical behavior of the physical structures like beams, different arches, roof truss etc. A proper structural analysis of these structures helps the students to solve the practical problems.

7. Environmental Lab

This lab provides study about different experimental methods relevant to Environmental Engineering. In this lab, various tests on drinker water and sewage samples to check pH value, total dissolved solids, BOD and COD, total suspended particles etc are performed.



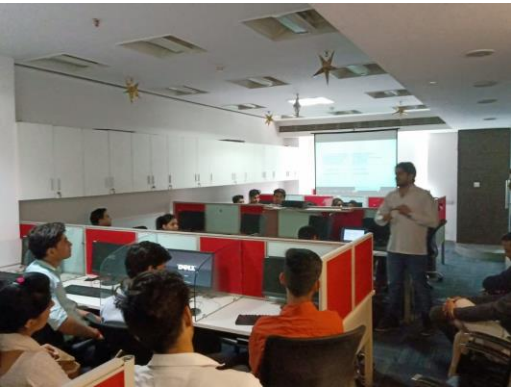


Computer Science and Engineering

Computer Labs (03)

JNUB has three computer labs having adequate numbers of computers with latest configuration and complementary appliances like LCDs, laser printers, combo drives, internet and wi-fi facility. The latest softwares relevant to various domains of design and engineering like MATLAB, AutoCad, SPSS, Image Analyzer, etc. are available in all the computers present in laboratories.





Electronics and Communication / Electrical

1. Basic Electronics Lab

Students study about introduction and use of measuring instruments like voltmeter, Ammeter, Multimeter, CRO, Function Generator, Logic gates, Resistance, capacitors, Half & Full wave rectifier, Transformers and soldering & desoldering.

2. Analogue Electronics Lab

Study of FET, Hartley oscillator, colpits oscillator, RC phase shift oscillator Astable, Bistable, Monostable multivibrator and Schmitt is done in analogue electronics lab.

3. Digital Communication Lab

In digital communication lab, study of ASK, PSK, FSK, QPSK, TDM, PCM modulation and demodulation are studied.

4. Analog Communication Lab

In this lab, study of square wave, AM, FM PAM, PWN, PPM, PPM, PAM ann PCM modulation and demodulation are studied.

5. Electrical Workshop and PCB Lab

Making/designing of electronic boards and plates is learned in this lab.

6. Microprocessor Lab

Design and function of microprocessor used in electronic devices is studied in this lab.

7. Optical Communication Lab

Study of optical fibers as communication media along with measurement of NA of a fiber, analog link of analog & audio signal and digital link is performed in this lab.

8. Antenna and Wave Propagation Lab

In this lab, study of half wave and quarter wave dipole, folded dipole, YAGI UDI multi dipole and other types of antenna are studies.

9. Electronics Measurement and Instrumentation Lab

Basic working of strain gauge, LVDT, Anderson, Maxwell and Weins Bridge, Digital storage CRO, Thermostats and Thermocouple Transducer is studied in this lab.

10. Electronic Devices and Circuit Lab

In this lab, V-I characteristics of P-N junction diode, V-I Characteristics of Zener diode, single stage amplifier, Diode as clipper & Clamper, Transistors etc are studied by the students of Electronics engineering.



1. Workshop

Workshop of mechanical engineering deals with manufacturing processes in theoretical as well as in practical with live demonstration of machine tools like CNC, lathe, Milling and Shaping etc.

2. Fluid Machine and hydraulic Machines Lab

It deals with flow characteristics and fluid properties. This is highly R&D region, where loss of energy is minimized during transportation of fluid.

3. Strength of Material Lab

In this lab strength of metals is measured along with metallic properties like elasticity, rigidity, Build Modules etc. of material.

4. Kinematics of Machines Lab

In this lab motion of different machines is studied in absence of force.

5. Dynamics of Machines lab

In this lab motion of different machines is studied in presence of force and inertia.

6. Engineering Mechanics Lab

In this lab, basics of engineering; where machine stress in terms of degree of Freedom is studied.

7. Automobile Engineering Lab

In automobile engineering lab we study about chassis of vehicle and mechanical parts like clutch, break system, steering system axle shaft etc. of automobile.

