Admission Prospectus
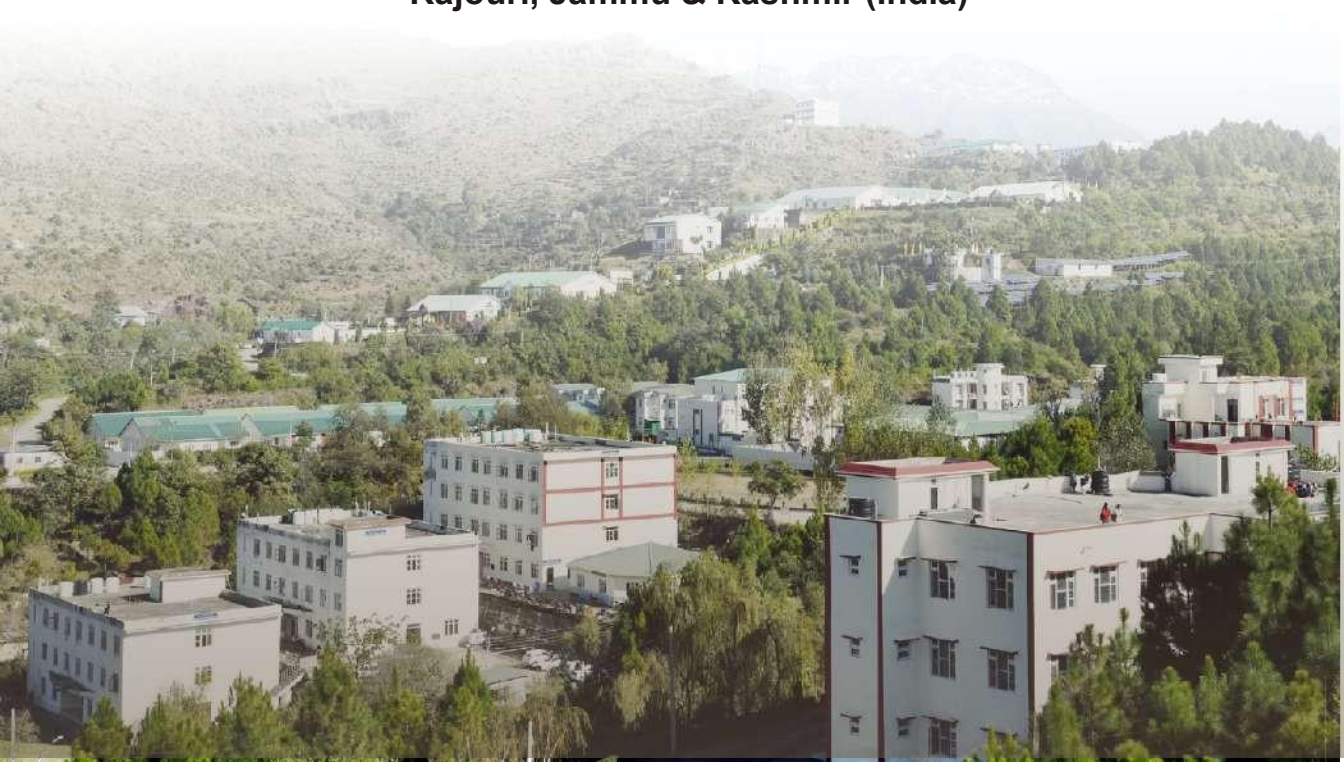
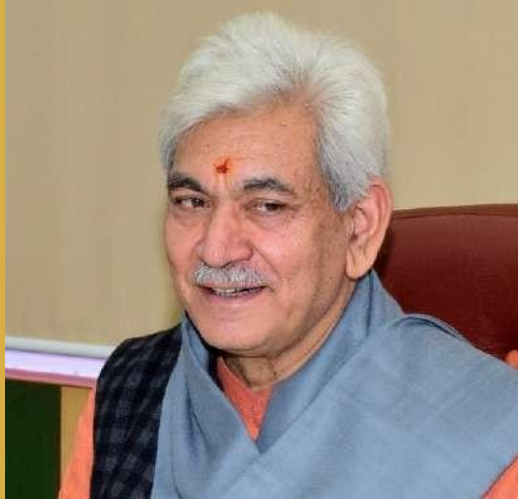**2024-25**

Baba Ghulam Shah Badshah University
Rajouri, Jammu & Kashmir (India)

Chancellor's Message

Sh. Manoj Sinha
Hon'ble Chancellor

Lieutenant Governor
Jammu & Kashmir

Raj Bhavan
Srinagar -190001

I am happy to learn that Baba Ghulam Shah Badshah University is going to start its new academic session with the admission of many young, inquisitive minds in the University.

Students are the most important component of a University system. Their academic health is the most reliable indicator of the strength of a University.

I believe that the admission process will be conducted in a transparent and panned manner, welcoming a large number of students to join for various courses being offered by the University. The focus should be on bringing together the local students pool along with promising talents from other regions.

I am confident that the academic session would bring many breakthrough developments in the academic field through quality education leading to excellence in all fields, and a purposeful and triumphant stay of the students.

I wish the faculty and incoming students a successful and accomplished year.

Sd/-
(Manoj Sinha)

Vice Chancellor's Message

As a comprehensive academic and research Institution, our vision is to serve as an economic, research and social catalyst that will become nationally recognized for student and academic success, embracing all students, including those from under represented categories.. We have structured our resources to soon become recognized as a national model of student success. With faculty and staff that are student-focused, mentors that provide individualized support and affordable degree programs designed for timely graduation, you will be proud to be alumnus of BGSBU.

Established in 2002, the University provides quality education, equipping students with the acumen to address both local and global challenges. Within the short span of its existence, the University has achieved remarkable success and continues to forge its future with new program initiatives: a modern curriculum, research endeavours, student engagement, professional training, faculty development, national / international collaborations, progress towards a state-of-the-art campus buildings, industry partnerships and much more. The aim of all these initiatives is to make transformative impact on students, faculty, industry and society.

The University community subscribes to the fundamental conviction that education is a catalyst for positive change and the cornerstone for building strong, resilient and enduring communities. The University also instills a spirit of inquisitive professionalism, social consciousness, and deep sense of civic conscientiousness interwoven with a yearning for transformative and impactful outcomes. It provides many opportunities to grow academically, intellectually, socially and as well-rounded human beings. In the process, critical thinking is emphasized, teamwork is promoted, technology awareness is instilled, new veins of knowledge are explored, multi-cultural awareness and empathy are developed, interpersonal competencies are fostered, practical life skills are honed, and an ethical perspective woven into its fabric.

Presently, the University is running 56 programmes and in a short span, the University has many achievements to its credit like organizing National and International Seminars at regular intervals; Research Workshops; Camps, etc., and a series of social outreach programmes. We have accomplished faculty with research papers in high impacted journals , extramural research projects and other academic achievements . We have nationally recognised teaching departments with liberal financial support (DST-FIST)

As Vice Chancellor, I am deeply committed to attracting students dedicated to academic excellence, top-notch research, and service to society. Enshrined as the University's objective, it is no less my endeavour to nurture and foster a rich academic and research environment in the University. It is my priority objectives to ensure that gender equity is promoted especially in the STEMM disciplines. Increases in Women representation in higher education and research is a much needed strategy that is globally envisioned to be an important cornerstone in comprehensive and inclusive progresses to be made in sciences and research in times to come.

In our mission to contribute to national development, BGSB University has a great potential to stand tall as a center of excellence that will be able to develop confident leaders, independent thinkers and creative entrepreneurs. We focus on professional development of our students in order to equip them with the knowledge and skills necessary to play a leading role in different sectors of the economy and polity.

The supporters of our University in terms of the Government of Union Territory of Jammu & Kashmir, as well as apex grant agencies of the country, as I understand, recognize that the investments made in students, community outreach programs and faculty research will boost our region's growth and prosperity.

Let me assure those who join the University that they shall not just be a student but an important member of the BGSBU family.

Sd/-
Prof. Akbar Masood
Vice Chancellor

Baba Ghulam Shah Badshah University

Vision

"Steady onward march for

human development

through Science and

Technology on one hand

and our national ethos

on the other"

Mission

"Work towards

preparing men and women who

are intellectual adventurers and

not camp followers; who are

architects of the future and not

curators of the past"

About the University

Schools of Studies

CONTENTS

Research

Important Information, Instructions & Rules

CONTENTS

The University

Established by the Government of Jammu & Kashmir through J&K Legislative Assembly Act No. XVI of 2002 and recognised by the AICTE and UGC, New Delhi, under sections 2 (f) &12 (B), Baba Ghulam Shah Badshah University is mandated to impart quality education in Science & Technology, Management, Arts, Social Sciences and Humanities and undertake research in basic and job oriented applied courses.

The University is located at the slopes of Dhanidhar hills, the southern peripheral part of the majestic Pir Panjal mountain range. The unique geographical location in rural setting offers ideal ambience for teaching and learning. The University campus is 9 Kms from Rajouri town (latitude 33° 23' N. longitude 74° 21' E.) at an altitude of 1,178 meters above the mean sea level. The climate of the place varies from subtropical to temperate. Frequent rains, occasional hailstorms and snowfall account for the moderate climate and serene atmosphere of the campus and its neighbourhood.

Special features of the University

- Serene, eco-friendly, pollution-free ambience ideal for pursuing knowledge.
- Residential character with on-campus housing facility for staff and students.
- DELNET facility for use by faculty and students.
- Emphasis on live projects and hands-on training.
- Training in communication skills and personality development.
- Full fledged Placement Cell to link job - seekers with job givers.
- Dedicated faculty and excellent adjunct faculty.
- Guest lectures by scholars from across the world.
- Regular seminars, workshops and conferences.
- Facilitation of grant of scholarships and Educational Loan to needy students.
- University Fellowships for Ph. D. programme.
- Strict adherence to Academic Calendar.
- Choice Based Credit System (CBCS) and Massive Open Online Courses (MOOCs) in place

Amenities for students:

- **Branch Offices:** Besides its main campus at Rajouri, the University also maintains branch offices at Jammu, Srinagar & Kishtwar for liaising with students of these divisions for facilitating their admission, counseling, entrance tests etc.

- **Internet:** All teaching departments are equipped with Internet facility which enables University teachers and scholars, to keep abreast with latest developments in their respective fields of specialisation.

- **Canteen:** The campus has canteens with provision for lunch, tea, soft drinks, snacks etc. Their upkeep, hygiene and quality of service are monitored strictly. The canteens keep open till late hours for benefit of scholars who work late in library and laboratories.

- **Co-curricular activities:** The hilly terrain of the campus provides ideal setting for trekking, hiking, rock climbing and allied activities. For overall personality development, students' participation in quiz programmes, singing, mimicry, debates, poetry recitation and similar other activities is encouraged. The University has a playground and dedicated Students Centre and Gym with provision for outdoor and indoor games.

- **Guest houses:** The university has 2 guest houses, one each at Jammu and Rajouri. While the first two cater to the faculty and University guests in transit, the one at the Campus is used as the Visitors lodge. The construction of one VVIP Guest House is in progress and shall be ready soon.

- **Shopping Mall:** The Campus shopping mall, called the 'Sab Rang Square', and the multi-purpose Student's Amenities Centre meet routine requirements of resident students, at reasonable rates.

- **Bank and Post Office:** A branch of the Jammu & Kashmir Bank with ATM facility has been established on the campus to facilitate bank transactions including educational loans for students. The students also avail the facility of post-office whose timing synchronizes with that of the University.

- **Health Centre:** The University maintains Health centre with qualified Medical Officer and technical & nursing staff. The services of the Doctor and Health centre are provided free to the University students round the clock. The Centre also runs a Pharmacy to cater to specific needs of the sick.

- **Transport facilities:** The University offers paid transport facility to students and University employees from Rajouri town to University Campus and back on first - cum - first -served basis. As a green campus initiative, the University also runs free of cost battery -operated vehicles in the campus.

- Those orphans, who have lost either both parents or the earning father and survived by a non-working mother, will be entitled to **100% waiver** in the tuition fee in any academic programme in which they are admitted at BGSBU.

- Those orphans, who have lost their earning father and are survived by a working mother, will be entitled to 80% tuition fee waiver.

- In order to incentivize the girl students, two girl's students in order of merit shall be given 50% concession in the tuition fee in all academic programmes / Post Graduate academic programmes with effect from the forthcoming academic session.

- All the Class IV employees of Baba Ghulam Shah Badshah University will be given concession in the tuition fee @ 50% to a maximum extent of two children admitted in any academic programme in BGSBU. However, this incentive will continue if their wards clear all the papers in one go in the previous semester / year of the examination.

- A monthly financial assistance to an amount of Rupees one thousand each (Rs. 1000/- each) in the form of scholarship will be given to the two eldest wards of any deceased employee of the University, the assistance shall continue till their schooling up to 12th standard.

Central Library

The Library works under the supervision of Library Committee of which Vice Chancellor is the Chairman. It is manned by professionals and combines the virtues of classical reading with 21st century technology. It keeps trying new ways to reach out to members to fulfill their information requirement.

Item	Total collection
Books Purchased	40317
Digital Documents	4313
Book received as Gifts (Gratis)	4335
Project Reports /Dissertations	3325
Newspapers	20
Journals & Magazines	86
M. Phil. / Ph. D. theses	180
Online Journals (OA Journals) DOAJ	16000 approx.

BGSB University Library is an Institutional Member of DELNET, a network of more than 7040 member libraries dispersed across the globe maintaining a bibliographical data base of more than 30 million documents which member Libraries can access on inter-library loan basis. With access to eight databases of UGC-Infonet along with access to J- Gate, the library members can access nearly 6000 online journals on varied subjects. The Ph.D. Doctoral degree awarded by the University can be accessed at Shodganga the repositories of Ph. D. theses maintained by UGC-INFLIBNET. Bibliographic details of the library holdings are maintained with DELNET and INFLIBNET and can be accessed globally at their respective sites. With the view to facilitate members to have access to some other important online sources of information, a good number of sources have been federated on the library website accessible at https://sites.google.com/site/clbgsbu/.

The Library extends Plagiarism detection services on Urkund software to Library Members. Of late, the library has switched over its automation and circulation services on KOHA software as well alongside SOUL Software which is also used to provide Online public access catalogue service.

Training & Placement Cell

The University has made training and placement integral parts of its educational programmes. For this purpose the University has fulfledged Placement Cell with a Training Placement Officer who organizes training activities round the year, coordinates with the corporate sector, prepares prospective job - seekers and facilitates Campus selection. Realizing the role the Placement Cell has been playing in making our product industry - ready and employable, the University is trying to expand and upgrade it to Centre for Employability Skills Development, with the long term aim of raising it into Skills Capital of Jammu & Kashmir. To make them employable students are imparted requisite knowledge in the area of their specialization, necessary skills and right aptitude (KSA). They acquire knowledge through formal teaching-learning process. Skills and aptitude are honed by professionals in skills development. The budding professionals are helped to become clear, correct and confident in their oral and written communication.

Key activities undertaken by the Centre

i.   Organizes Personality Enhancement Workshops, Group Discussions, Mock Interviews and other activities that prepare students for corporate sector.
ii. Provides career consultancy to students of non-professional streams.
iii. Organizes regular visits of students to industrial houses as part of Campus to Corporate programme.
iv. Arranges Campus recruitment for summer training which provides first hand knowledge about corporate world and prepares students for final placements.
v.   Assists students in getting on-the-campus placements by inviting national and multinational companies for on - campus interaction, interviews and selection.
vi. Organizes workshops on Rêsume writing.
vii. Some past recruiters of our product include Berkley Bank, IDBI, Fortis, ICICI, Kotak Mahindra, IBM, Perot Systems, JPH Technologies, Global InfoTech, L&T Infotech, Tech. Mahindra, Wipro, Tech. Aspect, Axis Bank, Bureau Veritas, Inficom Solutions, Aquatronics, SEBIZ, Surya Wires etc.
viii. Organizes on - campus and off - campus Placement Drives.

Reservation of Seats in UG & PG teaching programmes

S.No.	Categories	Reservation in %age
(i)	**Open Merit Category**	**50%**
(ii)	**Reserved Categories**	
	(a) Scheduled Caste (SC)	**8%**
	(b) Scheduled Tribe (ST)	**20%**
	i. *1. Bakarwal 2. Balti 3. Beda 4. Bot, Boto 5. Brokpa, Drokpa, Dard, Shin 6. Changp 7. Garra 8. Gaddi 9. Gujjar 10. Mon 11. Purigpa 12. Sippi; (existing list as per the Constitution (Jammu and Kashmir) Scheduled Tribes Order, 1989 and the Constitution (Scheduled Tribes) Order (Amendment) Act, 1991).*	10%
	ii.	
	iii. *1. Gadda Brahmin 2. Koli 3. Paddari Tribe 4. Pahari Ethnic Group, (added vide the Constitution (Jammu and Kashmir) Scheduled Tribes Order (Amendment) Act, 2024)*	10%
	(c) Socially and Educationally Backward Classes	**10%**
	i. Residents of Backward Areas	
	ii. Residents of Areas Adjoining Actual Line Control / International Border	**4%**
	iii. Other Backward Classes	**8%**
	(d) Children of Defence Personnel	1% Horizontal
	(e) Children of Para-military Forces and UT Police Personnel	1% Reservati
	(f) Candidates possessing Outstanding Proficiency in sports	1% on
	(g) Economically Weaker Sections (EWSs)	10%

- **The 25% reservation for the residents (Permanent Residents of Rajouri & Poonch) of the twin districts of Rajouri & Poonch in various academic programmes as in practice shall be continued. However, this 25% reservation shall be kept as supernumerary seats in all the Academic Programmes except B.Sc. Nursing and M. Sc. Biotechnology (Reservation in M.Sc. Biotechnology will be as per norms of the Ministry of HRD,GOI).**
- **If a candidate is eligible to apply for admission under more than one reserved category, he/she shall be required to choose (while submitting the online Application Form) only one Reserved Category under which he/she would like to be considered, which shall be final, and unchangeable.**
- **For wards of permanent employees of BGSB University 01 seat is reserved in each programme which is supernumerary i.e. Over and above the number of seats allotted to the course.**
- **The General Category seats for each Academic programme include seats allotted on Merit and those in the Reserved Categories.**

Span of the Teaching Programmes

(as per UGC Notification No: D.O. No.F.12-1/2015(CPP-II), dated, 15-10-2015)

1.	M.A. / M.Sc. / MBA	2 Yrs.	Max. 4 Yrs.
2.	MCA	2 Yrs.	Max. 4 Yrs.
3.	B.A. / B.Sc.	3 Yrs.	Max. 5 Yrs.
4.	B. Tech.	4 Yrs.	Max. 6 Yrs.
5.	Diploma Courses in :		
	(i) Front Office	1 Yr	Max. 3 Yrs.
	(ii) House Keeping	1 Yr	Max. 3 Yrs.
	(iii) Food & Beverage Services	1 Yr	Max. 3 Yrs.

Schools of Studies

- **School of Mathematical and Computer Sciences**
- **School of Material Sciences & Nanotechnology**
- **School of Engineering and Technology**
- **School of Management Studies**
- **School of Social Sciences**
- **School of Islamic Studies & Languages**
- **School of Education**
- **School of Biosciences and Biotechnology**
- **School of Nursing & Biomedical Sciences**
- **School of Healthcare and Pharmacy is on the anvil.**

School of Mathematical & Computer Science

Associate Dean : Dr. Ali Asghar Shah

Department of Computer Science

- **Integrated MCA**
- **MCA**
- **Advanced Diploma in Machine Learning**
- **Ph. D.**

Department of Information Technology

- **M. Sc. Information Technology**
- **Ph. D.**

Department of Mathematical Sciences

- **M. Sc. Mathematics**
- **Ph. D.**

Department of Computer Science

The Department of Computer Science imparts quality education and also conducts research in cutting edge technologies in Computer Applications. The Department has produced 14 batches of MCA so far. Many passouts are holding important positions in Information Technology industry in the country. Teaching is imparted through well-designed, industry-oriented curriculum which is right blend of class room teaching, lab work, guest lectures and software development projects. On account of its futuristic outlook, the MCA programme has earned recognition and obtained liberal grants from AICTE. The Department has also introduced Choice Based Credit System (CBCS) in which the students have a choice to choose from the prescribed courses. The basic idea is to look into the needs of the students so as to keep upto date with development in higher education in India and abroad. The CBCS aims to redefine the curriculum keeping pace with the liberalization and globalization of Education.

The Department has introduced five year Integrated MCA Programme apart from one year Advanced Diploma in Machine Learning. The Department also offers Ph. D. programme in emerging fields of Computer Science and runs short term Certificate courses in Hardware & Maintenance, Computer Networking, Dot Net Technologies and Java Programming. The Department has an efficient Computer Maintenance Wing (CMW) that provides technical assistance to all the Departments / Sections of the University.

The Department has state-of-the-art laboratories with high end blade servers & workstations and a 24- hours dedicated high speed optical fibre internet connectivity of 1Gbps bandwidth. The faculty is well qualified, dedicated and highly motivated. The students receive intensive training on latest and stand alone PCs and workstations, which, coupled with dedicated trainers, provides an ideal platform for producing competent Professional Software Developers, IT Managers and Computer Engineers for the IT-industry. Through the Training and Placement Cell, liaison is maintained with various government and industrial organizations to facilitate employment of the passouts, who are trained in communication skills, oral presentation, personality attributes and other requirements of the corporate world.

Academic Activities

- One week Faculty Development Programme on Cyber Security in Digital Era (FDPCSD-2021) organized by Department of Computer Sciences, Baba Ghulam Shah Badshah University, Rajouri, J&K from August 23rd , 2021 to August 27th , 2021.
- One Day Webinar on "Application of Cognitive Technologies in Insudtry 4.0" organized by Department of Computer Sceinces, BGSB University, Rajouri on 18th September 2021.
- One week Faculty Development Programme on Scientific Writing using Latex (FDP- Latex-2020) organized by Department of Computer Sciences, Baba Ghulam Shah Badshah University, Rajouri, J&K from October 5th , 2020 to October 9th , 2020.
- The faculty published research papers in various refereed journals and participated in conferences/seminars/workshops/refresher courses organized in this University and in other Universities of the country.
- AICTE recognized Short Term Course on 'Application development using Angular Java' through ICT organized by National Institute of Technical Teachers Training and Research, Chandigarh and conducted by Computer Sciences Department, Baba Ghulam Shah Badshah University, Rajouri, J&K from February 25th, 2019 to March 1st, 2019.
- Pass outs of the Department have found placements in CS Infotech (Chandigarh), HDFC Bank, Micro Web Technology, CS Soft Solutions, Universities & JPH Technologies.
- Many pass outs are placed in Higher Education Department and are working as Assistant Professors in various colleges of the J&K State.
- Many students have also cleared UGC NET/SLET Examination.

Integrated MCA

Integrated MCA programme is a five years prestigious program which is listed amongst AICTE approved programs. The course provides a sound practical skill that is required by leading software industries. This programme is streamlined in a way to meet the demand for qualified experts in the field of Computer Sciences. This programme is slanted more towards Application Development and has more accentuation on the most recent programming dialects and instruments to grow better and quicker applications. The main objective of the integrated programme is to eliminate any types of barriers among industry and academia. The Students enrolled for Integrated MCA have the option to exit after three years with BCA degree or continue and receive Integrated MCA degree.

Course Curriculum

Semester I
Course Code	Course Title
IMP 111	Mathematics - I
IMP 112	Communication Skills
IMP 113	Computer Fundamentals
IMP 114	Programming in C
Lab Courses	
IMP 161	Lab on IMP -113
IMP 162	Lab on IMP -114

Semester II
Course Code	Course Title
IMP 211	Mathematics - II
IMP 212	Environmental Sciences
IMP 213	Object Oriented Con. using C++
IMP 214	Internet Technologies
Lab Courses	
IMP 261	Lab on IMP-213
IMP 262	Lab on IMP-214

Semester III
Course Code	Course Title
IMP 311	Mathematics - III
IMP 312	Principles of Management
IMP 313	DBMS
IMP 314	Basics of Operating System
Lab Courses	
IMP 361	Lab on IMP-313
IMP 362	Lab on IMP-314

Semester IV
Course Code	Course Title
IMP 411	Mathematics - IV
IMP 412	Digital Electronics
IMP 413	Dot Net Technologies
IMP 414	Computer Networks
Lab Courses	
IMP 461	Lab on IMP-413
IMP 462	Lab on IMP-414

Semester V
Course Code	Course Title
IMP 511	Computer based Num.Analysis
IMP 512	Object Oriented Analysis & Design
IMP 513	Management Information System
IMP 514	Multimedia Applications
Lab Courses	
IMP 561	Lab on IMP-511
IMP 562	Lab on IMP-514

Semester VI
Course Code	Course Title
IMP 611	a. Dissertation
	b. Academic Project Seminar
	c. Project Viva - Voce

Semester VII
Course Code	Course Title
IMP 711	Discrete Mathematics
IMP 712	Comp. Org. & Architecture
IMP 713	Operating Systems
IMP 714	Software Engineering
IMP 715	Data & File Structures
Lab Courses	
IMP 761	Lab 1: C Programming
IMP 762	Lab 2: Data & File Structures
Non-Credit Course	
IMP 716	Mathematical Foundation

Semester VIII
Course Code	Course Title
IMP 811	Relational Database Manag. Sys.
IMP 812	Analysis & Design of Algorithms
IMP 813	Data Comm. & Comp. Networks
	Elective -I
	(Choice Based Open Elective) **Lab**

Courses
IMP 861	Lab 3: PL/SQL & LInux Essentials
IMP 862	Lab 4: Java Programming

List of Electives-I
IMP 815	Manag. Information System
IMP 816	Basic Accounting
IMP 817	Simulation & Modeling
IMP 818	Operations Research
IMP 819	Object Orien. Analysis & Design
IMP 820	Compiler Design
IMP 821	Web Mining
IMP 822	Software Testing
IMP 823	Multimedia using Flash
IMP 824	Linux Admin. & Open Source Soft.

Choice Based Open Elective Courses (One of the following)
Math 231	Math. Tools for Real World Prob.
IT 232	IT Soft Skills

Course Code	Course Title
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Lang.
UR 238	Fundamentals of Urdu Lang. & Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Comp. Applications & Operations
HT 245	Basics of Tour.& Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang. & Lit.
ECP 248	Introduction to Pahari Lang. & Lit.
ECK 249	Intro. to Kashmiri Lang. & Lit.
IS 250	Spirituality & Islam

Non-Credit Course

Course Code	Course Title
IMP 825	Soft Skills
JKCT 252	Culture & Traditions of J&K

Semester IX

Course Code	Course Title
IMP 911	Arti. Intelligence & Mach. Learning
IMP 912	Theory of Computation
IMP 913	Commuter Graphics
IMP 914	Web Technologies
	Elective -II

Lab Courses

Course Code	Course Title
IMP 961	Lab 5: Python Programming
MCA 962	Lab 6: Web Technologies

List of Elective - II

Course Code	Course Title
IMP 915	Data Warehousing & Data Mining
IMP 916	Wireless & Mobile Communication
IMP 917	Bio Informatics
IMP 918	Systems Software
IMP 919	Cryptography & Network Security
IMP 920	Big Data Analytics
IMP 921	Internet of Things
IMP 922	Natural Language Processing
IMP 923	Android Application Development
IMP 924	Research Methodology

Semester X

Course Code	Course Title
IMP 1011	Major Project (Industrial / Research)
	a) Proj. Problem Identi. & seminar
	b) Dissertation
	c) Presentation
	d) Viva-voce

Intake : 25

Eligibility for Admission

- 10+2 in any discipline.
- Candidates appearing in the Higher Secondary Part-II (12th) Examination and those whose result of the same is awaited can also apply provisionally.

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee Structure

   Rs 14,500/- for 1st to 6th semesters and Rs 22,600/- for 7th to 10th semesters to be paid at the start of the respective semesters.

Masters in Computer Applications (MCA)

Masters in Computer Applications (MCA) is full time, 4 semesters, resident programme. MCA degree is awarded to students who attend and pass 15 theory and 6 laboratory courses and undertake major project work in public or private sector institutions to acquire real-life practical training which helps them in finding proper placement. The course offers choice to students for selection of Elective courses in 2 Semesters.

Course Curriculum

Semester I

Course Code	Course Title
MCA 151	Discrete Mathematics
MCA 152	Computer Organization & Architecture
MCA 153	Operating Systems
MCA 154	Software Engineering
MCA 155	Data & File Structures

Lab Courses

MCA 181	Lab 1: C Programming
MCA 182	Lab 2: Data & File Structures

Non-Credit Course

MCA156	Mathematical Foundation

Semester II

Course Code	Course Title
MCA 251	Relational Database Management System
MCA 252	Analysis & Design of Algorithms
MCA 253	Data Communication & Computer Networks
	Elective -I (Choice Based Open Elective)

Lab Courses

MCA 281	Lab 3: PL/SQL & LInux Essentials
MCA 282	Lab 4: Java Programming

List of Electives-I

MCA 254	Management Information System
MCA 255	Basic Accounting
MCA 256	Simulation & Modeling
MCA 257	Operations Research
MCA 258	Object Oriented Analysis & Design
MCA 259	Compiler Design
MCA 260	Web Mining
MCA 261	Software Testing
MCA 262	Multimedia using Flash
MCA 263	Linux Administration & Open Source Software

Choice Based Open Elective Courses (One of the following)

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Language
UR 238	Fundamentals of Urdu Language & Literature
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Comp. Applications & Operations
HT 245	Basics of Tourism and Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Language & Literature
ECP 248	Introduction to Pahari Language & Literature
ECK 249	Introduction to Kashmiri Language & Literature
IS 250	Spirituality & Islam
JKCT 252	Culture & Traditions of J&K

Non-Credit Course

MCA 264	Soft Skills

Semester III

Course Code	Course Title
MCA 351	Artificial Intelligence & Machine Learning
MCA 352	Theory of Computation
MCA 353	Commuter Graphics
MCA 354	Web Technologies
	Elective -II

Lab Courses

MCA 381	Lab 5: Python Programming
MCA 382	Lab 6: Web Technologies

List of Elective - II

MCA 355	Data Warehousing & Data Mining
MCA 356	Wireless & Mobile Communication
MCA 357	Bio Informatics

MCA 358	Systems Software
MCA 359	Cryptography & Network Security
MCA 360	Big Data Analytics
MCA 361	Internet of Things
MCA 362	Natural Language Processing
MCA 363	Android Application Development
MCA 364	Research Methodology

Semester IV

Course Code	Course Title
MCA 451	Major Project (Industrial / Research)
	a) Project Problem Identification & seminar
	b) Dissertation
	c) Presentation
	d) Viva-voce

Intake   :   35

Eligibility for Admission

- Bachelors' degree (10+2+3 pattern) in any discipline or any other degree recognized equivalent thereto from a recognized university.

- Candidates appearing in the Final year of the qualifying examination and those whose result of the same is awaited, can also apply provisionally.

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee Structure

Rs 22,750/- per semester to be paid at the start of the respective semester.

Doctoral Programme

The Department runs Ph. D. programme in Computer Sciences. For details regarding admission to these programmes, refer Chapter Research programme of Admission Prospectus. At present, research is being carried out in the fields of Data Sciences, Machine Learning, Natural language Processing, Wireless Sensor / Adhoc Networks and Internet of Things. The Department has produced five Ph. D.'s. Admission to Ph. D. Programme will be notified subject to availability of seats.

Faculty	Designation	Qualification
• Prof. Mohd Asger • Dr. Qamar Rayees Khan • Dr. Majid Bashir Malik • Dr. Sanjay Jamwal • Dr. Gulfam Ahamad • Dr. Aadil Ahmad Lawaye • Ms. Parveen Rana • Dr. Mohd. Naseem	**Head of the Department**	M.Sc., M.Tech., Ph.D. MCA, Ph. D. MCA, Ph. D. MCA, M. Phil., Ph. D. MCA, Ph.D.(GATE, MANF-JRF) MCA, Ph.D. MCA (NET) MCA, Ph.D.(GATE,ISM-JRF)

Invited Guest Faculty

- Prof. Naseeb Singh Gill — Head, Deptt. of Computer Sciences & Applications, Maharashi Dayanand University, Rohtak - Haryana
- Prof. Aquil Ahmed — Deptt. of Statistics & Operations Research AMU, Aligarh
- Prof. Vinod Sharma — Deptt. of Computer Sciences & IT, JU, Jammu
- Dr. P. S. Rana — Deptt. of Computer Sciences & Engineering,Thapar University, Patiala
- Dr. Baijnath Kaushik — Deptt. of Computer Sciences & Engineering, SMVDU, Katra

Advanced Diploma in Machine Learning

The Department has started one year advanced Diploma course in Machine Learning. This course is designed keeping in view the need of industry to employ the personnel with in-depth knowledge and skills required by Machine Learning fields around the globe. The emphasis is on machine learning algorithms and applications, with some broad explanation of the underlying principles, pertaining the requirements of the IT industry and R&D. It will provide a comprehensive knowledge about the fundamental Principles, Methodologies and Industry practices in Machine Learning.

Advanced Diploma in Machine Learning is a two semester whole time programme and offers choice to students for selection of Elective courses both in theory and laboratory courses in second semester. This Advanced Diploma will be awarded to students who pass 04 theory, 03 laboratory courses and a minor project work.

Course Curriculum

Semester I

Course Code	Course Title
ADML 111	Linear Algebra & Statistical Analysis for Machine Learning
ADML 112	Principles of Machine Learning
Lab. Courses	
ADML 151	Machine Learning with Python (Python Programming Lab.)
ADML 152	Machine Learning with R (Programming Lab.)

Semester II

Course Code	Course Title
ADML 211	Advances in Machine Learning
Elective*(Opt. any one)	
Lab. Courses	
ADML 251	Lab. 3 Minor Project
Elective**	**(Opt. any one)**

Elective* (Opt. any one)

Course Code	Course Title
ADML 212	Big Data Analytics
ADML 213	Natural Language Processing
ADML 214	Machine Learning for Health Care
ADML 215	Machine learning for Agriculture
ADML 216	Artificial Neural Networks

Elective** (Opt. any one)

Course Code	Course Title
ADML 252	Machine Learning using WEKA
ADML 253	Machine Learning using MATLAB
ADML 254	Machine Learning using SAS (Statistical Analysis Software)
ADML 255	Scala Programming
ADML 256	Ruby Programming
ADML 257	Advanced Java Programming

Intake   :   10

Eligibility for Admission

- B.E. / B.Tech. / B.Sc. (IT / Computer Science / Electronics / Electrical), BCA.
- 3 - Year Diploma (IT / Computer Science / Electronics).
- PGDCA, DOEACC A, B, C level or equivalent.

Selection shall be made on the basis of the total marks secured by the candidates in qualifying examination.

Fee Structure Per Semester : Rs. 5,400/-

Note: Above programme will run if, the minimum number of students admitted is at least 05.

Department of Information Technology

The Department of Information Technology is a flagship Department under the School of Mathematical & Computer Sciences having an up-to-date curriculum, well trained faculty and excellent infrastructure. The Department is committed to develop highly skilled Information Technology (IT) professionals, capable of meeting the ever-changing and increasing needs of the IT industry.

The Department is presently offering a two year Post Graduate programme leading to the Master's Degree in Information Technology (M. Sc. IT). It prepares skilled human resource in such prime areas as Systems Administration, Web based Technology, E-Business etc. So far, the Department has produced 11 batches of M. Sc. IT and most of them are highly placed in Government & reputed organizations within and outside India. Every Masters level student is required to pass 16 theory and 6 Lab. Courses. The final semester includes project work which provides exposure to real-life practical training to young learners, helps them adjust to corporate working and prepares them for finding suitable placements.

The outlook of the students is improved by training them in Soft Skills, Oral expression and such other traits as are essential for corporate working. This part of the programme is handled by professionals in the University Placement Cell which is supplemented by external support from time to time.

All laboratories of the Department are linked through wired and wireless Networking. Computing facility and Internet Services are available round the clock. The Department maintains well equipped laboratories with high end workstations and blade servers for separate computing platforms enabling students to work with latest technologies. The Department plans to diversify and expand its activities in the years to come.

To boost research, the Department has been granted one Research Chair in the name of Maulana Azad Chair for Advancement of Information Technology in Rural India.

Academic Activities

- Research Programmes leading to Ph.D. in Information Technology which are the first ever Research Programmes in Information Technology by any University in the J&K State.

- National Seminar on Advancement in Computing & Informatics (Webinar) July, 2020.

- Organized National Seminar on Data Sciences & Artificial Intelligence.

- Faculty members and research scholars have published their research work in various reputed Journals with high impact factor and Conferences.

- National Seminar on Advancement in Computing & Informatics (Webinar) July, 2020.

- Artificial Intelligence and Machine Learning- Emerging trends and Applications (Webinar) Oct, 2021.

Course Curriculum

Semester I

Course Code	Course Title
MIT 151	Programming & Problem Solving using C
MIT 152	Operating System
MIT 153	Discrete Mathematics
MIT 154	Digital Electronics

Lab Courses

MIT 181	C-Programming Lab
MIT 182	IT Skills Lab

Semester II

Course Code	Course Title
MIT 251	Data Structures
MIT 252	Object Oriented Prog. with Java
MIT 253	Data Comm. & Networking

Choice Based Open Elective Courses (Any one of the following)

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Lang.
UR 238	Fundamentals of Urdu Lang.& Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer Appl. & Operations
HT 245	Basics of Tourism &Travel Agencies
Mgt 246	Business Communication

ECG 247	Introduction to Gojri Lang.& Lit.
ECP 248	Introduction to Pahari Lang.& Lit.
ECK 249	Introduction to Kashmiri Lang.& Lit.
IS 250	Spirituality & Islam
JKCT 252	Culture & Traditions of J&K

Lab Courses

MIT 281	Data Structures Lab
MIT 282	Java Programming Lab

Semester III

Course Code	Course Title
MIT 351	Database Management System
MIT 352	Mobile Computing & Development
MIT 353	Software Engineering

Choice Based Complementary Elective Courses (Any one of the following courses)

MIT 354	Information Security
MIT 355	IT Infrastructure Management
MIT 356	Data Mining

Lab Courses

MIT 381	DBMS Lab
MIT 382	Mobile Development Lab

Semester IV

Course Code	Course Title
MIT 451	Artificial Intelligence
MIT 452	Web Technologies
MIT 453	Python Programming
MIT 457	Project Work

Choice Based Complementary Elective Courses (Any one of the following courses)

MIT 454	Computer Forensics
MIT 455	Cloud Management
MIT 456	Web Mining

Intake : 25

Eligibility for Admission

- Bachelors' degree (10+2+3 pattern) in any discipline or any other degree recognized equivalent thereto from a recognized University.

- Candidates appearing in the final year of the qualifying examination and those whose result of the same is awaited, can also apply provisionally.

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee Structure

Rs 22,750/- per semester to be paid at the start of the respective semester.

Doctoral Programme

The Department has introduced Ph. D. Programme in Information Technology from 2016, leading to Ph.D. in Information Technology, first ever started by any University in the J&K State. For details regarding admission to this programme, refer Chapter Research Programme of Admission Prospectus. Admission to Ph. D. Programme will be notified subject to availability of seats.

Faculty	Designation	Qualification
● Dr. Tasleem Arif	**Head of the Department**	MCA, Ph. D. (NET)
● Mr. Satish Kumar		MCA, M. Phil. (NET/SET)
● Mr. Ed Gowhar Hafiz Wani		MCA
● Ms. Zeenat Parveen		MCA
● Mr. Vishal Sharma		M.Tech.

Invited Guest Faculty

- ● Prof. Abdul Wahid   Dean, School of Computer Sciences & IT, MANUU, Hyderabad
- ● Prof. Vinod Sharma   Rector, Poonch Campus, University of Jammu
- ● Prof. Vijay Singh Rathore   Director, KARNI College, Jaipur, Rajasthan
- ● Prof. Rashid Ali   Deptt. of Computer Engineering, AMU Aligarh

Department of Mathematical Sciences

The Department of Mathematical Sciences is one of the five Departments that the University launched at its inception way back in the year 2005. The Department offers Post Graduate and Research Programmes.

The Post Graduate programme is of two years duration consisting of four semesters. The first three semesters are fully devoted to theory and lab. courses where as the fourth semester is partially devoted to execution of project work to train students in problem identification and solving. The Programme includes courses based on core areas such as Algebra, Topology, Functional Analysis, Complex Analysis, Measure Theory, Operator theory etc., on one hand and applied areas such as Differential Equations, Approximation Theory, Wavelets, Graph Theory, Theory of Relativity etc., on the other hand. The programme also includes some technical / skill based courses such as MATLAB, LATEX, SPSS, Communication, Accountancy etc., so that the students become capable of utilising the latest available technology as well.

The Department maintains rich library, which is being liberal funded by the National Board of Higher Mathematics, and a well equipped computer lab.

Masters in Mathematics

Semester I

Course Code	Course Title
MS 131	Topology and its Applications
MS 132	Techniques in Differential Equations
MS 133	Real Analysis
MS 134	Applied Numerical Analysis
MS 135	Computer Fundamentals and C-Programming
MS 136	Set Theory
MS 137	Lab Course on MS 135

Semester II

Course Code	Course Title
MS 231	Numerical Linear Algebra
MS 232	Functional Analysis with Applications
MS 233	Abstract Algebra with Applications
MS 234	Complex Analysis with Applications
MS 235	Elements of Accountancy

Choice Based Open Elective Course (Any one of the following)

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation

Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Language
UR 238	Fundamentals of Urdu Language & Literature
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
M CA 244	Computer Applications & Operations
HT 245	Basics of Tourism and Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Language & Literature
ECP 248	Introduction to Pahari Language & Literature
ECK 249	Introduction to Kashmiri Language & Literature
IS 250	Spirituality & Islam
JKCT 252	Culture & Traditions of J&K
Lab Course	
MS 236	Matlab.

Semester III

Course Code	Course Title
MS 331	Advanced Topics in Topology
MS 332	Theory of Operators
MS 333	Advanced Complex Analysis
MS 334	Environmental Science

Lab Course

Course Code	Course Title
MS 335	Lab course on LATEX

Choice based Complementary Electives (Students are required to choose any two of the following courses)

Course Code	Course Title
MS 336	Differential Geometry
MS 337	Number Theory
MS 338	Module Theory
MS 339	Wavelet Theory
MS 340	Calculus in Rn
MS 341	Abstract Measure Theory and Integration
MS 342	Theory of Partial Differential equation
MS 343	Graph Theory

Semester IV

Course Code	Course Title
MS 431	Dissertation/ Major Project
MS 432	Technical Communication
MS 433	Lab Course on SPSS

Choice Based Complementary Elective Courses (Any three of the following courses)

Course Code	Course Title
MS 434	Complex Dynamics
MS 435	Banach Algebras
MS 436	Advanced Functional Analysis
MS 437	Tensor Analysis and Riemanian Geometry
MS 438	Algebraic Topology
MS 439	Theory of Fields
MS 440	Spaces of Analytic Functions
MS 441	Algebraic Geometry
MS 442	Theory of Relativity
MS 443	Commutative Algebra
MS 444	Theory of Integral Equation
MS 445	Approximation Theory

Intake   :   65

Eligibility for Admission to the post graduate programme in Mathematics:

- Bachelors' degree of 10+2+3 pattern with Mathematics as one of the subjects or any other degree recognized equivalent thereto from any recognized university.
- Candidates appearing in the Final Year Examination of the qualifying degree or those whose result of the same is awaited, can also apply provisionally.

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee Structure

Rs 22,750/- per semester to be paid at the start of the respective semester.

Ph. D. Programme

The Department is running Ph. D. Programme (Mathematics / Applied Mathematics) with a view to promote original thinking and creativity among students. The procedure for admission and eligibility for admission to this programme are given in Chapter 'Research progamme'.

Faculty	Designation	Qualification
• Dr. Zaheer Abbas	**Head of the Department**	M. Phil., Ph. D. (NET-JRF)
• Dr. Javid Iqbal		M. Phil., Ph. D.
• Dr. Mudassir Rashid Lone		M. Phil., Ph. D.
• Ms. Shruti Gupta		M. Sc. Applied Mathematics
• Dr. Ram Singh		Ph. D
• Mr. Mohd Arif		M. Sc. AM, Pursuing Ph.D.
• Mr. Tanveer Ahmed		M. Sc. AM, Pursuing Ph.D.
• Mr. Naveen Kumar		M. Phil., Pursuing Ph.D.

Guest Faculty

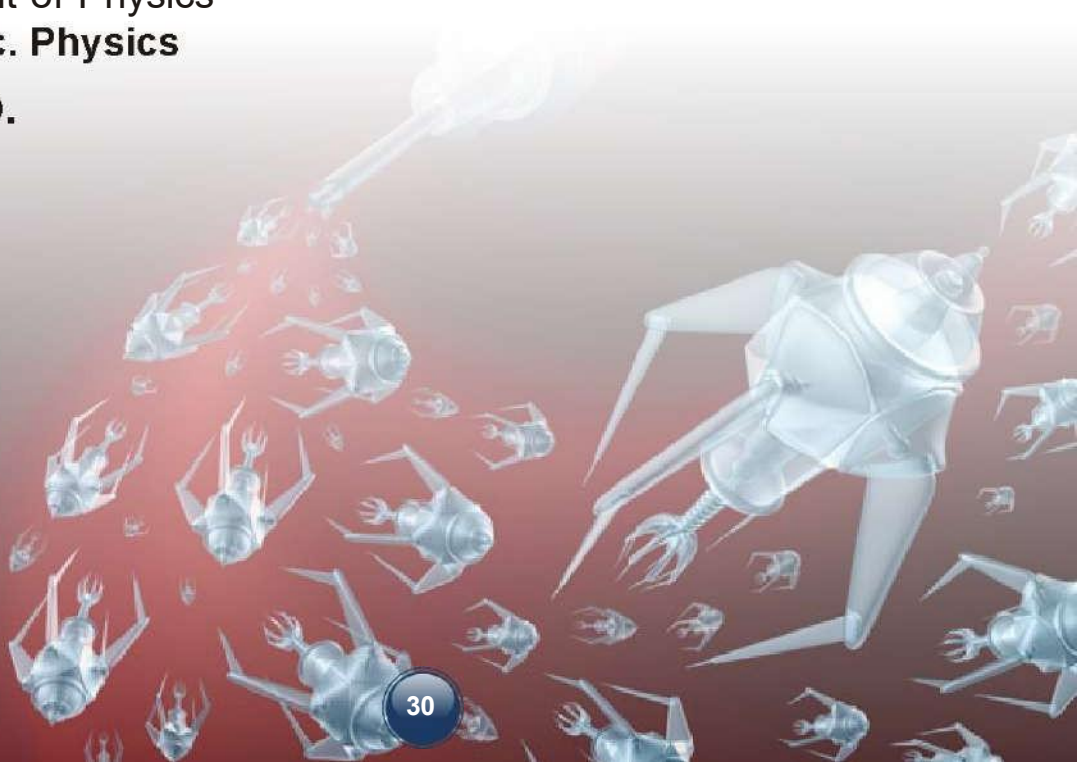|	
• Prof. M. Mursaleen	Aligarh Muslim University
• Prof. S. D. Sharma	Central University of Jammu
• Prof. A. P. Singh	Central University of Rajasthan
• Dr. Ajay Kumar	Head, of the Deptt.,Central University of Jammu

School of Material Sciences & Nanotechnology

Dean : Dr Ali Asghar Shah

Department of Physics
M. Sc. Physics
Ph. D.