8. IC Engine Lab

This lab deals with study of structure and working of an internal combustion engine. The laboratory facilitates experimental based performance evaluations of a wide variety of IC engines using a wide variety of fuels

9. Heat Transfer Lab

This lab deals with study of Thermal conductivity of the material denoting the ease with which a particular substance can accomplish the transmission of thermal energy by molecular motion.

10. Material Science Lab

This Lab deals with study of different types of materials specially used in mechanical engineering.

11. Production Technology Lab

Production Technology lab deals with manufacturing processes in practical with help of machine tools like CNC, lathe, Milling and Shaping etc.





Law

1. Moot Court

Moot court is an extracurricular activity at JNUB, in which participants (students of law) take part in simulated **court** or arbitration proceedings, usually involving drafting memorials or memoranda and participating in oral argument.







Journalism and Mass Communication

1. Video Editing Lab

Editing of videos is learned and performed in this lab. This lab is equipped with MAC, Final cut pro and Adobe premiere Pro.

2. Television / Photo Lab

Lab is equipped with video camera, DSLR and studio light (03 point lighting system).

3. Photo / Graphic Designing Lab

Lab is equipped with computer system with necessary softwares like Photoshops, corel draw etc.





Pharmacy

1. Pharmaceutical Chemistry Lab

The students will be exposed to analyze the organic and inorganic compounds as per Pharmacopoeial Standards along with practical experience for synthesizing Active Pharmaceutical Ingredients etc.

2. Pharmaceutics Lab

The objectives of this lab are to provide practical exposure to the budding pharmacists on Physical Pharmaceutics, Manufacturing Operations, Preformulation Screening Tests, Designing Evaluation and Pharmacokinetic study of solid, liquid, semisolid dosage forms including Novel Drug Delivery Systems like ocular, nasal, transungual, transmucosal, translabial, transabhi, soft palatal drug delivery systems etc. which curtail the drug dose and minimizes the drug adverse reactions with excellent patient compliance.

3. Pharmacognosy Lab

The primary objective of lab is to provide practical exposure to Undergraduates and Research Students on Tissue Culture Techniques, Sterilization Techniques including Antibiotic Assay, Microbial Screening, etc.

4. Pharmacology Lab

In this laboratory classes, students learn how to handle animals and learn the pharmacokinetic principles. In addition, students investigate some of the responses of several drugs, ranging from dose–response studies to demonstration of selective antagonism. Also they learn about effects of drugs to understand autonomic pharmacology.

5. Practice Lab

The Pharmacy Practice Lab is used by students to practice and master in their field including general examination, drug compounding and preparation skills in various dosage forms, including the injectables before entering the workforce.

6. Human Anatomy Lab

Anatomical models of joints and skeletons are present in this lab to demonstrate in front of students during practical classes.



Physiotherapy:

1. Electrotherapy / Exercise Lab

Electrotherapy modalities like SWD, ISNS, Traction are present in this lab for the use of students during practical classes and for treatment of other patients.

2. Anatomy and Physiology Lab

Anatomical models of joints and skeletons are present in this lab to demonstrate in front of

students during practical classes.





Basic & Applied Sciences:

1. Physics Lab

Physics laboratory is a place where experiments of Physics are carried out. Physics is that branch of science where experimentation is an integral part of the core subject. Lab is equipped with necessary equipments.

2. Chemistry Lab

It is used for chemical experiments, analysis for practical and also for chemical reactions for the students of B.Sc. and B. Tech. Necessary instruments, apparatus and required chemicals are present in sufficient quantity in this lab.

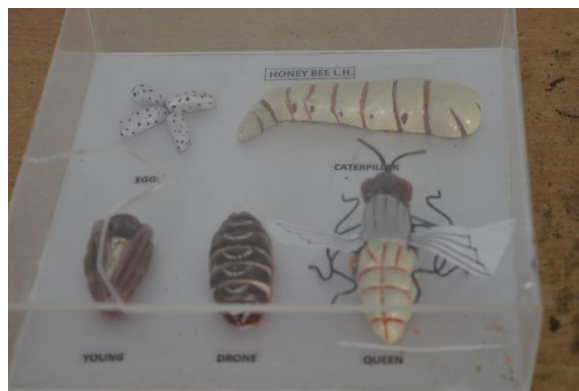
3. Botany lab

Lab is used for experiment and study of different type of plants and crop and also used to document plants species when it is not ideal to collect a physical sample of rare species. In the lab, students use microscope various staining techniques to examine sample