Department of Physics

Physics is the natural science that involves the study of matter and its motion and behavior through space and time, along with related concepts such as energy and time. The boundaries of Physics are not rigidly defined. It intersects many interdisciplinary areas of research, such as biophysics and quantum chemistry. Physics makes significant contributions by advancing new technologies through theoretical breakthroughs. Understanding of electromagnetism and nuclear physics have led to the development of products, such as television, Computers, domestic appliances and nuclear weapons that have dramatically transformed modern-day society. Advances in thermodynamics led to industrialization and advances in mechanics inspired development of calculus.

In recognition of the role Physics has played and is likely to play in taking mankind forward, United Nations named 2005 the World Year of Physics.

The University has launched Masters programme in Physics to provide avenues of higher studies in Physics to graduates based out by colleges which are spread over the twin districts of Rajouri and Poonch in particular and the country as a whole.

Course Curriculum

Semester I

Course Code	Course Title
MPH 111	Classical Mechanics
MPH 112	Mathematical Physics
MPH 113	Numerical Methods & Prog.
MPH 114	Electronics
MPH 115	Quantum Mechanics - I
Lab Course	
MPH 116	Physics Lab -I

Semester II

Course Code	Course Title
MPH 211	Electrodynamics
MPH 212	Statistical Mechanics
MPH 213	Atomic and Molecular Spectroscopy
MPH 214	Quantum Mechanics - II
Lab Course	
MPH 215	Physics Lab-II

Choice Based Open Elective Course (The student is required to choose any one of the following))

Course Code	Course Title
Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Lang.
UR 238	Fundamentals of Urdu Lang.& Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Comp. Applications & Operations
HT 245	Basics of Tourism &Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang.& Lit.
ECP 248	Introduction to Pahari Lang.& Lit.
ECK 249	Introduction to Kashmiri Lang.& Lit.
IS 250	Spirituality & Islam
JKCT 252	Culture & Traditions of J&K

Semester III

Course Code	Course Title
MPH 311	Condensed Matter Physics -I
MPH 312	Nuclear Physics -I
MPH 313	Advanced Electronics and Applications-I
MPH 314	Condensed Matter Physics- I(Special)
MPH 315	Nuclear Physics -I (Special)
MPH 316	Advanced Electronics & Applications - I (Special)

Choice based Complementary Electives (Any one of the following)

Course Code	Course Title
MPH 331	Material Science & Characterization
MPH 332	Digital Signal Processing
MPH 333	Radiation Physics
Lab course	
MPH 317	Physics Lab - III

Semester IV

Course Code	Course Title
MPH 411	Condensed Matter Physics -II
MPH 412	Nuclear Physics -II
MPH 413	Advanced Electronics & Applications-II

MPH-414	Condensed Matter Physics-II (General)	Choice Based Open Elective Course (The student is required to choose any one of the following)	
MPH-415	Nuclear Physics - II (Special)	MPH 441	Nanoscience and Technology
MPH-416	Advanced Electronics & Application - II (Special)	MPH 442	Satellite Comm. & Remote sensing
		MPH 443	Astrophysics
		Lab Course	
		MPH 417	Project Work

Intake   :   35

Eligibility for Admission

- Bachelors' degree (10+2+3 pattern) with Physics as one of the subject or B.Tech. Civil / Electrical/ Electronics / Computer Science/ IT / Chemical / Mechanical Engineering.
- Candidates appearing in the final year of the qualifying examination and those whose result of the same is awaited, can also apply provisionally.

Procedure for Admission

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee Structure

Rs 22,750/- per semester to be paid at the start of the respective semester.

Ph. D. Programme

The Department has initiated Ph. D. Programme.

Faculty	Designation	Qualification
• Prof. Mohammad Asgar		M. Sc., Ph. D.
• Dr. Feroz Ahmad Mir	Coordinator	M. Sc., Ph. D.
• Mr. Majahid-Ul-Islam		M. Sc. NET-JRF, SET
• Dr. Rayees Ahmad Zargar		M. Sc., M. Phil., Ph. D.
• Dr. Muzaffar Iqbal Khan		M. Sc., M. Phil., Ph. D.
• Mr. Mohd Aasif Bhat		M. Sc., Ph. D. (Pursuing)

School of Engineering & Technology

Associate Dean : Dr Ali Asghar Shah
Principal COET : Dr Vishal Puri

University Polytechnic

- Department of Electronics & Communication
- Department of Electrical Engineering
- Department of Mechanical Engineering
- Department of Civil Engineering
- Lateral Entry to Diploma Engineering

B. Tech. Programmes

- Department of Civil Engineering
- Department of Computer Science & Engineering
- Department of Electronics & Communication Engineering
- Department of Electrical Engineering
- Department of Information Technology & Engineering
- Lateral Entry to B.Tech.

Ph. D.

- Department of Civil Engineering
- Department of Electrical Engineering
- Department of Electronics & Communication Engineering
- Department of Information Technology & Engineering

University Polytechnic

The University has unique distinction of having established the first Centrally funded Polytechnic in collaboration with the J&K UT Government. The need of Polytechnic was felt on account of non-availability of any such institute in the region at that time which could meet the great market demand for skilled middle level engineers. Many young school passouts who do not have the means or aptitude to pursue higher studies run from pillar to post in search of vocational training to acquire some skill for making a living. The skilled work force that the University Polytechnic is generating is meeting this demand.

The Polytechnic imparts technical education through Diploma courses in :

- Electronics & Communication Engineering
- Electrical Engineering
- Mechanical Engineering
- Civil Engineering

Each Diploma course is of 3 years duration, consisting of 6 semesters during which training is provided through classroom lectures, laboratory work and workshop practice. Hands-on training is imparted to students during Summer training and execution of project work during the last two semesters.

Vision

To emerge as a benchmark in offering technical education by producing professionals, capable to take up the challenges and serve the society for human development.

Mission

- To impart value based technical education.
- To develop a conducive for learning technical skills.
- To nurture students with quality education for carrying highest studies in Engineering.
- To prepare the students for self employment and Industry IV Revolution.

Course Curriculum for Diploma Engineering

The Curriculum of first two Semesters is mostly common to all four Streams. Diversification starts in Semester III.

Course Curriculum

Semester I

Course Code	Course Title
ECE/CE/ME/EE 101	English & Communication Skills - I
ECE/CE/ME/EE 102	Applied Mathematics - I
ECE/CE/ME/EE 103	Applied Physics - I
ECE/CE/ME/EE 104	Applied Chemistry - I / Electronics Components & Materials
ECE/CE/ME/EE 105	Engineering Drawing - I

Lab. Courses

Course Code	Course Title
ECE/CE/ME/EE 111	English & Communication Skills - I
ECE/CE/ME/EE 112	Applied Physics - I
ECE/CE/ME/EE 113	Basic Information Tech. /Applied Chemistry - I
ECE/CE/ME/EE 114	Engineering Drawing - I
ECE/CE/ME/EE 115	General Workshop Practice - I
ECE/CE/ME/EE 115	Student Centred Activities

Semester II

Course Code	Course Title
ECE/CE/ME/EE 201	English & Communication Skills-II
ECE/CE/ME/EE 202	Applied Mathematics - II
ECE/CE/ME/EE 203	Applied Physics - II
ECE/CE/ME/EE 204	Basic Electrical Engg. / Applied Chemistry - II
ECE 205	Basic Electronics
ECE/EE /ME205	Engineering Drawing - II

Lab. Courses

Course Code	Course Title
ECE/CE/ME/EE 211	English & Communication Skills-II
ECE/CE/ME/EE 212	Applied Physics - II
ECE/CE/ME/EE 213	Basic Electrical Engg. / Applied Chemistry - II / Basic Electronic
ECE/EE 214	
CE/ME/EE 214	Basics of Information Technology
ECE/ME/EE 215	Engineering Drawing - II
ECE/CE/ME/EE 216	General Workshop Pract.II
ECE/CE/ME/EE 217	Student Centred Activities

Electronics & Communication Engineering

Semester III

Course Code	Course Title
ECE 301	Electronics Instruments & Measurements
ECE 302	Principles of Communication Engg
ECE 303	Digital Electronics
ECE 304	Electronic devices & Circuits
ECE 305	Computer Prog. & Applications

Lab. Courses

Course Code	Course Title
ECE 311	Electronics Instruments & Measurements
ECE 312	Principles of Communication Engg.
ECE 313	Digital Electronics
ECE 314	Electronic devices & Circuits
ECE 315	Computer Prog. & Applications
ECE 316	Electronics design & fabrication Techniques
ECE 317	Ecology & Environmental Awareness Camp

Semester IV

Course Code	Course Title
ECE 401	Network filters & Transmission lines
ECE 402	Communication System - I
ECE 403	Power Electronics
ECE 404	Microprocessors
ECE 405	Generic Skills & Entrepreneurship Development

Lab. Courses

Course Code	Course Title
ECE 411	Network filters & Transmission lines
ECE 412	Communication System - I
ECE 413	Power Electronics
ECE 414	Microprocessors
ECE 415	Trouble Shouting of Electronic Equipment
ECE 416	Entrepreneurship Awareness Camp

Semester V

Course Code	Course Title
ECE 501	Consumer Electronics
ECE 502	Communication System - II
ECE 503	Instrumentation & Programmable Logic Controllers
ECE 504	Electrical Machines
ECE 505	Computer Organization & Networking

Lab. Courses

Course Code	Course Title
ECE 511	Consumer Electronics
ECE 512	Communication System - II
ECE 513	Electrical Machines
ECE 514	Computer Organization & Networking
ECE 515	Industrial Training
ECE 516	Personality Development Camp

Semester VI

Course Code	Course Title
ECE 601	Microwave & Radar Engineering
ECE 602	Wireless & Mobile Communication
ECE 603	Microcontroller & Embedded Sys.
ECE 604	Digital Signal Processing
ECE 605	Basics of Management

Lab. Courses

Course Code	Course Title
ECE 611	Wireless & Mobile Communication
ECE 612	Microcontroller & Embedded Sys.
ECE 613	Digital Signal Processing
ECE 614	Major Project Work
ECE 615	Student Centred Activities

Electrical Engineering

Semester III

Course Code	Course Title
EE 301	Fundamentals of Electrical Engg.
EE 302	Electronics - I
EE 303	Electrical and Electronics Engineering Materials
EE 304	Computer Prog. and Applications

Lab. Courses

Course Code	Course Title
EE 311	Fundamentals of Electrical Engg.
EE 312	Electronics - I
EE 313	Computer Prog. and Applications
EE 314	Electrical Engg. Design & Drawing
EE 315	Electrical Workshop Practice - I
EE 316	Ecology & Environmental Awareness Camp

Semester IV

Course Code	Course Title
EE 401	Electrical Machines - I
EE 402	Electrical Measuring Instruments & Instrumentations
EE 403	Electronics - II
EE 404	Estimating & Costing in Electrical Engineering
EE 405	Generic Skills & Entrepreneurship Development

Lab. courses

Course Code	Course Title
EE 411	Electrical Machines - I
EE 412	Electrical Measuring Instruments & Instrumentation
EE 413	Electronics - II
EE 414	P.C. Maintenance & Repair
EE 415	Electrical Workshop Practice - II
EE 416	Entrepreneurial Awareness Camp

Semester V

Course Code	Course Title
EE 501	Electrical Mechanics - II
EE 502	Electrical power - I
EE 503	Industrial Electronics & Control of Derives
EE 504	Digital Electronics and Microprocessors
EE 505	Energy Management

Lab. Courses

Course Code	Course Title
EE 511	Electrical Mechanics - II
EE 512	Industrial Electronics & Control of Derives
EE 513	Digital Electronics and Microprocessors
EE 514	Minor Project Work
EE 515	Industrial Training
EE 516	Personality Development Camp

Semester VI

Course Code	Course Title
EE 601	Utilization of Electrical Energy
EE 602	Programmable Logic Controllers (PLCs) & Microcontrollers
EE 603	Electrical Power - II

| EE 604 | Installation & Maintenance of Electrical Equipments |
| EE 605 | Basics of Management |

Lab. Courses
| EE 611 | Programmable Logic Controllers (PLCs) & Microcontrollers |

EE 612	Electrical Power - II
EE 613	Major Project Work
EE 614	Student Centred Activities

Mechanical Engineering

Semester III
Course Code	Course Title
ME 301	Thermodynamics - I
ME 302	Applied Mechanics
ME 303	Elements of Electrical & Electronics Engg.
ME 304	Workshop Technology - I
ME 305	Material Science

Lab. Courses
ME 311	Thermodynamics - I
ME 312	Applied Mechanics
ME 313	Elements of Electrical & Electronics Engg.
ME 314	Workshop Technology - I
ME 315	Material Science
ME 316	Mechanical Engineering Drawing - I
ME 317	Ecology & Environmental Awareness Camp

Semester IV
Course Code	Course Title
ME 401	Metrology and quality Control
ME 402	Thermodynamics - II
ME 403	Strengths of Materials
ME 404	Workshop Technology - II
ME 405	Generic Skills & Entrepreneurship Development

Lab. Courses
ME 411	Metrology and quality Control
ME 412	Thermodynamics - II
ME 413	Strengths of Materials
ME 414	Workshop Technology - II
ME 415	Mechanical Engg. Drawing - II
ME 416	Entrepreneurial Awareness Camp

Semester V
Course Code	Course Title
ME 501	Production Management
ME 502	Theory of Machines
ME 503	Hydraulics & Hydraulic Machines
ME 504	Manufacturing Technology

Lab. Courses
ME 511	Hydraulics & Hydraulic Machines
ME 512	Manufacturing Technology
ME 513	Computer Aided Drafting & Drawing
ME 514	Minor Project Work
ME 515	Industrial Training Vacations after 4th Semester
ME 516	Personality Development Camp

Semester VI
Course Code	Course Title
ME 601	CNC Machines & Automation
ME 602	Machine Design
ME 603	Refrigeration & Air Conditioning
ME 604	Automobile Engg.
ME 605	Basics of Management

Lab Courses
ME 611	CNC Machines & Automation
ME 612	Refrigeration & Air Conditioning
ME 613	Major Project Work
ME 614	Student Centred Activities

Civil Engineering

Semester III

Course Code	Course Title
CE 301	Fluid Mechanics
CE 302	Applied Mechanics
CE 303	Surveying - I
CE 304	Construction Materials
CE 305	Building Construction

Lab. Courses

Course Code	Course Title
CE 311	Fluid Mechanics
CE 312	Applied Mechanics
CE 313	Surveying - I
CE 314	Construction Materials
CE 315	Civil Engineering Drawing - I
CE 316	Ecology and Environmental Awareness Camp

Semester IV

Course Code	Course Title
CE 401	Concrete Technology
CE 402	Water Supply & Waste Water Engg.
CE 403	Surveying - II
CE 404	Structural Mechanics
CE 405	Generic Skills & Entrepreneurship Development

Lab. Courses

Course Code	Course Title
CE 411	Concrete Technology
CE 412	Water Supply & Waste Water Engg.
CE 413	Surveying - II
CE 414	Structural Mechanics
CE 415	Civil Engineering Drawing-II
CE 416	Entrepreneurial Awareness Camp

Semester V

Course Code	Course Title
CE 501	Reinforced Concrete Design
CE 502	Highway Engineering
CE 503	Railways, Bridges and Tunnels
CE 504	Soil and Foundation Engineering
CE 505	Irrigation Engineering

Lab. Courses

Course Code	Course Title
CE 511	Highway Engineering
CE 512	Soil and Foundation Engineering
CE 513	Computer Applications in Civil Engg.
CE 514	Survey Camp
CE 515	Minor Project Work (Industry oriented)
CE 516	Personality Development Camp

Semester VI

Course Code	Course Title
CE 601	Steel Structures Design
CE 602	Earthquake Resistant Building Construction
CE 603	Quality Surveying & Valuation
CE 604	Construction Management & Accounts
CE 605	Repair and Maintenance of Buildings

Lab. Courses

Course Code	Course Title
CE 611	Structural Drawing
CE 612	Major Project Work
CE 613	Student Centred Activities

Faculty

Civil Engineering
Mr. Mustafa Ahmed
Mr. Showkat Maqbool
Mr. Furqan A Khan
Ms. Amjad Hussain Shah

Electrical Engineering
Mr. Mohd Rafiq
Mr. Shivinder Mehta
Dr. Neetan Sharma
Ms. Sidra Fayaz

Electronics & Communication Engineering
Mr. Amit Dusgotra
Mr. Manik Groach
Ms. Nisha Gupta
Ms Shewta Gupta

Mechanical Engineering
Dr. Ayaz Ahmed
Mr. Farooq Ahmed
Mr. Shakoor Ahmad
Mr. Zahoor Ahmed

Applied Sciences
Dr. Tanveer Ahmed
Mrs. Rafia Khatoon
Dr. Azhar Mirza
Mr. Mudassir Hussain
Dr. Neha Khajuria

Intake in each stream : 60

Eligibility for Admission

- Secondary School (Matriculation) Certificate from any recognized Board of School Education.
- Candidates appearing in the qualifying examination and those whose result of the same is awaited can also apply provisionally.

Procedure for Admission

- Admission to Diploma Engineering courses for University quota shall be made on the basis of Merit in the qualifying examination.

Fee Structure

In each stream, 40 seats shall be filled as per the fee decided by Government of JKUT and 20 seats shall be filled as per University Fee @ Rs 4,600/- per semester to be paid at the start of the respective semester.

Lateral Entry to Diploma Engineering

The University offers lateral admission to Diploma Engineering in 3rd semester to Industrial Training Institute (ITI) passouts in the following streams :

- **Civil Engineering**
- **Electrical Engineering**
- **Mechanical Engineering**
- **Electronics & Communication Engineering**

Eligibility for Admission : 10th pass with two years ITI Course in the relevant or allied branch or 12th pass with Physics, Chemistry & Mathematics / Biology (Medical / Non Medical).

S.No.	10th Pass + 2 years ITI experience	Desired Branch
1.	Draftsman Civil, Building Constructor (ITI Mason)	Civil Engineering
2.	Draftsman Electrical	Electrical / ECE
3.	Draftsman Mechanical / Fitter / Instrument Mechanic / Machinist / Mechanic Refrigeration and Air conditioner / Turner / Mechanic Motor Vehicle	Mechanical Engineering
4.	Electrician / Electronic Mechanic / Information Technology & Electronics System Maintenance / Mechanic Medical Electronics / Mechanic Consumer Electronics / Mechanic Industrial Electronics	E&C Engineering / Electrical Engineering
5.	Mechanic Radio and TV / Mechanic Computer Hardware	E&C Engineering
6.	10 + 2 pass (Medical / Non Medical)	Any appropriate Branch

Procedure for Admission : The admission shall be made on the basis of marks secured in qualifying examination.

Intake: Number of vacant seats out of total sanctioned intake of 60. In case there are no vacant seats available the 15% of total sanctioned intake, which will be 15% of 60 = 9.

Fee structure: Course fee will be the same as charged from 3rd semester students initially admitted in the year 2023 under BGSBU.

Vision

➢ To impart technical education and promote state-of-the-art research through cutting edge technologies that produce competent engineers and scientists of the contemporary world to serve the society while upholding the national Ethos.

Mission

➢ To Create a learning ambience that stimulate the students to enhance and improve their educational experience and technical skills in order to prepare them to work in a globally competitive environment in coherence with the national Ethos.

➢ To impart students with knowledge and skills and inculcate values that will enable them to excel in continuously changing world. The intent is to prepare each student realize his/her full potential as a human being.

➢ To provide state-of-the-art research and academic facilities to attract and retain qualified and competent faculty for enrichment of research and academic activities.

B. Tech. Programme

The University trains young men and women for careers in engineering. It offers learning environment to nurture talent and endeavors to promote innovation and develop professionalism in students. The School comprises five Engineering Departments which are listed below. All these are striving to become Centres of excellence by initiating research and promoting consultancy services.

- Department of Civil Engineering
- Department of Computer Science & Engineering
- Department of Electronics & Communication Engineering
- Department of Electrical Engineering
- Department of Information Technology & Engineering

The B. Tech. programmes of the University aim at generating technology enabled trained manpower to serve as engineers and successful entrepreneurs. Such gainfully employed young men and women will usher in economic transformation in the state. All B. Tech. programmes are approved by the All India Council of Technical Education (AICTE). Besides the general amenities available to all University students, the School of Engineering & Technology offers some extra amenities to its students which include:

Facilities Available:

School Library: The library has a large collection of engineering books, journals and newspapers. A separate Book Bank has been established which provides prescribed text books to students, particularly those belonging to socially disadvantaged classes.

Hi -Tech. Class rooms and Labs: Class rooms have latest infrastructure such as digital devices, OHP, etc. required for presentations. All laboratories are fully equipped for carrying out prescribed lab. work. The laboratories are modernized and at par with the expectations of the industry.

State-of-the-art Smart Class Rooms: In order to conduct on-line teaching programmes based on MOOCs courses, the college has established state-of-the-art smart class rooms equipped with wi-fi enabled interactive boards and video conferencing facilities.

MOOCs: Each student has to compulsorily pass two non-credit massive open online courses (MOOCs) under SWAYAM platform during four-year Engineering programme.

Industrial Relations: In order to focus on interaction with industry, an exclusive cell, called the Industry Institute Partnership Cell, has been set up which is the focal point of sustained relationship with industry for:

- ➢ consultancy programmes,
- ➢ industry specific training programmes,
- ➢ mentorship programme for students by Industry experts, and
- ➢ guest lectures and industrial visits.

Career Counseling & Placement Cell: The College has a separate Training & Placement Cell that helps students to achieve their goals. The Cell functions in tandem with the Centre for Enhancement of Employability Skills of the students.

World Bank / MHRD funded TEQIP III programme: The SoET has been sanctioned a handsome grant to improve the infrastructural facilities and achieve academic excellence in teaching & research. Under this programme, the following provisions have been made:

(i)   All the laboratories have been refurnished with the state-of-the-art equipment to conduct teaching & research in recent cutting-edge areas.

(ii)   Financial support for participation in Conference / Seminars / Workshops / Training programmes to students and the faculty.

(iii)   GATE Examination fee of students is being reimbursed by the University.

(iv)   GATE Coaching for 7th semester B.Tech. students is being conducted by highly Professional Experts with no fee being charged from students.

(v)   Employability Skill Test is arranged to assess the employability skill of each students and based on the assessment of strength and weakness of each student, the Employability Skill Training programme is being conducted to make each student acquire employability skill to become competitive in job market.

(vi)   Industry- Interaction and Internship Training programme are being conducted and all related expenditure are being reimbursed to students.

(vii)   Regular lectures by Captains of Industry and eminent academicians are being organised to keep the students updated with frontal areas of Engineering & Technology.

(viii) Innovation Cell, Start-up Cells and Tinkering Labs. have been established to convert new innovations into prototype.

Department of Civil Engineering

The Civil Engineering was established in the year 2008. Initially the Department was working as support for other engineering branches and offered courses like Engineering Mechanics, Engineering Graphics and Strength of Materials, etc. for the first year students. The Department offers B.Tech. and Ph.D. programmes in Civil Engineering. The objective of B.Tech. programme in Civil Engineering is to provide the students good understanding of civil engineering solutions in a global, societal and environmental context, consistent with the principles of sustainable development. The course will make the students capable of identifying, formulating and solving civil engineering problems that meet specified performance, cost, time, safety and other equality needs and objectives with professional and ethical responsibility.

Facilities in the Department

Hydraulic & Hydraulic Machines Lab, Survey Field Work, Drawing Lab, Material Testing Lab Structural Analysis Lab, Environmental Lab, Geo Technical Lab, Transportation Lab, CAD & Design Project Lab, GATE preparation classes, MoU with different industries

Vision

To produce Engineers having professional and leadership qualities to take up challenging assignments in Civil Engineering and allied fields in order to serve the society with high moral and ethical values.

Mission

➢ To produce highly competent Civil Engineers ready to participate in Industry-IV revolution.

➢ To promote quality education, cutting edge research and consultancy in Civil Engineering to contribute for society and nation building at large.

➢ To inculcate managerial skills, entrepreneurship and leadership qualities with high moral and ethical values.

Course Curriculum

Semester I

Course Code	Course Title
BSC-CE 101	Mathematics - I
ESC-CE 101	Basic Electrical Engineering
BSC-CE 102	Engineering Chemistry
BSC-CE 103	Engineering Physics
MC-CE 101	Environmental Science

Lab. Courses	Course Title
ESC-CE 111	Basic Electrical Engineering
BSC-CE 111	Engineering Chemistry
BSC-CE 112	Engineering Physics
ESC-CE 112	Engineering Graphics
MC-CE 111	Induction Training

Semester II

Course Code	Course Title
BSC-CE 201	Mathematics - II
ESC-CE 201	Basic Electronics
ESC-CE 202	Engineering Mechanics
HMSC-CE 201	Communication Skills
ESC-CE 203	Computer Fundamental & Programming
MC-CE 201	Indian Constitution

Lab. Courses	
ESC-CE 212	Engineering Mechanics
HMSC-CE 211	Communication Skills
ESC-CE 211	Basic Electronics Programming
ESC-CE 213	Fundamental & Programming
ESC-CE 214	Workshop Practice

Semester III

Course Code	Course Title
BSC-CE 301	Mathematics-III
PCC-CE 302	Introduction to Solid Mechanics
PCC-CE 303	Introduction to Fluid Mechanics
C-CE 304	Surveying & Geomatics

Left Column

Course Code	Course Title
PCC-CE 305	Disaster Preparedness & Planning
BSC-CE 306	Biology & Life Sciences

Lab. Courses	Course Title
LC-CE 311	Solid Mechanics
LC-CE 312	Fluid Mechanics
LC-CE 313	Surveying

Semester IV

Course Code	Course Title
BSC-CE 401	Mathematics-IV
PCC-CE 402	Theory of Structures
PCC-CE 403	Hydraulics Engineering
PCC-CE 404	Engineering Geology
PCC-CE 405	Building Materials & Construction
PCC-CE 406	Civil Engg. Societal & Global Impact

Lab. Courses	Course Title
LC-CE 411	Hydraulics Engineering
LC-CE 412	Material Testing
LC-CE 413	Geology

Semester V

Course Code	Course Title
PCC-CE 501	Geotechnical Engineering
PCC-CE 502	Environmental Engineering
BSC-CE 306	Biology & Life Sciences

Lab. Courses	Course Title
LC-CE 311	Solid Mechanics
LC-CE 312	Fluid Mechanics
LC-CE 313	Surveying

Semester IV

Course Code	Course Title
BSC-CE 401	Mathematics-IV
PCC-CE 402	Theory of Structures
PCC-CE 403	Hydraulics Engineering
PCC-CE 404	Engineering Geology
PCC-CE 405	Building Materials & Construction
PCC-CE 406	Civil Engg. Societal & Global Impact

Lab. Courses	Course Title
LC-CE 411	Hydraulics Engineering
LC-CE 412	Material Testing
LC-CE 413	Geology

Semester V

Course Code	Course Title
PCC-CE 501	Geotechnical Engineering
PCC-CE 502	Environmental Engineering

Right Column

Course Code	Course Title
PCC-CE 503	Design of Concrete Structures
PCC-CE 504	Estimation and Costing
PCC-CE 505	Concrete Technology
PCC-CE 506	Irrigation Engineering

Lab. Courses	Course Title
LC-CE 511	Geotechnical Engineering
LC-CE 512	Environmental Engineering
LC-CE 513	Computer Aided

Semester VI

Course Code	Course Title
PCC-CE 601	Transportation Engineering
PCC-CE 602	Hydrology & Water Resources Engg.
PCC-CE 603	Design of Steel Structures
PCC-CE	PEC-I
PCC-CE	PEC-II
OEC-CE	OEC-I

Lab. Courses	Course Title
LC-CE 611	Transportation Engineering
LC-CE 612	Seminar
LC-CE 613	Survey Camp

Semester VII

Course Code	Course Title
PROJ-CE 701	Project -I
PEC-CE	PEC Elective -III
PEC-CE	PEC Elective - IV
PEC-CE	PEC Elective - V
OEC-CE	Open Elective-II

Lab. Courses	Course Title
LC-CE 711	Industrial Training
LC-CE 712	STAAD Pro

PEC- III

PEC-CE 741	Foundation Engineering
PEC-CE 742	Construction Equipment and Automation
PEC-CE 743	Open Channel Flow
PEC-CE 744	Rural Construction Technology

PEC- IV

PEC-CE 745	Prestressed Concrete and Bridge Design
PEC-CE 746	Traffic Engineering and Management
PEC-CE 747	Air and Noise Pollution and Control
PEC-CE 748	Rock Mechanics
PEC-CE 749	Flood Control and River Engineering

PEC- V

PEC-CE 751	Structures Design
PEC-CE 752	Port and Harbour Engineering

PEC-CE 753	Ground Improvement Techniques
PEC-CE 754	Transport Planning & Management
PEC-CE 755	Solid and Hazardous Management

OEC-II

OEC-CE 761	Professional Ethics in Engineering
OEC-CE 762	Biological Process for Contaminant Removal
OEC-CE 763	Space sciences & Origin of Universe
OEC-CE 764	Media & Society

PEC-I

PEC-CE 641	Construction Engg. & Management
PEC-CE 642	Payment Material & Geometric Design of Highway
PEC-CE 643	Advance Soil Mechanics
PEC-CE 644	Design of Hydraulic Structures
PEC-CE 645	Rural Water Supply and Onsite Sanitation System
PEC-CE 646	Professional Practice and Ethics
PEC-CE 647	Construction Practice and Project Planning
PEC-CE 648	Industrial Waste Treatment
PEC-CE 649	Highway Construction and Pavement Design
PEC-CE 650	Tunnel Engineering

OEC-I

| OEC-CE 661 | Contracts Management |

OEC-CE 662	Pipeline Engineering
OEC-CE 663	Cyber Law and Ethics
OEC-CE 664	Fundamentals of Entrepreneurship

Semester VIII

Course Code	Course Title
PROJ-CE 831	Project- II
PEC-CE	PEC Elective -VI
PEC-CE	PEC Elective -VII
OEC-CE	Open Elective - III
OEC-CE	Open Elective - IV

PEC-VI

PEC-CE 841	Earthquake geotechnical Engineering
PEC-CE 842	Earthquake Engineering
PEC-CE 843	Ground Water Hydrology
PEC-CE 844	Natural Disaster Mitigation and Management
PEC-CE 845	Architecture and Town Planning

PEC-VII

PEC-CE 846	Geographical Information System and Science
PEC-CE 847	Structural Geology
PEC-CE 848	Water Resources Field Methods
PEC-CE 849	Environmental Impact Assessment
PEC-CE 850	Industrial Structures

Faculty	Designation	Qualification
• Mr. Vaseem Ahmed		M. Tech., Ph. D. Pursuing
• Mr. Zishan Aslam		M. Tech., Ph. D. Pursuing
• Dr. Pervez Alam		M. Tech., Ph. D.
• Mr. Shahid Ul Islam	Co-ordinator	M. Tech. Ph. D. Pursuing
• Dr. Nasir A. Rather		Ph. D.
• Mr. Ameer Ullah Ganai		M. Tech., Ph. D. Pursuing
• Dr. Mannan Hashim		M. Tech., Ph. D.
• Dr. Peerzada Mosir Shah		M. Tech. Ph. D.

Department of Computer Science & Engineering

The Department of Computer Science and Engineering at the School of Engineering & Technology was started in 2007. The aim of the Department is to strive for better and best accomplishment, so that students become responsible citizens, competent professionals and leading innovators. The Department is contributing to the social needs of the society and ensuring sustainable development of the nationally as well as globally.

The curriculum is designed in such a way that students are well equipped to understand and tackle problems from industry and academia. Most of students go for internships at various companies during their summer vocations.

Vision

To be a centre of excellence for providing a conducive educational environment in order to make students competent computer professionals, leading innovators, and responsible citizens.

Mission

➢ To provide quality education to meet the needs of profession and society.

➢ To be one of the leading Computer Science and Engineering Department in the state.

➢ To connect the Peer Panjal region to urban India via technology-centric computer skills.

➢ To encourage students to be self-motivated, innovative and problem- solver so as to become a successful entrepreneur.

➢ To provide a cordial environment to the faculty, in order to utilize their mettle.

Course Curriculum

Semester I

Course Code	Course Title
BSC-CSE 101	Mathematics - I
ESC-CSE 101	Basic Electrical Engineering
BSC-CSE 102	Engineering Chemistry
BSC-CSE 103	Engineering Physics
MC-CSE 101	Environmental Science

Lab. Courses	Course Title
ESC-CSE 111	Basic Electrical Engineering
BSC-CSE 111	Engineering Chemistry
BSC-CSE 112	Engineering Physics
ESC-CSE 112	Engineering Graphics
MC-CSE 111	Induction Program

Semester II

Course Code	Course Title
BSC-CSE 201	Mathematics - II
ESC-CSE 201	Basic Electronics
BSC-CSE 202	Engineering Mechanics
HMSC-CSE 201	Communication Skills

ESC-CSE 203	Computer Fundamental & Programming
MC-CSE 201	Indian Constitution

Lab. Courses	
ESC-CSE 211	Basic Electronics
HMSC-CSE 211	Communication Skills
ESC-CSE 212	Engineering Mechanics
ESC-CSE 213	Computer Fundamentals & Programming
ESC-CSE 214	Workshop Practice

Semester III

Course Code	Course Title
BSC-CSE 301	Mathematics-III
PCC-CSE 301	Data Structures with C
PCC-CSE 302	Object Oriented Prog. using C++
PCC-CSE 303	Software Engineering
ESC-CSE 301	Digital Logic Design
HSMC-CSE 301	Entrepreneurship Development & Management

Lab. Courses

PCC-CSE 311	Data Structures with C
PCC-CSE 312	Object Oriented Prog. using C++
ESC-CSE 311	Digital Logic Design

Semester IV

Course Code	Course Title
PCC-CSE 401	Discrete Mathematics
PCC-CSE 402	Python Programming
PCC-CSE 403	Computer Organization & Architecture
PCC-CSE 404	Database Management System
PCC-CSE 405	Operating System
HSMC-CSE 401	Management Information System

Lab. Courses

PCC-CSE 411	Python Programming
PCC-CSE 412	Database Management System
PCC-CSE 413	Operating System

Semester V

Course Code	Course Title
PCC-CSE 501	Theory of Automata
PCC-CSE 502	Computer Networks
PCC-CSE 503	Java Programming
PCC-CSE 504	Microprocessors and Interfacing
MC-CSE 501	Cyber Crime and Laws
OEC-CSE 5XX	Open Elective - I

Lab. Courses

PCC-CSE 511	Computer Networks
PCC-CSE 512	Java Programming
PCC-CSE 513	Microprocessors and Interfacing
PROJ-CSE 501	Industrial Training - I

OEC-I

OEC-CSE 501	Introduction to Fluid Mechanics
OEC-CSE 502	Estimating and Costing
OEC-CSE 503	Consumer Electronics
OEC-CSE 504	Mobile and Wireless Communication
OEC-CSE 505	Engineering Material Science

Semester VI

Course Code	Course Title
PCC-CSE 601	Compiler Design
PCC-CSE 602	Computer Graphics & Multimedia
PCC-CSE 603	Design & Analysis of Algorithms
PEC-CSE 6XX	Elective-I
PEC-CSE 6XX	Elective-II
OEC-CSE 6XX	Open Elective-II

Lab. Courses

PCC-CSE 611	Compiler Design
PCC-CSE 612	Computer Graphics & Multimedia

PROJ-CSE 611	Minor Project

PEC-I

PEC-CSE 601	Advanced Java
PEC-CSE 602	Unix/Linux & Shell Programming
PEC-CSE 603	R-Programming

PEC-II

PEC-CSE 606	Computer Based Numerical Techniques
PEC-CSE 607	Internet and Web Technology
PEC-CSE 608	Grid Computing

Open Elective - II

OEC-CSE 601	Disaster Management
OEC-CSE 602	Tunnel Engineering
OEC-CSE 603	Electronic Workshop Technology
OEC-CSE 604	CMOS VLSI Design
OEC-CSE 605	Renewable Energy Sources
OEC-CSE 606	Power System-I

Semester VII

Course Code	Course Title
PCC-CSE 701	Fundamentals of Digital Image Processing
PCC-CSE 702	Artificial Intelligence
PCC-CSE 7XX	Elective-III
PCC-CSE 7XX	Elective-IV
OEC-CSE 7XX	Open Elective-III

Lab. Courses

PCC-CSE 711	Fundamentals of Digital Image Processing
PCC-CSE 701	Major Project Phase-I based on Software Engineering
PROJ-CSE 711	Industrial Training - II

PEC-III

PEC-CSE 701	Cryptography & Network Security
PEC-CSE 702	Internet of Things
PEC-CSE 703	Distributed Computing

PEC-IV

PEC-CSE 707	Advanced Multimedia System
PEC-CSE 708	Cloud Computing
PEC-CSE 709	Fault Tolerant Computing
PEC-CSE 710	Project Management System

Open Electives - III

OEC-CSE 701	Introduction to Solid Mechanics
OEC-CSE 702	Surveying and Geomatics
OEC-CSE 703	8051 Microcontroller
OEC-CSE 704	Bio Inspired Engineering
OEC-CSE 705	Energy Audit and Management
OEC-CSE 706	Electrical Machine -I

Semester VIII	
Course Code	**Course Title**
PROJ-CSE 801	Major Project Phase-II
PEC-CSE 8XX	**Elective -V**
OEC-CSE 8XX	**Elective -IV**
PEC- V	
PEC-CSE 801	Advanced Computer Architecture
PEC-CSE 802	Expert System
PEC-CSE 803	System Software
PEC-CSE 804	Green Computing
PEC-IV	
OEC-CSE-801	Hydropower Engineering
OEC-CSE-802	Engineering Geology
OEC-CSE-803	Nano Technology
OEC-CSE-804	Biomedical Instrumentation
OEC-CSE-805	Solar Photovoltaic System
OEC-CSE-806	Electrical Measurement -I
OEC-CSE-807	Power Engineering
Odd Semester's Open Elective Courses	
PCC-CSE 301	Data Structures with C
PCC-CSE 302	Object Oriented Progamming using C++
PCC-CSE 502	Computer Networks
PCC-CSE 701	Fundamentals of Digital Image Processing

PCC-CSE 702	Artificial Intelligence
PEC-CSE 702	Internet of Things
PEC-CSE 705	Natural Language Processing
PEC-CSE 706	Embedded System
PEC-CSE 708	Cloud Computing
PEC-CSE 710	Project Management System
PEC-CSE 711	Big Data Analysis
PEC-CSE 712	Real Time Operating System
Even Semester's Open Elective Courses	
PCC-CSE 403	Computer Organization & Architecture
PCC-CSE 405	Operating System
PCC-CSE 602	Computer Graphics & Multimedia
PEC-CSE 606	Computer Based Numerical Techniques
PEC-CSE 607	Internet and Web Technology
PEC-CSE 610	Data Mining and Data Warehousing
PEC-CSE 611	Wireless Networks
PEC-CSE 803	System Software
PEC-CSE 804	Green Computing
PEC-CSE 805	Mobile Computing
PEC-CSE 806	Neural Networks
PEC-CSE 807	Pattern Recognition
PEC-CSE 808	Bio-Informatics

Faculty	**Designation**	**Qualification**
• Mr. Khalil Ahmed	**Head of the Department**	M. Tech., Ph. D. Pursuing
• Mr. Amit Dogra		**M .**Tech., Ph. D. Pursuing
• Ms. Rukhsana Thaker		M. Tech.
• Ms. Pulvi Sharma		M. Tech., Ph. D. Pursuing
• Mr. Mohd Aslam		M. Tech.
• Mr. Abid ud Din		M. Tech.

Department of Electronics & Communication Engineering

The Department of Electronics & Communication Engineering, established in the year 2007 as one of the core Departments of the School of Engineering & Technology, is concerned with the design, development and application of electronic devices, circuits and systems. The Department currently runs B. Tech. and Ph.D. Programme in Electronics & Communication Engineering. The Department imparts practical learning among the students to make them aware about the latest technological advances in the field of electronics and communication engineering.

Vision

To be a premier Department in the field of Electronics and Communication Engineering that produces competent professionals, endowed with high quality knowledge and skills for the well-being of society.

Mission

- To enrich young minds with the advances in Electronics and Communication Engineering in order to address real time problems while considering the technical, environmental and socio-economic issues.
- To empower students with state of the art technologies to cope with ever emerging industry challenges.
- To impart leadership skills and professional ethics to students in order to apply technology for the betterment of society.
- To build the foundation based on technical and analytical skills for pursuing advanced degrees.

Course Curriculum

Semester I

Course Code	Course Title
BSC-ECE 101	Mathematics - I
ESC-ECE 101	Basic Electrical Engineering
HSMC-ECE 101	Communication Skills
BSC-ECE 102	Engineering Graphics
ESC-ECE 103	Computer Fundamentals & Programming
MC-ECE 101	Indian Constitution

Lab. Courses	Course Title
ESC-ECE 111	Basic Electrical Engineering
HSMC-ECE 111	Communication Skills
ESC-ECE 112	Engineering Mechanics
ESC-ECE 113	Computer Fundamental & Programming
ESC-ECE 114	Workshop Practice
MC-ECE 111	Induction Program

Semester II

Course Code	Course Title
BSC-ECE 201	Mathematics - II
ESC-ECE 201	Basic Electronics
BSC-ECE202	Engineering Physics
BSC-ECE 203	Engineering Chemistry
MC-ECE 201	Environmental Science

Lab. Courses	
ESC-ECE 211	Basic Electronics
BSC-ECE 211	Engineering Physics
BSC-ECE 212	Engineering Chemistry
ESC-ECE 212	Engineering Graphics

Semester III

Course Code	Course Title
BSC-ECE 301	Mathematics-III
PCC-ECE 301	Network Analysis & Synthesis
PCC-ECE 302	Advanced Electronic Circuit
PCC-ECE 303	Signals & Systems
PCC-ECE 304	Digital Electronics
HSMC-ECE 301	Disaster Management

Lab. Courses	
PCC-ECE 311	Advanced Electronic Circuits
PCC-ECE 312	Digital Electronics
PCC-ECE 313	Network Analysis

Semester IV

Course Code	Course Title
BSC-ECE 401	Numerical Techniques
PCC-ECE 401	Solid State Electronic Devices
PCC-ECE 402	Linear Control Systems
PCC-ECE 403	Analog Communication Systems
PCC-ECE 404	Linear Integrated Circuits & Pulse Switching
PCC-ECE 405	Electronic Measurements & Instrumentation

Lab. Courses

PCC-ECE 411	Linear Control Systems
PCC-ECE 412	Analog Communication Systems
PCC-ECE 413	Linear Integrated Circuits

Semester V

Course Code	Course Title
PCC-ECE 501	Introduction to Microprocessors
PCC-ECE 502	Digital Communication Systems
PCC-ECE 503	EM Wave Theory
PCC-ECE 504	Computer Organization & Architecture
PEC-ECE 5XX	Professional Elective - I
OEC-ECE 5XX	Open Elective - I

Lab. Courses

PCC-ECE 511	Microprocessor
PCC-ECE 511	Digital Communication Systems
PCC-ECE 511	Modeling & Simulation

Semester VI

Course Code	Course Title
PCC-ECE 601	Digital Signal Processing
PCC-ECE 602	Microcontroller & Embedded Systems
PCC-ECE 603	Antenna & Wave Propagation
PEC-ECE 60X	Professional Elective - II
PEC-ECE 60X	Professional Elective - III
OEC-ECE XXX	Open Elective - II

Lab. Courses

PCC-ECE 611	Digital Signal Processing
PCC-ECE 612	Microcontroller & Embedded Systems
PCC-ECE 613	Antenna

Semester VII

Course Code	Course Title
PCC-ECE 701	RF & Microwave Engineering
PEC-ECE 70X	Professional Elective-IV
PEC-ECE 70X	Professional Elective-V
HSMC-ECE 701	Entrepreneurship Development & Management
OEC-ECE 70X	Open Elective - III
PROJ-ECE 701	Major Project Phase - I

Lab. Courses

PCC-ECE 711	Microwave Engineering / Optical Communication
PCC-ECE 712	PCB and Trouble Shooting
PROJ-ECE 711	Industrial Training / Seminar

Semester VIII

Course Code	Course Title
PCC-ECE 801	Major Project Phase - II
PEC-ECE 80X	Professional Elective - VI
OEC-ECE 80X	Open Elective - IV

Professional Elective Courses

PEC-ECE 501	Industrial Electronics
PEC-ECE 502	Electronic Multimedia Engineering
PEC-ECE 503	Smart Material Systems & MEMS
PEC-ECE 504	Engineering Material Science
PEC-ECE 601	Mobile & Wireless Communication
PEC-ECE 602	VLSI Design
PEC-ECE 603	Electrical Machines
PEC-ECE 604	Data Communication & Computer Networks
PEC-ECE 605	Optoelectronic Devices
PEC-ECE 606	Non-Convential Energy Sources
PEC-ECE 607	Power Electronics
PEC-ECE 701	Device Modeling for Circuit Simulations
PEC-ECE 702	Advanced 3G & 4G Wireless & Mobile Communication
PEC-ECE 703	Satellite Communication
PEC-ECE 704	Optical Communication
PEC-ECE 705	Random Process & Information Theory
PEC-ECE 706	Radar Engineering
PEC-ECE 707	Biomedical Instrumentation
PEC-ECE 708	Analog and Mixed Signal Design
PEC-ECE 801	RF IC Design
PEC-ECE 802	Adaptive Signal Processing
PEC-ECE 803	Digital Image Processing
PEC-ECE 804	Advanced Communication Systems
PEC-ECE 805	Digital System Design
PEC-ECE 806	Nanotechnology
PEC-ECE 807	Optical Networks

Open Elective Courses		
OEC-ECE 101	Object Oriented Programming	
OEC-ECE 102	Operating Systems	
OEC-ECE 103	Power Engineering	
OEC-ECE 104	Simulation and Modeling	
OEC-ECE 105	Bio-Informatics	
OEC-ECE 106	Introduction to Solid Mechanics	
OEC-ECE 201	Neural Networks	
OEC-ECE 202	Wireless Networks	
OEC-ECE 203	Energy Audit and Management	
OEC-ECE 204	Computer Graphics & Multimedia	
OEC-ECE 205	Discrete Mathematics	
OEC-ECE 206	Disaster Management	

OEC-ECE 301	Artificial Intelligence
OEC-ECE 302	Natural Language Processing
OEC-ECE 303	Mobile Computing
OEC-ECE 304	Power Systems - I
OEC-ECE 305	Web Technologies
OEC-ECE 306	Hydropower Engineering
OEC-ECE 401	Internet of Things
OEC-ECE 402	Cloud Computing
OEC-ECE 403	Project Management system
OEC-ECE 404	Green Computing
OEC-ECE 405	Renewable Energy Sources
OEC-ECE 406	Linux Administrator
OEC-ECE 407	Data Mining & Warehousing
OEC-ECE 408	Green Building

Project

Modeling and Compensation of Internal and External Noise Sources in Optical Network of BGSB University Campus.   (RGS under TEQIP-III)
PI: Mr. Arshad Ahmed Bhat   Co-PI: Mr. Mohammad Abas Malik

Faculty	Designation	Qualification
● Dr. Vishal Puri	**Head of the Department**	M. Tech, Ph. D.
● Mr. Mehmood-ul-Hussan		M. Tech. Pursuing
● Dr. Haider Mehraj		M. Tech., Ph. D.
● Mr. Arshid Ahmad Bhat		M. Tech.
● Mr. Mohammad Abas Malik		M. Tech., Ph. D. Pursuing
● Dr. Farkhanda Ana		M. Tech., Ph. D.
● Mr. Junaid Farooq War		M. Tech., Ph. D. Pursuing

The Department of Electrical Engineering (EE) is constituent Department of School of Engineering & Technology (SoET) and has become one of the premier learning Department in the field of Electrical Engineering. More than 200 future engineers from different parts of the Country are currently enrolled. Various Workshops, Seminars, Industrial interactions, Short-Term Courses, etc. are held in the Department throughout the year involving academic and industry experts.