4. Zoology Lab

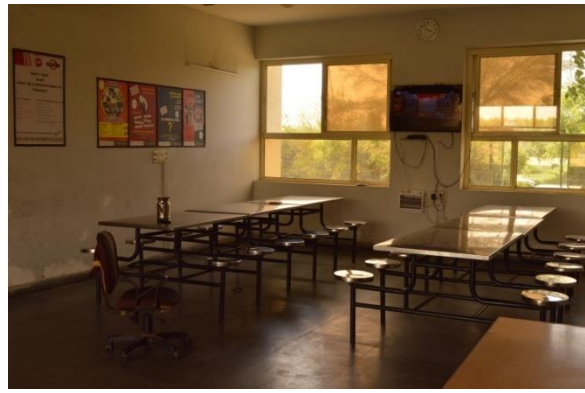
The purpose of Lab is to provide the students theoretical knowledge to help them learn scientific concepts and scientific methods to understand the Animal characteristics and species.





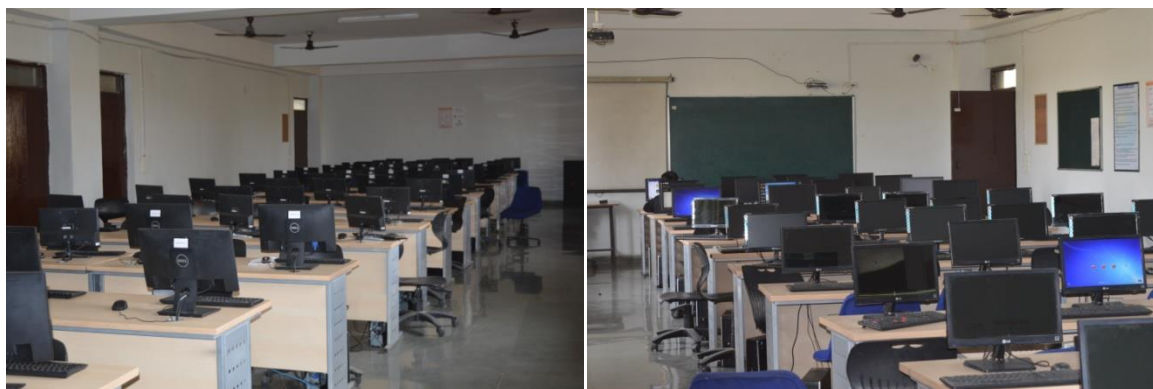
Hostels

The University has separate hostels for boys and girls. The hostel rooms are spacious, well furnished and are provided with 24 hours internet facility, electricity and water supply. Wi-fi facility for hostel residents is provided round the clock for easy access of information and studies. Gym facility is also available in hostels. Lush green lawns surround the hostel providing a healthy and clean environment. The atmosphere in the hostel is congenial for concurrent living. A round the clock security is enforced for constant vigilance and surveillance. Hostel Mess caters the nutritious and palatable food to students and is being run under the supervision and guidance of Hostel Warden.



Computer Centre

To catch up with the contemporary needs of Information technology, the University has established the state-of-the-art facility as computer center. The computer center has adequate numbers of latest configured computers and complementary appliances like LCDs, laser printers, combo drives, Web-Cam for video conferencing, interactive boards, internet and wi-fi facility for students and faculty. Adequate numbers of computers are available with personalized access of emails by faculty. The latest softwares relevant to various domains of design and engineering like MATLAB, AutoCad, SPSS, Image Analyzer, etc. are available.



Skill Development Centre

The vision of Jagan Nath University is to make higher education skill based through a pragmatic shift in blending traditional education with skill development to enable and empower youth of the country for better employability. For that matter, the skill development has become a thrust area in technical and professional education at Jagan Nath University, Haryana.

To complement the traditional teaching with sound hands on practice to enhance the employability of students through skill development, the JNUB has established a skill development center. The guiding gospels are in coherence with the vision and mission of the NSDC, the UGC and the State Government.