The Department offers B.Tech. And Ph.D in Electrical Engineering

Vision

To become front-runners in bringing out globally competent Electrical Engineers, innovators, researchers and entrepreneurs to address the challenges of the millennium.

Mission

- ➢ To provide the state of art teaching learning facilities to the students and faculty members aligned with changing industrial needs.
- ➢ To train young minds with profound knowledge and positive mind set.
- ➢ To create niche of research minded engineers, researchers and entrepreneurs from the parts of the country.
- ➢ To become one of the premier source of knowledge aligned with latest advances in Electrical Engineering especially in the Pir Panjal range of Jammu & Kashmir.

Course Curriculum

Semester I

Course Code	Course Title
BSC-EE 101	Mathematics -I
ESC-EE 101	Basic Electrical Engineering
HSMS-EE 101	Communications Skills
ESC-EE 102	Engineering Mechanics
ESC-EE 103	Computer Fundamentals & Programming
MC-EE 101	Indian Constitution

Lab. Courses	Course Title
ESC-EE 111	Basic Electrical Engineering
HSMS-EE 111	Communications Skills
ESC-EE 112	Engineering Mechanics
ESC-EE 113	Computer Fundamentals & Programming
ESC-EE 114	Workshop Practice
MC-EE 111	Induction Program

Semester II

Course Code	Course Title
BSC-EE 201	Mathematics -II
ESC-EE 201	Basic Electronic Engineering
BSC-EE 202	Engineering Physics
BSC-EE 203	Engineering Chemistry
MC-EE 201	Environmental Science

Lab. Courses	
ESC-EE 211	Basic Electronics
BSC-EE 212	Engineering Physics
BSC-EE 213	Engineering Chemistry
ESC-EE 212	Engineering Graphics

Semester III

Course Code	Course Title
BSC-EE 301	Mathematics-III
PCC-EE 301	EM Field Theory
PCC-EE 302	Electrical Machines- I
PCC-EE 303	Network Analysis & Synthesis
PCC-EE 304	Biosciences
PCC-EE 305	Analog Electronics

Lab. Courses	
PCC-EE 311	Electrical Machines- I
PCC-EE 312	Network Analysis & Synthesis
PCC-EE 313	Analog Electronics

Semester IV

Course Code	Course Title
BSC-EE 401	Numerical Techniques
PCC-EE 401	Renewable Energy Sources
PCC-EE 402	Digital Electronics
PCC-EE 403	Power System - I
PCC-EE 404	Electrical Machines -II
PCC-EE 405	Electrical Measurements - I

Lab. Courses

PCC-EE 411	Digital Electronics
PCC-EE 412	Electrical Machines -II
PCC-EE 413	Renewable Energy Sources

Semester V

Course Code	Course Title
PCC-EE 501	Power System-II
PCC-EE 502	Signal & Systems
PCC-EE 503	Control System
PCC-EE 504	Electrical Measurement - II
PEC-EE (---)	Professional Elective - I
OEC-EE (---)	Open Elective - I

Lab. Courses

PCC-EE 511	Power System
PCC-EE 512	Electrical & Electronic Measurement
PCC-EE 513	Control System
PROJ-EE 511	Industrial Training - I

Semester VI

Course Code	Course Title
PCC-EE 601	Power Electronics
PCC-EE 602	Microprocessor & Interfacing
PCC-EE 603	Design of Power Apparatus
PCC-EE (---)	Professional Elective - II
PCC-EE (---)	Professional Elective - III
OEC-EE (---)	Open Elective - II

Lab. Courses

PCC-EE 611	Power Electronics
PCC-EE 612	MATLAB & Machine Design
PCC-EE 613	Microprocessor & Interfacing

Semester VII

Course Code	Course Title
PCC-EE 701	Electrical Drives
PCC-EE 702	Power System Protection
PROJ-EE 701	Minor Project
PEC-EE (---)	Professional Elective - IV
PEC-EE (---)	Professional Elective - V
OEC-EE (---)	Open Elective - III

Lab. Courses

PCC-EE 711	Power System Protection
PCC-EE 712	Advanced Microcontroller
PORJ-EE 711	Seminar
PROJ-EE 712	Industrial Training -II
PCC-EE 713	Electrical Drives

Semester VIII

Course Code	Course Title
HSMC-EE 801	Entrepreneurship Development & Management
PROJ-EE 801	Major Project
PEC -EE (---)	Professional Elective - VI
OEC-EE (---)	Open Elective -IV

Professional Electives I-VI

PEC-EE 01	Wind & Solar Energy systems
PEC-EE 02	Line Commutated & Active Rectifies
PEC-EE 03	Energy Audit and Management
PEC-EE 04	Electrical & Hybrid Vehicles
PEC-EE 05	EHVAC & DC Transmission
PEC-EE 06	Power Quality and FACTS
PEC-EE 07	High Voltage Engineering
PEC-EE 08	Industrial Electrical Systems
PEC-EE 09	Digital Signal Processing
PEC-EE 10	Electromagnetic Waves
PEC-EE 11	Control Systems Design
PEC-EE 12	Power Engineering
PEC-EE 13	Electric Substation Design
PEC-EE 14	Restructuring of Power System
PEC-EE 15	Energy Economics & Planning
PEC-EE 16	Microcontroller & Interfacing
PEC-EE 17	Virtual Instrumentation
PEC-EE 18	Optimization Techniques
PEC-EE 19	Power Semiconductor Controllers
PEC-EE 20	Communication System
PEC-EE 21	Power System Transients
PEC-EE 22	Neural Networks Fuzzy Systems
PEC-EE 23	Disaster Management
PEC-EE 24	Computers in Medicine
PEC-EE 25	Engineering Material Science

Open Electives I-IV

OEC-EE 01	Consumer Electronics
OEC-EE 02	Mobile & Wireless Communication
OEC-EE 03	Embedded Systems
OEC-EE 04	8051 Microcontroller
OEC-EE 05	Bio Inspired Engineering
OEC-EE 06	Electronic Workshop Technology
OEC-EE 07	Nanotechnology
OEC-EE 08	CMOS VLSI Design
OEC-EE 09	Biomedical Instrumentation

OEC-EE 10	Data Structures with C	OEC-EE 24	Internet & Web Technology
OEC-EE 11	Object Oriented Programming	OEC-EE 25	Data Warehousing & Data Mining
OEC-EE 12	Computer Networks	OEC-EE 26	Wireless Networks
OEC-EE 13	Operating Systems	OEC-EE 27	System Software
OEC-EE 14	Fundamentals of Digital Image Processing	OEC-EE 28	Green Computing
OEC-EE 15	Artificial Intelligence	OEC-EE 29	Mobile Computing
OEC-EE 16	Internet of Things	OEC-EE 30	Neural Networks
OEC-EE 17	Natural Language Processing	OEC-EE 31	Pattern Recognition
OEC-EE 18	Cloud Computing	OEC-EE 32	Bio-Informatics
OEC-EE 19	Project Management System	OEC-EE 33	Hydropower Engineering
OEC-EE 20	Real Time Operating System	OEC-EE 34	Engineering Geology
OEC-EE 21	Computer Organization & Archit.	OEC-EE 35	Tunnel Engineering
OEC-EE 22	Computer Graphics & Multimedia	OEC-EE 36	Introduction to Solid Mechanics
OEC-EE 23	Computer based Numerical Techniques	OEC-EE 37	Introduction to Fluid Mechanics
		OEC-EE 38	Surveying & Geomatics
		OEC-EE 39	Estimating & Costing

Faculty	Designation	Qualification
• Mr. Tussadaq Hussain	**Head of the Department**	M. Tech., Ph. D. Pursuing
• Dr. Shafqat Nabi Mughal		M. Tech., Ph. D.
• Dr. Ahmed Riyaz		M. Tech., Ph. D.
• Dr. Vinod Puri		M. Tech., Ph. D.
• Mr. Qamar ul Islam		M. Tech., Ph. D. Pursuing
• Mr. Muzzafer Hussain		M. Tech., Ph. D. Pursuing
• Ms. Ankita Runani		M. Tech.
• Mr. Ch. Mohd Yassar Arfat		M. Tech. Ph. D. Pursuing

Department of Information Technology & Engineering

The Department of Information Technology and Engineering (ITE) was established in 2007 and is one of the pioneer Departments of School of Engineering & Technology. Presently, the Department offers B.Tech. programme of 4 years duration. Keeping in view the global scenario of information and technology, the syllabi are timely updated with reference to the current needs, requirements and technological advances.

The students are acquainted broadly with the knowledge based on the field of Information Technology including its evaluation, current trends and future directions. The Department strives to inculcate the requisite skills in the students and provide overall knowledge to them, so as to mould them into competent engineers.

Vision

To produce creative and competent IT professionals recognized for innovation, excellence and ethical application of technology to address the societal needs.

Mission

➢ To provide platform with ambience and state-of-the-art infrastructure for quality technical education in coherence with high moral values.

➢ To nurture innovative and entrepreneurial skills in students for creating self employment ventures by making use of digital technology.

➢ To introduce emerging technologies in curriculum to bridge the gap between academia and industry.

➢ To support the state in e-governance by providing competent IT professionals.

Course Curriculum

Semester I

Course Code	Course Title
BSC-ITE 101	Mathematics-I
ESC-ITE 101	Basic Electrical Engineering
BSC-ITE 102	Engineering Chemistry
BSC-ITE 103	Engineering Physics
MC-ITE 101	Environmental Science

Lab. Courses

Lab. Courses	Course Title
ESC-ITE 111	Basic Electrical Engineering
BSC-ITE 111	Engineering Chemistry
BSC-ITE 112	Engineering Physics
ESC-ITE 112	Engineering Graphics
PROJ-ITE 111	Induction Program

Semester II

Course Code	Course Title
BSC-ITE 201	Mathematics -II
ESC-ITE 201	Basic Electronics
ESC-ITE 202	Engineering Mechanics
HSMC-ITE 201	Communication Skills
ESC-ITE 203	Computer Fundamentals & Prog.
MC-ITE 201	Indian Constitution

Lab. Courses

Lab. Courses	Course Title
ESC-ITE 212	Engineering Mechanics
HSMC-ITE 211	Communication Skills
ESC-ITE 211	Basic Electronics
ESC-ITE 213	Programming for Problem solving
ESC-ITE 214	Workshop Practice

Semester III

Course Code	Course Title
BSC-ITE 301	Mathematics - III
ESC-ITE 301	Digital Logic Design
ESC-ITE 302	Digital Communication
PCC-ITE 301	Data Structures using C
PCC-ITE 302	Object Oriented Programming
HSMC-ITE 301	Human Values & Prof. Ethics

Lab. Courses

PCC-ITE 311	Data Structures using C
PCC-ITE 312	Object Oriented Programming
ESC-ITE 311	Digital Logic Design

Semester IV

Course Code	Course Title
PCC-ITE 401	Operating System
PCC-ITE 402	Computer Organization & Architecture
PCC-ITE 403	Design & Analysis of Algorithms
PCC-ITE 404	Discrete Mathematics
PCC-ITE 405	Computer Networks
HSMC-ITE 401	Principles of Marketing & Management

Lab. Courses

PCC-ITE 413	Design & Analysis of Algorithms
PCC-ITE 415	Computer Networks

Semester V

Course Code	Course Title
OEC-ITE 50X	Open Elective Course - I
PEC-ITE 50X	Professional Elective Course - I
PCC-ITE 501	Theory of Automata
PCC-ITE 502	Internet & Web Technologies
PCC-ITE 503	Software Engineering
PCC-ITE 504	DBMS

Lab. Courses

PCC-ITE 512	Internet & Web Technologies
PCC-ITE 513	Software Engineering
PCC-ITE 514	DBMS
SI-ITE 501	Industrial Training

Semester VI

Course Code	Course Title
OEC-ITE 60X	Open Elective Course - II
PEC-ITE 60X	Professional Elective - II
PEC-ITE 60X	Professional Elective - III
POC-ITE 601	Image Processing
PCC-ITE 602	Network Security
PCC-ITE 603	Java Programming

Lab. Courses

PCC-ITE 611	Image Processing
PCC-ITE 612	Java Programming
SI-ITE 601	Seminar

Semester VII

Course Code	Course Title
OEC-ITE 10X	Open Elective Courses - III
PEC-ITE 70X	Professional Elective Courses - IV
PCC-ITE 701	Software Testing
PROJ-ITE 701	Minor Project
SI-ITE 701	Summer Internship -II

Lab. Courses

PCC_ITE 701	Software Testing

Semester VIII

Course Code	Course Title
PCC-ITE 80X	Professional Elective courses - V
PEC-ITE 80X	Professional Elective courses - VI
PROJ-ITE 802	Major Project

Professional Elective Courses I-VI

PEC-ITE T01	Compiler Design
PEC-ITE T02	Graph Theory
PEC-ITE T03	Advanced Algorithms
PEC-ITE T04	Parallel Algorithms
PEC-ITE T05	Distributed Systems
PEC-ITE T06	Simulation & Modeling
PEC-ITE S01	Advanced Computer Architecture
PEC-ITE S02	Software Project Management
PEC-ITE S03	Embedded Systems
PEC-ITE S04	Real Time Systems
PEC-ITE S05	Internet of Things
PEC-ITE D01	Artificial Intelligence
PEC-ITE D02	Pattern Recognition
PEC-ITE D03	Machine Learning
PEC-ITE D04	Data Mining & Warehosuing
PEC-ITE D05	Data Analytic
PEC-ITE D06	Deep Learning
PEC-ITE D07	R Language
PEC-ITE D08	Python Programming
PEC-ITE A01	Biometrics & Network Security
PEC-ITE A02	Information Security
PEC-ITE A03	UNIX/LIUNX Shell Programming
PEC-ITE A04	Computer Graphics & Multimedia
PEC-ITE A05	Cloud Computing
PEC-ITE A06	Wireless Networks
PEC-ITE C01	Wireless Adhoc Networks
PEC-ITE C02	Wirless Sensor Networks
PEC_ITE C03	Optical fibre Communication
PEC-ITE C04	Wireless Optical Networks
PEC-ITE C05	Signal & Systems

Open Elective Courses I-IV

OEC-ITE 01	Simulation & Modeling
OEC-ITE 02	Internet of Things
OEC-ITE 03	Wireless Networks
OEC-ITE 04	Computer Graphics & Multimedia
OEC-ITE 05	Data Mining & Warehousing
OEC-ITE 06	Cloud Computing
OEC-ITE 07	Web Technologies
OEC-ITE 08	Operating System
OEC-ITE 09	LINUX Administration
OEC-ITE 10	Digital Image Processing
OEC-ITE 11	Discrete Mathematics

Project

Development of Blockchain Based Smart Electricity Monitoring & Measurement System for Smart Cities.   (J&K Science, Technology & Innovation Council)
PI : Dr. Manmeet Singh   (Rs 7.79 Lac.)

Faculty	Designation	Qualification
• Mr. Malik Mubasher Hassan • Mr. Nikhil Gupta • Mr. Rakesh Singh Sambyal • Dr. Manmeet Singh • Mr. Rashed Qayoom Shawl	**Coordinator**	M. Tech., Ph. D. Pursuing M. Tech., Ph. D. Pursuing M. Tech. Ph. D. Pursuing M. Tech., Ph. D. M. Tech.

Intake:

Civil (50 Seats General & 10 Seats Self Financing)		**60**
Computer Science Engineering		**60**
Electronics & Communication / Information Technology / Electrical Engg.		
General* (in each branch)	:	**30**

Eligibility for Admission

The applicant must have passed 10+2 from a recognized Board with at least 45% marks (40% for students of Scheduled caste / Scheduled tribe categories) with Physics and Mathematics as compulsory subjects

Procedure for Admission

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

*   Including reserved category seats
**   The number may change marginally
*** The University has initiated Ph. D. programme in Dept. of Electrical, IT, Civil & Electronics & Comm. Engg.

Applied Sciences

The division of Applied Sciences and Humanities imparts teaching in practical aspects of Applied Sciences and Humanities to build a strong foundation as part of the Engineering Education. It offers core courses of basic sciences in terms of Applied Mathematics, Applied Physics and Applied Chemistry in the first year. Communication Skills, Indian Constitution and Environmental Science are Humanities subjects that strengthen communication skills, the civic sense and familiarize the students with environment and discover solutions to environmental problems. The above disciplines are served by qualified and professionally competent faculty who are dedicated to their work and always willing to carry out any responsibility that may be entrusted to them.

Faculty	Designation	Qualification
• Dr. Ram Singh		M. Phil., Ph.D.
• Mr. Anil Maini		M. Phil., Ph. D. Pursuing
☹ Mr. Naveen Sharma		M. Sc., Ph. D. Pursuing
• Mr. Mohd. Arif		M. Sc., Ph. D. Pursuing

The University offers lateral admission to B. Tech. (3rd semester) in the following streams :

- **Civil Engineering**
- **Electrical Engineering**
- **Computer Science & Engineering**
- **Electronics & Communication Engineering**
- **Information Technology & Engineering**

Intake : Five seats are available in each branch over and above the allotted intake, which shall be filled under self-finance category. However, in those streams in which there are some vacant seats available within the allotted intake, seats shall be filled under normal category.

Eligibility for Admission : Passed Diploma Engineering in relevant or allied stream from recognized Board of Technical Education / University with at least 45% marks (40% for students of Scheduled caste / Scheduled tribe categories) or passed B.Sc. Degree from recognised University with at least 45% marks (40% for students of Scheduled caste / Scheduled tribe categories) and passed 10+2 examinations with Mathematics as a subject.

Procedure for Admission : Admission shall be made through Entrance Test that the University will notify and conduct separately.

Selection shall be made on the basis of marks secured by the applicants in the Entrance Test.

Change of Branch in B. Tech.

Sem III

The University offers provision for Change of Branch (in B. Tech. 3rd semester) only to the students pursuing B.Tech. programme in BGSB University in the following streams:

- **Civil Engineering**
- **Electrical Engineering**
- **Computer Science & Engineering**
- **Electronics & Communication Engineering**
- **Information Technology & Engineering**

Intake : Number of seats available shall be notified at the commencement of Semester - III.

Eligibility for Admission:

Only such students will be considered for change of stream as have passed all theory and lab courses of Semester-I and have appeared for examination in all courses of Semester- II.

Selection of students seeking change of branch shall be made on the basis of the marks secured by them in Semester -I Examination.

Fee Structure for B. Tech. programmes

Rs 29,500/- per semester to be paid at the start of the respective semester.

Self-Supporting Fee to be deposited at the time of admission (One Time) - B.Tech CE will be Rs. 1,50,000/-

School of Management Studies

Associate Dean : Dr Ali Asghar Shah

Department of Management Studies
- BBA
- MBA
- Ph. D.

Centre for Hospitality & Tourism
- B. Voc. Tourism & Travel Management
- MBA - Hospitality & Tourism
- Diploma in Front Office
- Diploma in House Keeping
- Diploma in Food & Beverage Services
- Ph. D.

Community College

Department of Management Studies

The Masters programme in Business Administration (MBA) run by the School is recognized by the All India Council of Technical Education (AICTE), New Delhi. The post graduates produced by the School have done it proud with placement in reputed organizations such as Wipro, HDFC Bank, Airtel, Vodafone & ICICI. The School has earned distinction of having produced large number of UGC-NET - JRF and SLET qualified students. This has been possible on account of the quality training imparted by the School.

The strength of the School lies in its well qualified faculty that is always enthusiastic to learn and teach. High profile experienced guest faculty drawn from different universities and corporate sector is involved in preparing students for facing the challenges of corporate world with poise and confidence. Teaching in the School is interactive. Students participate in seminars organized regularly to advance their knowledge base and improve articulation.The School works in close liaison with the Skills Development and Placement Cell for conducting training sessions on personality development and event management. Participation in these programmes is essential for students of both streams. Furthermore, each student has to compulsorily pass one non-creditable Massive Open Online Courses (MOOCs) under SWAYAM platform during the two-year programme.

The course curricula are based on UGC Model Curriculum and the real world business decisions and economic events. The emphasis of the programme is on strengthening analytical and critical skills of students on rolls. Availability of modern computer laboratories, state-of-the-art teaching aids and internet connectivity help students to learn, appreciate and analyze the important events shaping the business world. The School strives to produce business students capable of handling managerial positions in business organizations in India and abroad.

Academic Activities

- Organized seminars on contemporary events: Rupee-US Dollar swings, Global changes and liquidity crisis in India etc. Innovation in Banking Sector, Islamic Banking; Issues & Challenges, Sustainable Tourism, Policy reforms & Economic Diversification.
- Won second prize under P2P programme on 'Challenging Extremism' sponsored by Adventure Partners US & Facebook (150 Universities from South East Asia participated).
- Under 'Start up projects' students are managing & running, Peer Pal Café of the University on profit sharing basis on a theme ' Earn while you learn'.
- Organized 'Eminent Scholar Lecture Series' on Research Methodology and a talk on Cultural Heritage.
- Organized 'Management Fests and Personality Development Workshops'.
- Organized workshops on ' Research Methodology' using 'STATA' and 'SPSS 25'.

Ongoing Projects

- Impact Analysis of Microfinance Programmes and their Contribution to Rural Development in J&K.
  Principal Investigator : Dr. Javed Iqbal   Rs. 5,50,000
- Research & Documentation of Gujjars & Bakerwals (ST's) of J&K.
  Principal Investigator : Dr. Pervaiz Abdullah   Rs. 5,00,000
- Economic Evakuation of high altitude lakes in Peer Panjal Region of J&K.
  Principal Investigator : Dr. Showket Mir & Dr. Pervaiz Abdullah   Rs. 8,00,000
- What role does the employment protection legislation play in the wage determination under segmented labour markets? A State Level analysis.
  Principal Investigator : Dr. Irfan Ahmad Sofi   Rs. 10,00,000.
- Management and Performance of Micro and Small Enterprises in Rajouri and Poonch District of J&K
  Principal Investigator : Dr. Dil Pazir   Rs. 7,00,000

Course Curriculum

Semester I	
Course Code	**Course Title**
BBA 121	Principles of Management
BBA 122	Business Economics
BBA 123	Financial Accounting
BBA 124	Communication Skills

Semester II	
Course Code	**Course Title**
BBA 221	Business Law
BBA 222	Fundamentals of Statistics
BBA 223	Environmental Science
BBA 224	Cost Accounting

Semester III	
Course Code	**Course Title**
BBA 321	Organizational Behavior
BBA 322	Human Resource Management
BBA 323	Marketing Management
BBA 324	Financial Management

Semester IV	
Course Code	**Course Title**
BBA 421	Business Ethics & Corporate Governance
BBA 422	Security Market Operations
BBA 423	Sales Management
BBA 424	Corporate Accounting

Semester V	
Course Code	**Course Title**
BBA 521	Management Information System
BBA 522	Customer Relationship Manag.
BBA 523	Management Accounting
BBA 524	Indian Financial System
BBA 525	Summer Training Project

Semester VI	
Course Code	**Course Title**
BBA 621	Income Tax
BBA 622	International Business
BBA 623	Entrepreneurship Development
BBA 624	Business Policy
BBA 625	Comprehensive Viva-Voce

Summer Training Project

Every enrolled student will be required to undergo practical training of 6-8 weeks during summer vacation following Semester IV, in an approved business / service organization, and submit two copies of the Training Report to Dean, School of Management Studies within two weeks of the commencement of Semester V. The Summer Training Report carries 100 marks. It shall be evaluated for 50 marks by an External Examiner and for 50 marks by an Internal Board comprising a minimum of two Faculty Members.

Intake   :   25

Eligibility for Admission

- Passed 10 + 2 examination from any recognized Board of School Education with any subject combination.
- Candidates appearing in the qualifying examination and those whose result of the qualifying examination is awaited can also apply provisionally.

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee Structure
Rs 13,600/- per semester to be paid at the start of the respective semester.

Master of Business Administration

Course Curriculum

Semester I

Course Code	Course Title
MBA 121	Management Process & Organizational Behavior
MBA 122	Accounting for Managers
MBA 123	Quantitative Techniques for Managerial Decisions
MBA 124	Managerial Economics
MBA 125	Business Ethics & Corporate Governance
MBA 126	Business Comm. & Soft Skills

Semester II

Course Code	Course Title
MBA 221	Marketing Management
MBA 222	Financial Management
MBA 223	Business Law
MBA 224	Human Resource Management
MBA 225	Research Methodology & its Applications

Choice Based Open Elective Courses (One of the following)

Course Code	Course Title
Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Language
UR 238	Fundamentals of Urdu Language & Literature
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer App. & Operations
HT 245	Basics of Tourism & Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Language & Literature
ECP 248	Introduction to Pahari Language & Literature
ECK 249	Introduction to Kashmiri Language & Literature
IS 250	Spirituality & Islam
JKCT 252	Culture & Traditions of J&K

Semester III

Course Code	Course Title
MBA 331	Project Management
MBA 332	Entrepreneurship Development
MBA 333	Summer Training Project

Choice Based Complementary Elective Courses (Opt any three for Major and any two for minor specialization out of the following courses)

Human Resource

Course Code	Course Title
MBA H1	Strategic Human Resource Mgt.
MBA H2	Organizational Change & Dev.
MBA H3	Industrial Relation and Labour Laws
MBA H4	Human Resource Development

Finance

Course Code	Course Title
MBA F1	Security Analysis
MBA F2	International Finance
MBA F3	Corporate Tax Planning & Management
MBA F4	Indian Financial System
MBA F5	Participative Banking
MBA F6	Banking & Insurance Management

Marketing

Course Code	Course Title
MBA M1	Advertising and Sales Promotion
MBA M2	Consumer Behavior & Marketing Strategy
MBA M3	Service Marketing
MBA M4	Customer Relationship Management

Semester IV

Course Code	Course Title
MBA 441	Stategic Management

Choice Based Compl. Elective Courses (Opt any two for Major & one for minor specialization out of the following courses)

Finance

Course Code	Course Title
MBA F7	Portfolio Management
MBA F8	Financial Derivatives
MBA F9	Behaviourial Finance
MBA F10	Mergers and Acquisitions

Human Resource

Course Code	Course Title
MBA H6	Interpersonal and Development
MBA H7	Performance Management
MBA H8	Inter Personal & Group Processes
MBA H9	Cross Cultural Management

Marketing

Course Code	Course Title
MBA M5	Strategic Brand Management
MBA M6	Retail Marketing
MBA M7	International Marketing
MBA M8	Digital Marketing

Intake: 35

Eligibility for Admission

- Bachelors' degree (10+2+3 pattern) in any discipline or any other degree from a recognized University.

  or

  Passed final examination from the Institute of Chartered Accountants, Cost and Works Accountants or Company Secretaries.

  or

  Passed A.M.I.E. (Engineering)

  and

  Appeared in the Common Management Admission Test (C-MAT) / Common Aptitude Test (CAT) / Management Aptitude Test (MAT) / Appeared in the Common University Entrance Test (CUET 2024).

- Candidates appearing in the final year examination of the qualifying degree and those, whose result of the same is awaited, can also apply provisionally.

Procedure for Admission

- For admission to MBA programme all eligible candidates shall have to appear in the Common Management Admission Test (C-MAT) conducted by the All India Management Association between June 2023 and May 2024 or Common Aptitude Test (CAT) or Management Aptitude Test (MAT) of March 2023 / or Appeared in Common University Entrance Test (CUET 2024).

- In case of leftover vacant seats, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee Structure

Rs 22,750/- per semester to be paid at the start of the respective semester.

Faculty	Designation	Qualification
Ms. Mamta Choudhary	HoD	MBA, NET, Ph. D. Pursuing
Dr. Parvez Abdulla		M. Sc. MBA, M. Phil., Ph. D. FDP-IIMA
Dr. Gaurav Sehgal		M. Sc., MBA, PGDCS, Ph. D.
Dr. Javed Iqbal		M. Com., Ph. D., FDPM-IIMA
Dr. Darakashan Anjum		M. Com., Ph. D.
Dr. Radha Gupta		M. Com., M. Phil., Ph. D.
Dr. Kafeel Ahmed		MBA, NET, Ph. D.
Dr. Aasim Mir		MBA, NET, Ph. D., FDP-Harvardx
Dr. Jatinder Kumar		MBA, NET, Ph. D.
Dr. Danish Iqbal Raina		MBA, NET, Ph. D.
Dr. Vinay Kumar Sharma		MBA, NET-JRF, SET, Ph. D.

Invited Guest Faculty

Prof. Ashok Aima	Vice Chancellor, Central University of Jammu, Jammu
Prof. Nawab Ali Khan	Aligarh Muslim University, Aligarh
Prof. Sheeba Hamid	Aligarh Muslim University, Aligarh

B. Voc. (Tourism and Travel Management)

The B.Voc. (Tourism and Travel Management) programme is focused on providing undergraduate degree with multiple exit points such as Certificate, Diploma, Advanced Diploma and Degree under NSQF spread over three years incorporating specific job roles along with broad based general education component. It is a new initiative of Government to align higher education with the emerging needs of the economy so as to ensure that the graduates of higher education system have adequate knowledge and skills for employment and entrepreneurship. It is a course where more importance is given to practical education than the customary theoretical education. Each level of the programme would be a suitable mix of skill development and general education components. The weightage for skill development would be 60 % and general education component will be 40%. The changes would be incorporated as per UGC/NSDC guidelines issued from time to time, keeping in view the needs of the local industry as well.

Course Curriculum

Semester I
Course Code & Course Title
Skill Component
UGBVTI500IT	Communication Soft Skill Development
UGBVTI5002T	Basic of Travel Agency and Tour Operations
UGBVTI5003T	Professional Excellence in Tourism-I
UGBVTI5004T	Industrial Field Visit and Report
UGBVTI5005T	Basic Concept of Tourism

General component
UGBVTI5006T	Exposure to Foreign language-1 (French)
UGBVTI5007T	Office Applications in Tourism
UGBVTI5008T	Tourism Products and Services

Semester II
Course Code & Course Title
Skill component
UGBVT2500IT	Basics of Event Management.
UGBVT25002T	Professional Excellence in Tourism-11
UGBVT25003T	Customer Relationship Management in Tourism
UGBVT25004T	Summer Internship (6 weeks) General component
UGBVT25005T	Exposure to Foreign language-11(French)
UGBVT25006T	Tourism Sale and Marketing
UGBVT25007T	Basic Accountancy in Tourism

Semester III
Course Code & Course Title
General component
UGBVT3G00IT	Tourism Law
UGBVT3G002T	Technology for Tourism Accounting-Automation in Tourism Industry
UGBVT3G003T	Tally
UGBVT3G004T	Supervisory Skills in Tourism
UGBVT3G005T	Tourism Geography
UGBVT3G006T	Tourism principles and practices

Semester IV
Course Code & Course Title
Skill component
UGBVT4S00IT	Business Development.
UGBVT4S002T	Tour package designing and development
UGBVT4S003F	OJT-Summer Internship-(4 months)
UGBVT4S004F	OJT Report

Semester V
Course Code & Course Title
General component
UGBVT5G00IT	Adventure Tourism
UGBVT5G002T	Operations Management
UGBVT5G003T	Entrepreneurship
UGBVT5G004T	New Media in Tourism
UGBVT5G005T	Project on Entrepreneurship

Semester VI
Course Code & Course Title
Skill component
UGBVT6S00IT	Online Travel Business.
UGBVT6S002T	Service Quality Management in Tourism
UGBVT6S003F	On the Job Training and Evaluation
UGBVT6S004F	Project Report & Presentation

Intake   :   30

Eligibility for Admission

The eligibility condition for admission to B. Voc. programme shall be 10+2, in any stream or level-4 of NSQF.

Procedure for Admission

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee for the course

Rs. 4500**/- (**1st Year**)**
Rs. 6300**/- (**2nd Year**)**
Rs. 7200**/- (**3rd Year**)**

MBA - Hospitality & Tourism

Tourism has emerged as World's fastest growing industry and a major source of earning. Jammu & Kashmir has been the paradise of tourists from all over the World from times immemorial on account of its topography, natural and cultural diversity, heritage sites and the bounties of nature. If offers opportunities for all kinds of tourism; leisure, adventure, health and pilgrimage. Therefore, tourism has generated direct and indirect employment to a large chunk of State's population. With the world having shrunk to a global village, distances having become irrelevant, through improved transport system people all over the world have become World trotters. The tourist industry of the country has to keep pace with the growing tourist influx. In the years ahead tourism industry will undergo unprecedented expansion which will mean increase in the requirement of skilled human resource to man the industry. The Masters Course in Hospitality & Tourism has been introduced to generate such human resource.

Course Curriculum

Semester I

Course Code	Course Title
MBAHTM 101	Management Concepts & Organisational behaviour
MBAHTM 102	Fundamentals of Hospitality Management
MBAHTM 103	Business Communication
MBAHTM 104	Economics of Tourism
MBAHTM 105	Tourism Resources & Products
MBAHTM 106	National & Global Tourism Geography

Semester II

Course Code	Course Title
MBAHTM 201	Marketing Management
MBAHTM 202	Human Resource Management
MBAHTM 203	Accounting & Finance for Tourism
MBAHTM 204	Research Methodology
MBAHTM 205	Fundamentals of Tourism

Choice Based Open Elective Course (One of the following)

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Lang.
UR 238	Fundamentals of Urdu Lang & Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Comp. Applications & Operations
HT 245	Basics of Tourism &Travel Agencies

Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang & Lit.
ECP 248	Introduction to Pahari Lang & Lit.
ECK 249	Introduction to Kashmiri Lang & Lit.
IS 250	Spirituality & Islam
JKCT 252	Culture & Traditions of J&K

Semester III

Course Code	Course Title
MBAHTM 301	Business Policy & Strategic Manag.
MBAHTM 302	Eco Tourism & Sustainable Devel.
MBAHTM 303	Accommodation Management
MBAHTM 304	Tourism Policy & Planning

Choice Based Complementary Elective Courses (Any two of the following)

MBAHTM 305	Wild Life Tourism & Conservation
MBAHTM 306	Adventure & Sports Tourism
MBAHTM 307	Event Management
MBAHTM 308	Industrial Training Report & Presentation

Semester IV

Course Code	Course Title
MBAHTM 401	Entrepreneurship Development
MBAHTM 402	Travel Agency & Tour Operations
MBAHTM 403	Destination Planning and Development
MBAHTM 404	Front Office Management

Choice Based Complementary Elective Courses (Any two of the following)

MBAHTM 405	Food & Beverage Management
MBAHTM 406	Airline, Cargo & Revenue Management
MBAHTM 407	Tourism Management in India
MBAHTM 408	Dimensions of International Tourism

Note : After the examination of 2nd semester the students shall go for industrial training for a period of 2 months following which they will be evaluated on the basis of project report that they submit, its presentation & viva-voce.

Intake   :   20

Eligibility for Admission

- Bachelors' degree (10+2+3 pattern) in any discipline or any other degree from a recognized University.

<div align="center">or</div>

  Passed final examination from the Institute of Chartered Accountants, Cost Accountants and Company Secretaries of India.

<div align="center">or</div>

   Passed A.M.I.E. (Engineering)
- Candidates appearing in the final year examination of the qualifying degree and those, whose result of the same is awaited, can also apply provisionally.

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Note: MBA-H&T programme will run if, the minimum number of students admitted is at least 15.

Fee Structure

Rs 22,750/- per semester to be paid at the start of the respective semester.

Ph. D. Programme

The School offers Ph. D. programme in Management Studies and Hospitality & Tourism. The objective of these programmes is to undertake in-depth investigation of the issues concerning management of business and economy to enrich the decision making processes. At present, ten Ph. D. scholars are pursuing research on themes like Participatory banking and its future in India, Microfinance and its role in financial inclusion of poor and the deprived, MSMEs and their problems; and the role and future of tourism in Rajouri - Poonch region. The other potential areas of research include Management Practices and their impact analysis in public and private enterprises, Human Resource Management, Corporate Social Responsibility, Rural Marketing and Advertising in socio-economic context and issues concerning growth and development of regional economy. The School has already produced Eleven Ph.Ds .

Introduction:

In the continuing task of nation building, BGSB University is at the forefront to promote excellence in higher education through knowledge creation and dissemination despite its relatively young age, in terms of its establishment has been making significant strides in the field of academics, infrastructural developments and other extra-curricular activities so much so that it has reckoned its presence as one of the premier institutions of Jammu and Kashmir.

BGSB University, over the years, has emerged as popular academic destination for the students of J&K and created its own distinctive niche for academic pursuits in this hinterland. After achieving many milestones in recent years, it now looks forward to sustained future development to occupy the coveted position amongst the national Institutions in generaland those of J&K Institutions in particular.

About Program:

Postgraduate Diploma in Journalism and Mass Communication (PGJMC) is a programme for those who want to learn and upgrade their skills in communication, journalism and allied fields. It will also provide an opportunity for working professionals to enhance and update their knowledge and get a formal degree for it. This programme is also aimed at general learners who want to have an understanding of the society and media's role in it, especially in a fast paced, technologically oriented world.

This one programme offers comprehensive study of a wide range of theoretical concepts and functional areas in Journalism and Mass Communication. The skill-based, industry-relevant and research-driven curriculum will be aimed at developing the next generation of media professionals. The learners can learn to generate newspapers in a simulated environment, construct radio broadcasts, plan TV news bulletins, run public relations campaigns, make videos, set up blogs, and work on channels for social media.

The programme will be designed to enable learner sing local multicultural I work environments with critical thinking and behavioral patterns to succeed as future employees. The programme will also benefit the working professionals and those aspiring to be self- employed. Given its scope, the programme will be useful to anybody keen to gain knowledge in the subject area and to make career in the field of journalism and mass communication.

Need and scope of the program:

Media as we know it has become an indispensable part of our lives. Without it, I think we'd barely sustain the economic and demographic environment lest having a path carved to move forward. The enormous sea of information that we have access to, is to the grace of this media. We have come decades ahead from telegrams and fax messages which were the primary mediums of passing sensitive information to the world of the internet and Smartphones where nothing really is ever sensitive.

The 24*7 media has taken us into the whirlpool of its headlines and breaking news and keeps us on our toes with the latest updates. Print media, Cinema, broadcasts, radio and now the Gen Z favorite digital media are now the new improved, tech-savvy, and info-rich tools used to pass on information to the masses.

Currently, the country consumes media through platforms such as TV, OTT, Print, VFX, Radio broadcasts, Gaming, and digital advertisements. India's Ad revenue is forecasted to expand at a CAGR of 4.3% between 2021-2024.

Due to the rapid growth in the number of internet users, the digital avenues are looking at a projection to reach a CAGR of 26% by 2024 including print and TV platforms, making India the six-largest demographic with an industry revenue worth $2.9 Billion.

In recent years, the field of mass media and communication has evolved into a partially interactive concept that touches almost every aspect of human life. And, with the sheer prolife ration of media into our lives through newspapers, television, and the internet the field of mass communication is gaining popularity like never. This course will bring an opportunity to work under/with creative, well-educated people who inspire you to do well. The scope of mass media as a field is increasing and there is never a dearth of job opportunities.

There is an ever-increasing scope for aspirants in the field of Journalism and Mass Communication, considering the growing popularity of mass communication mediums. Its scope in India is wide, if you can do well in your field, you can work with some of the best publishing houses, production houses, news channels, radio channels, or PR firms of the country.

Relevance of the program in the context of Peer Panjal region of Jammu and Kashmir:

In the last one decade, there has been a huge surge of media in its different forms in the twin districts of Rajouri and Poonch. Apart from the traditional media platforms like newspapers, radio and TV, there has been a significant development in various digital / online media platforms. Many young, educated men and women are now taking up media as a career option. However, due to lack of proper domain knowledge and training, many such venture are not getting the due response interns of sustainable development. At, present there are limited avenues of proper education and training in the field of Journalism and mass communication in the UT of Jammu and Kashmir. In the context of the Peer Panjal region, at present, there is no such opportunity available to the students and working professionals who would like to learn the nuances of Media and make a long-term career in this field.

Baba Ghulam Shah Badshah University, being the highest seat of learning will not only bridge this gap but act as a catalyst in the growth and development of media education and industry not only in peer Panjal region but for the entire Country.

Program structure:

A.	**PROGRAMME TYPE**	:	**POST GRADUATE DIPLOMA**
B.	**DURATION**	:	**12 MONTHS**
C.	**SEMESTERS**	:	**TWO**
D.	**MEDIUM**	:	**ENGLISH**
E.	**ELIGIBILITY**	:	Bachelor's Degree in any subject
F.	**PROGRAM FEE**	:	Rs.6000/- per semester
G.	**INTAKE**	:	10 students
H.	**RESERVATION**	:	Reservation policy of the University for PG Programs shall be applicable to this program as well

Diploma in Front Office

The Diploma Course specifically designed to train human resource for Front Office management has been sponsored by Ministry of Tourism, Govt. of India. Front Office of any organization, more so hotels, is the frontispiece. The décor, upkeep, working and etiquette of the front office impacts popularity of the office, hotel or any other organization of which it is part.

Young men and women enrolled in the course will be given theoretical and practical training to make them employable in hotels, lodges, hospitals, nursing homes etc which are mushrooming all over the country including the State of Jammu & Kashmir.

Course Curriculum

Semester I

Course Code	Course Title
DFO 111	Front Office Operations
DFO 112	Principles of Accounting
DFO 113	Business & Inter Office Communication Skills
DFO 114	Basics of Computers

Lab Courses

DFO 160	Front Office practical based on theory
DFO 161	Practical on Computer Applications
DFO 162	Practical on Communication Skills & Office Organization

Semester II

Students will undergo industrial training for 17 weeks in different hospitality & tourism units and after successful completion of training, students will submit Training Report followed by presentation. The total marks will be 500 out of which 350 marks would be for training report and 150 marks for presentation in the ratio 70:30.

Duration : 1 year

Eligibility for Admission

Passed 10+2 examination with at least 45 % marks from a recognized Board of School Education or passed any other examination considered equivalent thereto.

Intake : 15

Fee : Rs. 5400/- (Per Semester)

Note: Above programme will run if, the minimum number of students admitted is at least 10.

Diploma in House Keeping

The Course sponsored by Ministry of Tourism, Government of India, has been introduced in the University with the aim of imparting the skill of House Keeping to such young boys and girls who are not inclined to pursue higher education. The course will help passouts to find employment in the ever-growing multi-million hotel- industry all over the world. The State of Jammu & Kashmir which is becoming hub of domestic and international tourists requires skilled human-resource in House Keeping. The Diploma Course has been so conceived to impart theoretical as well as practical training to the students enrolled in it.

Course Curriculum

Semester I

Course Code	Course Title
DHK 111	Housekeeping Operations
DHK 112	Principles of Accounting
DHK 113	Business & Inter Office Communication Skills
DHK 114	Basics of Computers

Lab Courses

DHK 160	Practical on Housekeeping Operations
DHK 161	Practical on Computer Application
DHK 162	Practical on Communication Skills & Office Organization

Semester II

Students will undergo industrial training for 17 weeks in different Hospitality & Tourism units and after successful completion of training, students will submit Training Report followed by presentation. The total marks will be 500 out of which 350 marks would be for training report and 150 marks for presentation in the ratio 70:30.

Duration :   1 year

Eligibility for Admission

Passed 10+2 examination with at least 45 % marks from a recognized Board of School Education or passed any other examination considered equivalent thereto.

Intake   :   15

Fee : Rs. 5400/- (Per Semester)

Note: Above programme will run if, the minimum number of students admitted is at least 10.

Diploma in Food & Beverage Services

The Course sponsored by Ministry of Tourism, Government of India, has been introduced in the University with the aim of imparting theoretical and practical skills in ever - growing Food & Beverage sector to young boys and girls who, after completion of their course, would be able to find jobs not only in restaurant but in other sectors like industrial catering, institutional catering, multiplexes, etc. As the state of Jammu & Kashmir is becoming hub of domestic and international tourists, the requirement for skilled human resources is always increasing day by day. Therefore, this course has been conceived to impart both theoretical as well as practical training to equip students for jobs in this Sector.

Course Curriculum

Semester I

Course Code	Course Title
DFB 111	Introduction to Food and Beverage Services
DFB 112	Principles of Accounting
DFB 113	Business & Inter Office Communication Skills
DFB 114	Basics of Computers
Lab Courses	
DFB 160	Practical on Food & Beverage Services
DFB 161	Practical on Computer Applications
DFB 162	Practical on Communication Skills & Office Organization

Semester II

Students will undergo industrial training for 17 weeks in different hospitality & tourism units and after successful completion of training, students will submit Training Report followed by presentation. The total marks will be 500 out of which 350 marks would be for training report and 150 marks for presentation in the ratio 70:30.