The University is launching B. Voc certificate, diploma and degree courses in 8 domains pertaining to various disciplines of engineering, management, media, law, agriculture and others in partnership and with the financial support of National Skill Development Corporation involving several industrial entities. The JNUB is striving to be a distinguished institution for skill development programs considering the employment needs of the masses and the requirements of the industry for trained manpower. The skill development activities are carried out under the expert guidance of successful absolvemnts from academia and industry. Following courses are run by JNUB under Skill Development Program:

S.No	Job Role	Level	Intake	Eligibility
1	Automotive Service Technicians	4	30	10 th
2	Repair – Welder	4	30	8 th
3	Repair Painter Auto body 4	4	30	10 th
4	Automotive Electrician Level 4	4	30	12 th
5	Lathe Operator	4	30	8 th
6	Surveyor	6	30	ITI/Diploma in civil / land
7	Senior Technician - Prestress	6	30	12 th
8	Asst Construction Painter &	2	30	5 th
9	Helper Electrician	2	30	10 th
10	Equity Dealer	4	30	12 th
11	Mutual Fund Agent	4	30	12 th
12	Life Insurance Agent	4	30	12 th
13	Goods & Service Tax Accts	4	30	Graduate in commerce or allied
14	Accounts Executive (Payroll)	4	30	Graduate in commerce or allied
15	Editor	4	30	10 th
16	Sound Editor	4	30	10 th
17	Animator	4	30	10 th

18	Character Designer	4	30	NA
19	Camera Operator	5	30	Graduate
20	Director of Photography	7	30	Graduate
21	Legal Associate	7	30	Bachelor's Degree in Law or any
22	Test Engineer	5	30	12th/ Diploma in relevant field/
23	Domestic Data entry Operator	4	30	10th
24	Junior Software Developer	4	30	10th
25	Consumer Energy Meter	3	30	8th
26	Electrician Domestic Solution	3	30	8th
27	Lineman Construction- Distribution	4	30	8th
28	Draughtsman - Mechanical	4	30	10th
29	CNC Operator - Turning	3	30	10th
30	Fitter Electrical and Electronic	3	30	Diploma(10+) - Electrical or
31	Service Engineer - Installation and	4	30	Diploma - Mechanical
32	Service Engineer	5	30	Diploma (CHM) Computer
33	Embedded Software Engineer	5	30	B.E. / B. Tech (Computer Science
34	CCTV Installation Technician	4	30	10th
35	Mobile Phone Hardware Repair	4	30	ITI
36	Solar Panel Installation Technician	4	30	10th
37	Field Technician Networking and	4	30	12th
38	IT Coordinator in School	4	30	Diploma polytechnic in

Agri Research Farm

Agriculture students are trained in all field operations to raise successful crops and to organize allied agriculture ventures to be self employed. The major focus of training is on providing enough scientific knowledge and practical exposure to students to mitigate the effects of abiotic stresses prevailing in this region and to bridge gaps between the existing and the realizable crop yields. The students are allotted plots to raise the crop by themselves under Earn While You Learn mode which will make them self reliant. Agri research farm activities are diversified to cover field crops, medicinal plants, fruit crops, vegetable crops and flowering plants using fresh water from canal to assess the effect of salinity using brackish water.

Agri Research Farm spreads over about 12 acres field to provide practical crop production training to students and research innovation facility for the faculty. The crop production practices, crop improvement, crop protection aspects of R & D pertaining to major crops of this area like cereals, pulses, oil seeds, fibre crops, horticultural crops, floriculture and agro forestry species are pursued.

The crop management practices to use saline and brackish water available from drain canal are being optimized.





Technology Park

State-of-the-art facilities for protected agriculture are under way. These shall include Net and Poly House, Water Reservoirs, Bio-Pesticide Production and Vermi-Compost facilities to provide students sound training on agri-enterprises for production of valuable plants and flowers which can fetch good price in the market. Earn While You Learn is a strong component of the strategy and

vision of JNUB to develop agri entrepreneurship among graduates.

The Technical Park of the University aims at educating students of JNUB as well as farmers of this region about the new technologies which are useful for sustainable agriculture targeting productivity and profitability for entrepreneurship. The Technical Park as well as research farms shall be the meeting point for the students and farmers for mutual learning.