Duration :   **1 year**

Eligibility for Admission

Passed 10+2 examination with at least 45 % marks from a recognized Board of School Education or passed any other examination considered equivalent thereto.

Intake   :   15

Fee : Rs. 5400/- (Per Semester)

Note: Above programme will run if, the minimum number of students admitted is at least 10.

Faculty	Designation	Qualification
● Dr. Danish Iqbal Raina	**Deputy Director**	MBA, NET, Ph. D.
● Mr. Asrar Gaus	**Coordinator**	MTM, MBA, DHMCT, NET
● Dr. Kafeel Ahmed		MBA, NET, Ph. D.,
● Dr. Jatinder Kumar		MBA, NET, Ph. D.,
● Dr. Vinay Kumar		MBA, NET, Ph. D.,
● Dr. Sharaz Ahmed		MTM, MBA, NET, Ph. D.,
● Dr. Shahnawaz Choudhary		MTM, Ph. D.
● Mrs Priyanka Khajuria		M.Com.

School of Social Sciences

Associate Dean : Dr Ali Asghar Shah

Department of Economics

- M. A. Economics.

- Ph.D.

M. A. Economics

The importance of Economics in everyday life calls for no elucidation. With globalisation the need for sound theoretical background of economics, skills in economic analysis and public policy have become essential. For this reason, Economics graduates and postgraduates are in demand in the job market. The opportunities for students of Economics range from positions in business world, banks, insurance, investment and communication firms, academic institutions, government agencies and trade associations etc.

Course Curriculum

Semester I

Course Code		Course Title
EC	2011	Micro Economics - I
EC	2012	Macro Economics - I
EC	2013	Mathematics for Economics
EC	2914	Economics of Development

Semester II

Course Code		Course Title
EC	2021	Micro Economics - II
EC	2022	Macro Economics - II
EC	2023	Statistical Methods

Choice Based Open Elective Course (Opt any one of the following)

Math	231	Mathematical Tools for Real World Problems
IT	232	IT Soft Skills
Bio	233	Fundamentals of Biotechnology
Bot	234	Mysteries of Green Plants
Bot	235	Mushroom Cultivation
Zol	236	Nutrition, Health & Hygiene
Arb	237	Funda. of Arabic Language
UR	238	Fundamentals of Urdu Language & Literature
IS	239	Islamic Religious Sciences
EVS	240	Environment & Social Issues
Eng	241	Applied English
Edu	242	Higher Education
Eco	243	Principles of Banking
MCA	244	Computer App.& Operations
HT	245	Basics of Tourism &Travel Agencies
Mgt	246	Business Communication
ECG	247	Introduction to Gojri Language & Literature
ECP	248	Introduction to Pahari Language & Literature
ECK	249	Introduction to Kashmiri Lang. & Lit.
IS	250	Spirituality & Islam
JKCT	252	Culture & Traditions of J&K

Semester III

Course Code		Course Title
EC	2031	International Economics
EC	2032	Public Finance
EC	2033	Basic Econometrics

Choice Based Complementary Elective Courses (Opt two of the following courses)

EC	2034	Demography
EC	2035	Industrial Economics
EC	2036	Environmental Economics
EC	2037	Indian Financial System
EC	2038	Islamic Economics

Semester IV

Course Code		Course Title
EC	2041	Theory of Economic Growth
EC	2042	International Political Economy
EC	2043	Indian Economy
EC	2044	Dissertation (Viva Voce & Project work)

Choice Based Complementary Elective Courses (Opt one of the following courses)

EC	2045	Agricultural Economics
EC	2046	J&K Economy
EC	2047	Research Methodology & Computer Applications
EC	2048	Political Economics
EC	2049	Advanced Econometrics

Intake   :   25

Eligibility for Admission

- Bachelors' degree of 10+2+3 pattern with Economics / Mathematics as one of the subjects / B.Com. / BBA / any other degree recognized equivalent thereto from any recognized university.
- Candidates appearing in the Final Year Examination of the qualifying degree or those whose result of the same is awaited, can also apply provisionally.

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee Structure

Rs 16,000/- per semester to be paid at the start of the respective semester.

Faculty	Designation	Qualification
• Dr. Dil Pazir • Dr. Showket Ahmed Mir • Dr. Sajad Ahmad Rather • Ms. Tazeem Akhter	**Head of the Department**	M. Sc. (Agri Econ.), Ph. D., FDP-IIMK Ph. D. Ph. D., NET M.A. (Eco.), NET (JRF), SET

Ph.D. programmes

The Department is running Ph. D. Programme since 2017. The Department has faculty members with lot of research background and experience which helps the scholars to undertake and explore new areas of research in the fields of Economics at micro_ and macro levels. At present, seven scholars are pursing Ph. D.

School of Islamic Studies & Languages

Associate Dean :   Dr Shams Kamal Anjum

Department of Arabic
- B. A. Arabic (Hons.)
- M. A. Arabic
- Ph. D.

Department of Islamic Studies
- M. A. Islamic Studies
- Ph. D.

Department of Urdu
- M. A. Urdu
- Ph. D.

Department of English
- M. A. English
- Ph. D.

Centre for Research in Gojri, Pahari & Kashmiri Languages
- M. A. Gojri & Pahari

M. A. Persian

M. A. Hindi

Department of Arabic

Arabic is a living language with rich literary heritage. It is the official language of 18 Arab countries, fourth language of the world and sixth language of UNO. More than anything else it is the language of holy Qur'an. For these reasons the University established the Department of Arabic the very year it was founded. The Department imparts teaching at under - and post graduate levels and conducts Ph. D. Programme. The passouts find employment in various organizations.

Besides conducting routine classroom teaching, the Department has been regularly organizing seminars, workshops, poetic symposia, exhibitions, Qirat competitions etc, at national and state level.

B. A. Arabic (Hons.)

This is the first Honours Programme launched in Jammu & Kashmir State. The Honours programme is of 3 - years duration, comprising 6 Semesters. The detailed Course Curriculum is given below:

Course Curriculum

Semester I

Course Code	Course Title
BAR 121	Arabic Text - I
BAR 122	Arabic Grammar (Syntax & Morphology) - I
BAR 123	Translation & Composition - I
BAR 124	Oral expression in Arabic - I
BAR 125	Urdu (Ghazal & Nazm) - I
BAR 126	Islamic Studies (Islam: Early Phase) - I
BAR 127	General English - I

Semester II

Course Code	Course Title
BAR 221	Arabic Text - II
BAR 222	Arabic Grammar (Syntax & Morphology) - II
BAR 223	Translation & Composition - II
BAR 224	Oral expression in Arabic - I
BAR 225	Urdu (Qasida, Marsiah, Masnawi & Rubayee) - II
BAR 226	Islamic Studies (Islam: a way of life) - II
BAR 227	General English - II

Semester III

Course Code	Course Title
BAR 321	Arabic Text - III
BAR 322	Arabic Grammar (Syntax & Morphology) - III
BAR 323	Translation & Composition - III
BAR 324	Oral expression in Arabic - III
BAR 325	Urdu (Mazmoon Nigari & Khaka)- III

BAR 326	Islamic Studies (Islamic Civilization under the Abbasid & Muslim Spain)III
BAR 327	General English - IIII
BAR 328	Environmental Science

Semester IV

Course Code	Course Title
BAR 421	Arabic Text - IV
BAR 422	Arabic Grammar (Syntax & Morphology) - IV
BAR 423	Translation & Composition - IV
BAR 424	Oral expression in Arabic - IV
BAR 425	Urdu (Novel & Afsana) - IV
BAR 426	Islamic Studies (Islamic Religious Sciences)-IV
BAR 427	General English - IV

Semester V

Course Code	Course Title
BAR 521	Arabic Prose & Poetry - I
BAR 522	Arabic Grammar (Syntax & Morphology) - V
BAR 523	Translation & Composition - V
BAR 524	Oral expression in Arabic - V
BAR 525	Introduction to the Arab World
BAR 526	Urdu (Drama & Tanzo Mazah) - V
BAR 527	Islamic Studies (Islam in the Modern World) -V
BAR 528	General English - V

Semester VI			
Course Code	**Course Title**	BAR 626	Urdu (Adabi Tanqeed) VI
BAR 621	Arabic Prose & Poetry -II	BAR 527	Islamic Studies (Islamic Tenets
BAR 622	Arabic Grammar (Syntax &		& Institutions) -VI
	Morphology) - VI	BAR 528	General English - VI
BAR 623	Translation & Composition - VI		
BAR 624	Oral expression in Arabic - VI		
BAR 625	History of Arabic Literature		

Intake   :   20

Eligibility for Admission

- Passed 10+2 examination from any recognized Board of Senior Secondary School Education.
- Candidates appearing in the qualifying examination and those whose result of the qualifying examination is awaited can also apply provisionally.

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee Structure
Rs 6900/- per semester to be paid at the start of the respective semester.

M. A. Arabic

The Masters programme in Arabic is of 2 - Years duration and consists of 4 semesters full-time programme. Every enrolled student is required to pass 16 theory and viva - voce courses. Apart from Arabic, the students are imparted teaching in Communicative English which improves their employability.

Course Curriculum

Semester I

Course Code	Course Title
MAR 151	Classical Arabic Prose - I
MAR 152	Classical Arabic Poetry - I
MAR 153	History of Arabic Literature - I
MAR 154	Applied Arabic Grammar
MAR 155	Essentials of Arabic Morphology
MAR 156	Oral Expression in Arabic - I
MAR 157	Communicative English - I

Semester II

Course Code	Course Title
MAR 251	Classical Arabic Prose - II
MAR 252	Classical Arabic Poetry - II
MAR 253	History of Arabic Literature - II
MAR 254	Translation: Arabic English and Vice Versa -I
MAR 255	Oral Expression in Arabic - II
MAR 256	Communicative English - II

Choice Based Open Elective Courses (Any one of the following)

Course Code	Course Title
Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Language
UR 238	Fundamentals of Urdu Language & Literature
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer Applications & Operations
HT 245	Basics of Tourism and Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Language & Literature
ECP 248	Introduction to Pahari Language & Literature
ECK 249	Introduction to Kashmiri Language & Literature
IS 250	Spirituality & Islam
JKCT 252	Culture & Traditions of J&K

Semester III

Course Code	Course Title
MAR 351	Modern Arabic Prose - I
MAR 352	Modern Arabic Poetry - I
MAR 353	Translation: Arabic English and Vice Versa -II
MAR 354	Fundamentals of Literary Criticism
MAR 355	Fundamentals of Rhetoric
MAR 356	Oral Expression in Arabic - III
Electives	**(Any one of the following)**
MAR 357	Arabic Literature in India
MAR 358	Mahjar Literature
MAR 359	History Arabic Literature in Spain
MAR 360	Arabic Prose & Poetry in Spain
MAR 361	Modern Trends in Arabic Literature

Semester IV

Course Code	Course Title
MAR 451	Modern Arabic Prose - II
MAR 452	Modern Arabic Poetry - II
MAR 453	Translation: English Arabic & Vice Versa-III
MAR 454	Research Methodology
MAR 455	Arabic Linguistics
MAR 456	Oral Expression in Arabic - IV

Intake	:	20	10% of the seats (2.5) are reserved for B.A. Arabic (Hons.) passouts of BGSB University. However, they will also be required to fulfill all the eligibility requirements.

Eligibility for Admission

- Bachelors' degree (10+2+3 pattern) or any other degree equivalent thereto from a recognized university with Arabic as one of the subjects.
- Candidates who have appeared or are appearing in the Final Year examination of the qualifying degree are also eligible to apply provisionally.

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee Structure

Rs 13,750/- per semester to be paid at the start of the respective semester.

Ph. D. Programme

The Department has Ph. D. scholars on rolls. A number of Ph.D. Scholars have already passed out. For admission procedure to these programmes, refer chapter Research Programme of Admission Prospectus.

Faculty	Designation	Qualification
● Dr. Shams Kamal Anjum	**Associate Dean**	M. A., Ph. D.
● Dr. Md. Affan	**Coordinator**	M. A., M. Phil., Ph. D.
● Dr. Mohd. Azam		M. A., M. Phil., Ph. D.
● Dr. Manzar Alam		M. A., M. Phil., Ph. D.
● Dr. Aqeela		M. A., Ph. D.
● Dr. Ibrahem		M. A., M. Phil., Ph.D. (NET-JRF)
● Dr. Asif Maik		M. A., Ph. D.

Guest Faculty

Prof. Mohsin Usmani	Former Dean, Faculty of Arts, FLU, Hyderabad
Prof. Zubair Ahmed Farooqi	Former HoD Arabic, JMI, New Delhi
Prof. Kafeel Qasmi	Former Dean of Arts, AMU
Prof. M. N. Khan	Head, Deptt. of Arabic, Delhi University
Prof. M. Aslam Islahi	Former Dean, School of Languages, JNU
Prof. Mohd. Aiyoub Nadvi	Former HoD Arabic, JMI, New Delhi
Prof. Mujeebur Rahman	Deptt. of Arabic, JNU
Prof. Rizwanur Rahman	Chair Person, Centre of Arabic, JNU, New Delhi
Prof. Shad Hussain	Former HoD, Arabic, University of Kashmir
Prof. Misheer Siddiqi	HoD, Arabic, University of Lucknow
Prof. Masud Alam Falahi	HoD, Arabic, KMC, University of Lucknow
Prof. Abdul Majid Qazi	HoD, Arabic, Jamia Millia Islamia, New Delhi
Prof. Manzor Hussain	HoD, Arabic, University of Kashmir
Dr. Naseem Ahmad	Department of Arabic, Jamia Millia Islamia, New Delhi
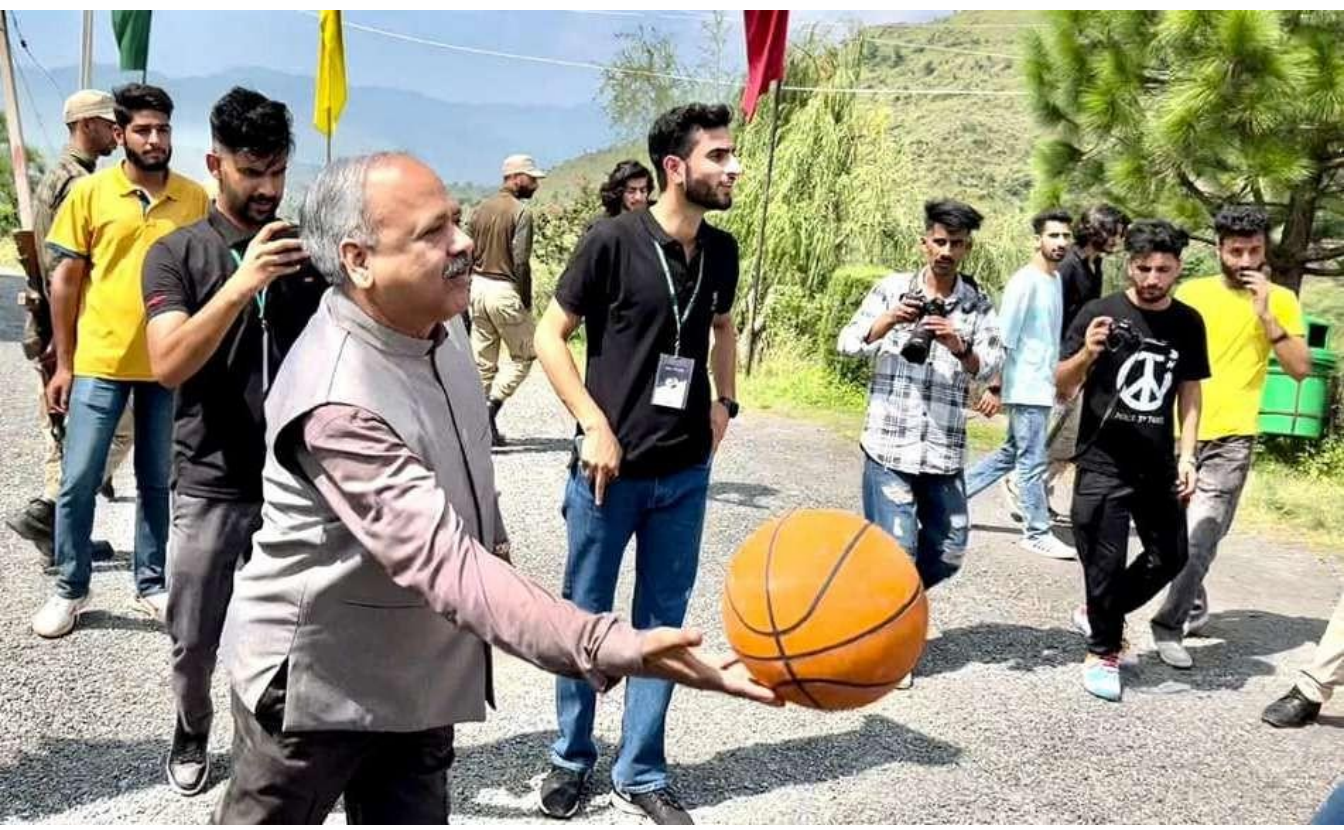
Department of Islamic Studies

School of Islamic Studies and Languages is one of the eight Schools which were initially conceived at the time of inception of this University way back in 2005. For a little over a decade the School continued with a single Department, namely Department of Arabic which offers B.A. Arabic (Hons.), M.A. Arabic and Ph.D. programmes. Department of English was added in 2014. All along this period, the need was felt to start M.A. in Islamic Studies in 2017 and Ph.D. programme in 2018.

The above programmes opened avenues for passouts from dozens of Colleges of the State which teach Islamic Studies as an elective subject at under-graduate level. The programme will help learners in exploring Islam as religion, promoting study of Islamic culture and civilization besides imparting knowledge about social, political, economic and cultural trends in Arab World & other Muslim Countries.

The areas of study of the programme will include history of Islam, Islamic Religious Sciences (Quran, Hadith & Fiqh), Spirituality in Islam, Comparative study of religions, Muslim Philosophy and Islam in the Modern World (Thinkers, Movements & Trends). The programme is thus proposed to help learners in exploring Islam as Religion, promoting study of 'Islamic Culture and Civilization' besides Inter-Community relations & interfaith dialogue.

M.A. Islamic Studies

Course Curriculum

Semester I

Course Code	Course Title
MIS 111	History of Islamic Civilzation (upto Khulafa-i-Rashidin)
MIS 112	Introduction to Islamic Studies
MIS 113	Islamic Religious Sciences - I (Study of the Quran)
MIS 114	Islamic Religious Sciences - II (Study of the Hadith)
MIS 115	Proficiency in Arabic - I
MIS 116	Ethics in Islam

Semester II

Course Code	Course Title
MIS 211	History of Islamic Civilization (Umayyads and Abbasids)
MIS 212	Ilm-al-Kalam and Muslim Philosophy
MIS 213	Islamic Religious Sciences-III (Study of Fiqh)
MIS 214	Human Rights in Islam
MIS 215	Proficiency in Arabic - II

Choice Based Open Elective Courses (Opt any one of the following courses)

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Lang.
UR 238	Fundamentals of Urdu Lang.& Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Comp. Applications & Operations
HT 245	Basics of Tourism and Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang.& Lit.
ECP 248	Introduction to Pahari Lang.& Lit.
ECK 249	Introduction to Kashmiri Lang.& Lit
IS 250	Spirituality & Islam
JKCT 252	Culture & Traditions of J&K.

Semester III

Course Code	Course Title
MIS 311	History of Islamic Civilization (West Asia and Africa)
MIS 312	Islam in Modern World -West Asia & Africa (Thinkers, Trends & Movements)
MIS 313	Tasawwuf : Origin & Development
MIS 314	Research Methodology
MIS 315	Proficiency in Arabic - III

Complementary Choice based Electives (Any one of the following)

MIS 316	Islamic Economics & Finance
MIS 317	Islam & Science
MIS 318	Islam & Gender Studies
MIS 319	Islamic Culture & Society in Jammu & Kashmir
IS 320	Contemporary Global Issues and

Semester IV		
Course Code	**Course Title**	
MAI 411	History of Islamic Civilization (South Asia) Islamic Response	
MIS 412	Islam in the Modern World: South Asia (Thinkers, Trends & Movements)	
MIS 413	Major World Religions	
MIS 414	Islam and Fine Arts	
MIS 415	Proficiency in Arabic - IV	
MIS 416	Dissertation & Viva - Voce	

Intake   :   20

Eligibility for Admission

- Bachelors' degree (10+2+3 pattern) or any other degree equivalent thereto from a recognized university.
- Candidates who have appeared or are appearing in the Final Year examination of the qualifying degree are also eligible to apply provisionally.

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee Structure

Rs 13,750/- per semester to be paid at the start of the respective semester.

Ph. D. programme

The Department offers research programme leading to Ph. D. degrees in Islamic Studies. For details regarding this programme, refer chapter 'Research porgamme' of Admission Prospectus.

Faculty	Designation	Qualification
● Dr. Naseem Gul Dar	**Coordinator**	M. A., NET, Ph. D.
● Dr. Mohd Younus Kumar		M. A., M.Phil., NET-JRF, Ph. D.
● Dr. Naveed Anjum		M. A., NET-JRF, Ph. D.
● Dr. Mubeeb Ahmed		M. A., NET-SET, Ph. D.

Department of Urdu

The University has School of Islamic Studies and Languages with Masters programmes in Arabic, Islamic Studies and English. Urdu is taught at undergraduate level to students of B. A. Arabic (Hons.) There was persistent demand for introduction of Masters Degree programme in Urdu in view of the fact that it is taught at undergraduate level in all Colleges of the twin districts of Rajouri and Poonch and the passouts have no avenues for pursuing it at postgraduate level. Moreover Urdu is the official language of Jammu & Kashmir State and the second most popular language of the country.

M. A. Urdu

Course Curriculum

Semester I

Course Code	Course Title
MUR 111	Classical Urdu Ghazal
MUR 112	Urdu Masnavi
MUR 113	Urdu Qasida
MUR 114	Urdu Marsiya
MUR 115	Urdu Zuban Ki Tareekh

Semester II

Course Code	Course Title
MUR 211	Jadeed Urdu Ghazal
MUR 212	Jadeed Urdu Nazm
MUR 213	Urdu Novel
MUR 214	Urdu Afsana

Choice Based Open Elective Courses (Any one of the following courses)

Course Code	Course Title
Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Lang.
UR 238	Fundamentals of Urdu Lang. & Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer Aplp. & Operations
HT 245	Basics of Tourism & Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang. & Lit.
ECP 248	Introduction to Pahari Lang. & Lit.
ECK 249	Introduction to Kashmiri Lang. & Lit.
IS 250	Spirituality & Islam
JKCT 252	Culture & Traditions of J&K

Semester III

Course Code	Course Title
MUR 311	Ghair Afsanavi Nasr
MUR 312	Urdu Adab ki Tareekh
MUR 313	Urdu Drama
MUR 314	Urdu mein Adabi Tehreekat-o-Rujhanat
Electives	**(Any one of the following)**
MUR 315	Special Study of Mir Taqi Mir
MUR 316	Special Study of Allama Iqbal
MUR 317	Special Study of Prem Chand
MUR 318	Special Study of Sir Syed
MUR 319	Translation Urdu to English and Vice Versa

Semester IV

Course Code	Course Title
MUR 411	Urdu Tahqueeq
MUR 412	Urdu Tanqeed
MUR 413	Urdu mein Taneesiyat
MUR 414	Zaraye Tarseel-o-Iblagh
MUR 415	Project Report (Maqala)

Intake : 20

Eligibility for Admission

- Bachelors' degree (10+2+3 pattern) or any other degree equivalent thereto from a recognized university with Urdu as one of the subjects.
- Candidates who have appeared or are appearing in the Final Year examination of the qualifying degree are also eligible to apply provisionally.

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee Structure

Rs 13,750/- per semester to be paid at the start of the respective semester.

Ph.D. Programme

The Department offers research programmes leading to Ph. D. degree in Urdu. For details regarding for this programme, refer chapter 'Research porgamme of Admission Prospectus.

Faculty	Designation	Qualification
● Dr. Layaqat Nayyar ● Dr. Mohd. Asaf Malik ● Dr. Rizwana Shamsi ● Dr. Mohd Ayoub	**Coordinator**	M. A., Ph. D. M. A., M.Phil., Ph. D. M. A., M. Phil., Ph. D., NET M. A., Ph. D.

Department of English

On account of its reach and richness, English language has grown in its popularity and has become the lingua franca. Even countries averse to it in the past are attempting to gain proficiency in this language. With the world having shrunk and the job and trade markets becoming open to all irrespective of nationality more and more young Indians are moving out of the Country in pursuit of greener pastures. Proficiency in English provides them an edge over others. No wonder, therefore, it is satisfying to find Indians occupying high positions in all spheres the World over.

Indians have lately taken to writing in English. Quite a few have earned distinction and their writings are in great demand. In view of its richness as language and the help it provides in gaining employability, the University has started full time post - graduate programme in English of two years duration and consists of four semesters.

Academic Activities

- Exhibition on "Art and Culture of Jammu and Kashmir".
- Student Seminar on the Eve of Gandhi Jayanti in October,on the topic "Relevance of Gandhian Philosophy in Modern Times".
- Study visits to regional writers.
- Lecture series delivered by prominent regional writers.
- Study visit to Shah Sattaar.
- Exhibition of "Women Writers".

Course Curriculum

Semester I

Course Code	Course Title
Eng 111	Literary Theory & Criticism - I
Eng 112	British Drama - I
Eng 113	British Poetry - I
Eng 114	British Novel - I
Eng 115	British Non - Fictional Prose

Semester II

Course Code	Course Title
Eng 222	Literary Theory and Criticism - II
Eng 223	British Drama - II
Eng 224	British Poetry - II
Eng 225	British Novel - II

Choice Based Open Elective Courses (Opt any one of the following courses)

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Language
UR 238	Fundamentals of Urdu Lang. & Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Comp. Applications & Operations
HT 245	Basics of Tourism &Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang.& Lit.
ECP 248	Introduction to Pahari Lang.& Lit.
ECK 249	Introduction to Kashmiri Lang.& Lit.
IS 250	Spirituality & Islam
JKCT 252	Culture & Traditions of J&K

Semester III

Course Code	Course Title
Eng 333	Literary Theory&Criticism - III
Eng 334	Modern Drama
Eng 335	Modern Poetry
Eng 336	Modern Novel
Eng 337	English Language Teaching (ELT)

Semester IV

Course Code	Course Title
Eng 444	American Literature
Eng 445	Indian Writing in English
Eng 446	New Literature
Eng 447	Literature in Translation

Choice Based Complementary Elective Courses (One of the following courses)

Eng 555	Literature and Gender
Eng 556	Aspects of Language
Eng 557	World Literature

Intake : 40

Eligibility for Admission

- Bachelors' degree of 10+2+3 pattern with English Literature as one of the subjects or any other degree recognized equivalent thereto from any recognized university. In case seats are available graduates without English Literature will be considered.
- Candidates who have appeared or are appearing in the Final Year examination of the qualifying degree are also eligible to apply provisionally.

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee Structure

Rs 22,750/- per semester to be paid at the start of the respective semester .

Ph. D. Programme

The Department offers research programme leading to Ph. D. Degree in English. For details regarding for this programme, refer chapter 'Research porgamme' of Admission Prospectus.

Faculty	Designation	Qualification
● Dr. Romina Rashid	**Head of the Department**	M.A., Ph. D., SLET
● Dr. Mariya Aslam		B.Ed., M.A., SET, Ph.D.
● Dr. Shachi Sood		M.A., Ph. D.
● Mr. Tanvir Ahmed		M.A., M. Phil., SET
● Dr. Shah Sajad Hyder		B. Ed., M.A., Ph.D.

M.A. Gojri and Pahari

BGSB University is located in a region which has rich geographic, climatic and cultural diversity. The major languages spoken in the Pir Panchal region are Gojri and Pahari. Unfortunately, both the languages failed to gain attention of the academic institution within and outside the state. Most of the time, languages go extinct because their speakers are absorbed by a dominant language or culture group. In the age of Globalization dominant with ICT and Corporate culture, the risk of languages being lost is high if it is not taught to younger generations. Language being important part of any society, if not preserved, future generations may lose vital part of the their culture. Realizing its significance, BGSBU took the laudable initiative to establish a dedicated Centre for Research in Gojri & Pahari and Kashmiri Languages (CRGPKL).

Gojri is the mother tongue of over 20 million people residing in various parts of India particularly in Jammu & Kashmir, Himachal Pradesh, Rajasthan, Punjab, Haryana, Delhi, Uttar Pradesh, Madhya Pradesh, Gujarat and Uttarakhand. Noted poet-musician Hazrat Amir Khusro formally made the mention of the Gojri language in the list of eight Indian languages of his time. Pahari is widely spoken in the Himalayan region is historically ancient language, having been mentioned by the authors like Pliny and Herodotus and figuring in India's epic poem, the Mahabharata. Although the Pahari population in Jammu and Kashmir is predominantly distributed in Pir-Panchal (District Poonch, Rajouri & Reasi), besides, Districts Shopian, Ganderbal, Kupwara & Baramulla in Kashmir Valley, the Baba Ghulam Shah Badshah University Rajouri, is thus, strategically the central place for the proposed academic activities that will play significant role in encouraging and protecting Pahari history, culture and language in particular.

The Jammu & Kashmir Government is all set to introduce Gojri & Pahari at UG and PG levels in institutions of Higher Education. In view of this, the scope and significance of the 'PG programmes in Gojri & Pahari Languages increases many folds. With this background, BGSBU has introduced the PG Programme (M.A.) in Gojri and Pahari under the aegis of the Centre for Research in Gojri, Pahari and Kashmiri Languages (CRGPK) under School of Islamic Studies & Languages, from the ensuing academic session-2022.

Course Curriculum

Course Code	Course Title
MGP-101	History of Gojri & Pahari Civilization
MGP-102	Gojri& Pahari Culture & Traditions
MGP-103	History of Gojri & Pahari Languages
MGP-104	Gojri & Pahari Folklore
MGP-105	Applied Gojri & Pahari Linguistics

Semester II

Course Code	Course Title
MGP -201	Modern Gojri& Pahari Literature
MGP -202	Classical Gojri& Pahari Poetic Genres
MGP -203	Modern Gojri& Pahari Poetic Genres
MGP -204	Study of Mian Muhammad Bakhsh

Choice Based Open Elective Course from Other Disciplines

Course Code	Course Title
Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Language
UR 238	Fundamentals of Urdu Lang. & Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English

Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Comp. Applications & Operations
HT 245	Basics of Tourism &Travel Agencies
Mgt 246	Business Communication
MGP- 205	Introduction to Gojri Lang.& Lit.
MGP- 206	Introduction to Pahari Lang.& Lit.
MGP-207	Introduction to Kashmiri Lang.& Lit.
IS 250	Spirituality & Islam
JKCT 252	Culture & Traditions of J&K

Semester III

Course Code	Course Title
MGP-301	Jadid Gojri & Pahari Ghazal
MGP-302	Jadid Gojri & Pahari Nazm
MGP -303	Jadid Gojri & Pahari Afsana
MGP -304	Gojri & Pahari Drama & Novel

Any one of following Electives (CBCS Electives)

Course Code	Course Title
MGP -305	Special Study of Israel Asr
MGP-306	Special Study of Sabir Mirza

Semester IV

Course Code	Course Title
MGP -401	Gojri & Pahari Adabi Tehqeeq (Research)
MGP-402	Gojri & Pahari Adabi Tanqeed (Criticism)
MGP-403	Non-Fictional Prose & Sahafat
MGP-404	Gojri Tarjuma Nigari
MGP -405	Dissertation/ Project Report

Intake : 10

Eligibility for Admission:

Bachelors degree (10+2+3 pattern) or any other degree equivalent thereto from a recognized University.

Candidates who have appeared or are appearing in the final year examination of the qualifying degree are also eligible to apply provisionally.

Procedure for Admission

- Admission to M.A Gojri & Pahari programme is conducted through Entrance Test, dates for which will be notified through print and electronic media, at BGSB University Campus, Rajouri & such other Centres in Jammu & Srinagar which will be notified later.

- Syllabus and Model Question Paper for the Test can be downloaded from the University website. Applicants are required to collect Admit Card for the Entrance Test from Centre for Reserach in Gojri, Pahari & Kashmiri Languages / Jammu Camp office / Regional office, Srinagar.

  Selection shall be made on the basis of marks secured by applicants in the Entrance Test.

Fee: Rs. 13,750 per semester

Faculty	Designation	Qualification
● Dr. Ali Asghar Shah	**Coordinator**	M. Sc, Ph. D
● Dr. Rafique Anjum	Chair Professor	M.D, M.A. Ph.D.
● Dr. Mushtaq Ahmed		M.A., Ph.D. NET
● Dr. Mohd Arshad Kassana		M.A., Ph.D.
● Dr. Aftab Hussain Shah		M.A., Ph.D. NET

M.A. Persian

There has been persistent demand to start post graduate program in Persian at Baba Ghulam Shah Badshah University, Rajouri. Considering the fact that Persian is a very old language with dominating presence in Urdu, Arabic and other ancient classical languages and caters to composite culture, it needs to be nurtured and promoted more so because most valuable and authentic manuscriptson historical, social and political themesare available in Persian and hence Persian serves as a primary source for knowledge and research endeavors.In J& K Persian is deep-rooted since most of its official records are available in Persian which greatly underlines the significance of study of Persian not only as a language but also as an important connecting link to explore and disseminate our ancient literature into other modern languages. With the aforesaid background, the University has introduced P.G.Programmein Persian i.e. M.A.(Persian) at Baba Ghulam Shah Badshah University, Rajouri with effect from the forthcoming academic session 2023-24.

Course Curriculum

Semester-I

Course Code	Course Title
MPR-101	Classical Persian Prose-I
MPR-102	Classical Persian Poetry-
IMPR-103	History of Persian Literature-I
MPR-104	Applied Persian Grammar and prosody
MPR-105	Translation English Persian and Vice Versa-I
MPR-106	Oral Expression in Persian-I

Semester-II

Course Code	Course Title
MPR-201	Classical Persian Prose-II
MPR-202	Classical Persian Poetry-II
MPR-203	History of Persian Literature-II
MPR-204	Translation English Persian and Vice Versa-II
MPR-205	Oral Expression in Persian-II

Choice Based Open Elective Course:

PER-206	Fundamentals of Persian Languages (for non-Persian students)
Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Language
UR 238	Fundamentals of Urdu Lang.
	& Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Comp. Applications & Operations
HT 245	Basics of Tourism &Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang.& Lit.
ECP 248	Introduction to Pahari Lang.& Lit.
ECK 249	Introduction to Kashmiri Lang.& Lit.
IS 250	Spirituality & Islam
JKCT 252	Culture & Traditions of J&K

Semester-III

Course Code	Course Title
MPR-301	Modern Persian Prose-I
MPR-302	Modern Persian Poetry-I
MPR-303	Research Methodology
MPR-304	Oral Expression in Persian-III

Elective (any two of the following)

MPR-305	Special study of Allama Iqbal
MPR-306	Special study of Shaikh Sadi
MPR-307	Special study on Mirza Ghalib
MPR-308	Impact of Iranian Culture on Indian Culture

Semester-IV			MPR-403	Indo Persian Literature
Course Code	**Course Title**		MPR-404	Literary Criticism in Persian
MPR-401	Modern Persian Prose-II		MPR-405	Persian Rhetoric
MPR-402	Modern Persian Poetry-II		MPR-406	Persian Lexicography
			MPR-407	Viva Voce

Intake   :   10

Eligibility for Admission:

Bachelor of Arts (Honours) in Persian from any Government University.

Or

Bachelor degree with Persian as a subject in any two semesters of graduation

Or

B.A, B.Sc. With advance Diploma in Persian

Or

Bachelor degree in any subject with fair knowledge of persian language and literature and proficiency in Perso-Arabic script

Candidates who have appeared or are appearing in the final year examination of the qualifying degree are also eligible to apply provisionally.

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee: Rs. 13,750 per semester

Faculty	Designation	Qualification
● Dr. Shams Kamal Anjum	Coordinator	M.A., Ph. D.
● Dr. Mohammad Kousar Ali		M.A., Ph.D.
● Dr. Akhter Hussain		M.A., Ph.D.

Hindi is the most widely spoken Indo-Aryan Language among nearly three hundred languages spoken in India, with its speakers more wide spread in North, Central, Eastern and Western Indian states. Hindi written in Devnagri script is one of the two official languages of the Government of India along with English and one of the 22 Scheduled languages enshrined in Indian Constitution. The article 351 of the Indian constitution provides:"It shall be the duty of the Union to promote the spread of the Hindi language, to develop it so that it may serve as a medium of expression for all the elements of the composite culture of India…"

As BGSBU is the only institute of higher learning in Pir-Panchal, region of Jammu and Kashmir, the teaching and research in Hindi will open new vistas of growth and development for young students of this region to disseminate the cultural, historical, linguistic and related aspects of J&K with special focus on Pir-Panchal Region in the other part of India particularly in Hindi speaking belt of the country. Further the knowledge of Hindi is bound to develop a better understanding and stronger covalent bond between different social denominations by an inclusive approach, dispelling the clouds of communication gaps. In view of this, BGSBU has decided to introduce Masters programme in Hindi from the forthcoming academic session, 2023-24.

Course Curriculum 1]

SEMESTER-I [सत्र 1]

Courses:	Course Title
MAH 101	हिंदीसाहित्यकाइतिहास
MAH 102	मध्यकाल - I
MAH 103	मध्यकाल - II
MAH 104	वैकल्पिकपाठ्यक्रम क) जायसी ख) तुलसीदास ग) घनानंद

SEMESTER-II [सत्र 2]

Course Code	Course Title
MAH 201	भारतीयएवंपाश्चात्यआधुनिकसाहित्यसिद्धांत
MAH 202	हिंदीभाषाकाइतिहास
MAH 203	आधुनिककविता
MAH 204	वैकल्पिकपाठ्यक्रम क) भारतेन्दुहरिश्चंद्र ख) जयशंकरप्रसाद ग) निराला

SEMESTER-III [सत्र 3]

Course Code	Course Title
MAH 301	नाटक और रंगमंच
MAH 302	आधुनिक कविता-II
MAH 303	हिंदी कहानी
MAH 304	वैकल्पिक पाठ्यक्रम क) फणीश्वरनाथ रेणु ख) अज्ञेय ग) हरीश तनवीर

SEMESTER-IV [सत्र 4]

Course Code	Course Title
MAH 401	हिंदी आलोचना
MAH 402	कथेतर गद्य
MAH 403	हिंदी उपन्यास
MAH 404	वैकल्पिक पाठ्यक्रम क) भारतीय साहित्य ख) संस्कृत साहित्य ग) उर्दू साहित्य

Intake   :   10

Eligibility for Admission:

Bachelors degree (10+2+3 pattern) or any other degree equivalent thereto from a recognized University with Hindi as one of the subject.
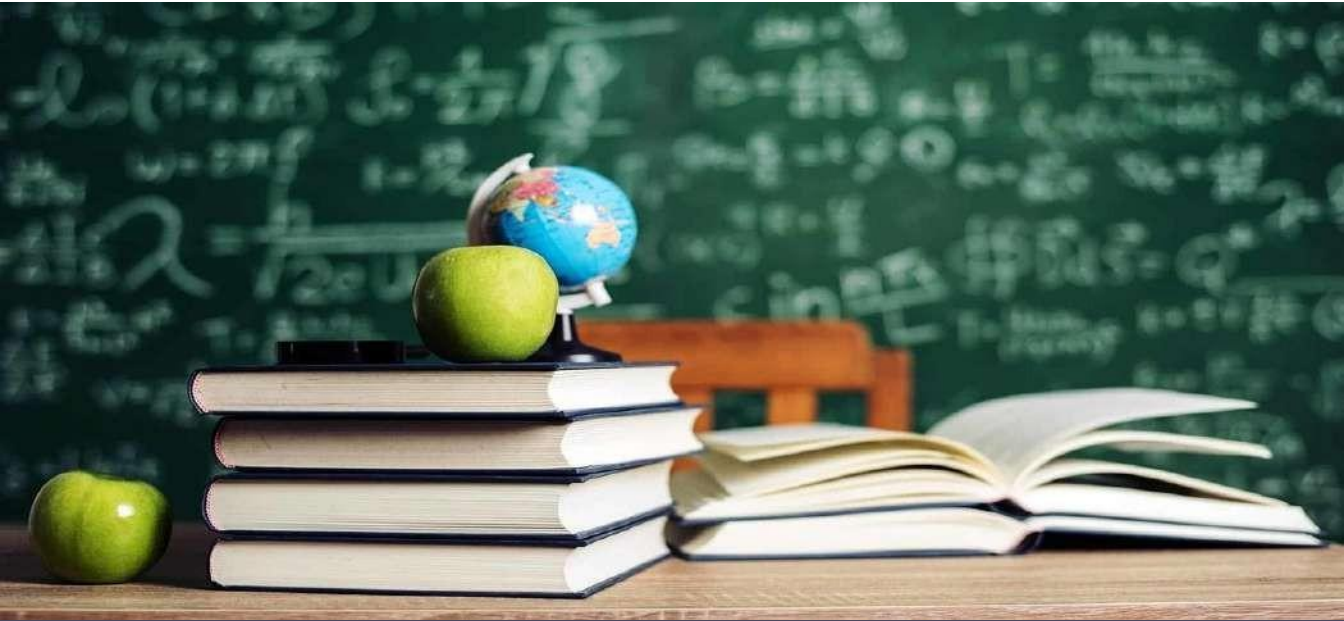
Candidates who have appeared or are appearing in the final year examination of the qualifying degree are also eligible to apply provisionally.

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee: Rs. 13,750 per semester

Programme Coordinator

Dr. Rizwana Shamsi,
Assistant Professor, Department of Urdu.

School of Education

Associate Dean : Dr Shams Kamal Anjum

Department of Education

- M. A. Education
- Ph. D.

School of Education

Profile

The Department was established in 2014. The faculty is contributing considerably to the promotion of teaching and research in Education. The course contents are in tune with changing trends in teaching and learning technologies, resources and services and systems and networks. The Department aims at providing instruction by making use of a combination of indigenous and innovative methods of teaching. Curriculum is constantly evolving on globally acceptable changes and continuously renewing itself through rigorous programme evaluation.

Vision

> To emerge as an nationally / internationally accredited Department of Education with a capacity to design and provide quality assured opportunities of studies, extension, development, consultancy and research in Education.

Mission

> To produce nationally / globally acceptable Human Resources through :

- Instruction : Providing instruction by making use of a combination of indigenous and Innovative methods of teaching.
- Curriculum: Evolving globally acceptable curriculum and continuously renewing the same by means of programme evaluation.
- Research: Advancing the frontiers of knowledge in Education and Teacher education by means of both quantitative and qualitative researches at basic, applied and action level.
- Extension: Extending the wealth of knowledge of education to the practitioners of education and hitherto inaccessible sections of the society.
- Development: Developing advanced programmes, tools and techniques which are useful in the field of education.

M. A. Education

The Master of Arts in Education (M. A. Education) is a two year (04 semester) programme that provides an opportunity for students in the field of Education to pursue higher education and undertake advanced course work and research. The course offers excellent career prospects in terms of advancement of knowledge and qualification and ultimately making them qualified professional and later researchers.

The M.A. Education programme aims at producing a team of well-trained individuals knowledgeable in Education and its various dimensions. More specifically the M. A. Education programme intends to:

- Provide learning experience, which will enable students to understand and appreciate knowledge structure paradigms of Education.
- Develop professional for effective participation in educational actions in different areas of Education.
- Create a community of scholars adequately equipped for participation in Educational discourses.

Course Curriculum

Semester I

Course Code	Course Title
M.A-Ed 101	Philosophical Perspectives of Education-I
M.A-Ed 102	Sociological Foundations of Education-I
M.A-Ed 103	Psychological Foundations of Education-I
SEC	Skill Enhancement Course Personality Development

Optional Papers (Any one of the following)

Course Code	Course Title
M.A-Ed 104	Early Childhood Care and Education (ECCE)
M.A-Ed 105	Guidance and Counselling
M.A-Ed 106	Adolescence Education
M.A-Ed 107	Environmental Education

Semester II

Course Code	Course Title
M.A-Ed 201	Philosophical Perspectives of Education-II
M.A-Ed 202	Sociological Foundations of Education-II
M.A-Ed 203	Psychological Foundations of Education-II
AEC	Ability Enhancement Course-Mental Health and Adjustment

Optional Papers (Any one of the following)

Course Code	Course Title
M.A-Ed 204	Education and Mental Health
M.A-Ed 205	Gender Education
M.A-Ed 206	Comparative Education
M.A-Ed 207	Elementary Education

Semester III

Course Code	Course Title
M.A-Ed 301	Methodology of Educational Research-I
M.A-Ed 302	Policy Perspectives & Issues in Indian Education
M.A-Ed 303	Statistics in Education
OGE-I	Open Generic Elective (Value Education)

Optional Papers (Any one of the following)

Course Code	Course Title
M.A-Ed 304	Special Education
M.A-Ed 305	Teacher Education
M.A-Ed 306	Educational Planning and Finance
M.A-Ed 307	Secondary Education

Semester IV

Course Code	Course Title
M.A-Ed 401	Methodology of Educational Research-II
M.A-Ed 402	Instructional Technology
M.A-Ed 403	Educational Measurement and Evaluation
OGE-II	**Open Generic Elective (Higher Education)**

Optional Papers (Any one of the following)

Course Code	Course Title
M.A-Ed 404	Educational Administration and Supervision
M.A-Ed 405	Curriculum Development
M.A-Ed 406	Value Education
M.A-Ed 407	Higher Education
M.A-Ed 408	Dissertation

<u>Intake</u>   :   **25**

Eligibility for Admission

A candidate seeking admission to regular M. A. Education programme must have passed final year of Bachelor's Degree Examination (10+02+03) from a recognized University / Institution.

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee Structure

Rs 16,000/- per semester to be paid at the start of the respective semester.

Ph. D. Programme:

Ph. D. Programme of the School aims at developing competencies of the methodology of conducting research in various fields of teacher education so that it could go a long way in producing reliable and valid thesis with the objectives of :

- To develop sound understanding of the methods of research in various field of teacher education, so that it can go a long way in producing reliable and valid thesis.
- To understand and analyze research literature to identify research gaps.
- To develop the ability to construct and use appropriate educational research tools.
- To apply appropriate statistical techniques of data analysis depending on the research designs.

Faculty	Designation	Qualification
● Dr. Nayyar Jabeen	**Coordinator**	M. Sc., M. Ed., Ph. D., NET
● Dr. Nasreen Qusar		B. Ed., M.A., Ph. D.
● Dr. Azad Ahmad Andrabi		M. Sc., M.A., M. Ed., Ph. D., NET
● Dr. Mohd Yousif		Ph. D.
● Dr. Ghulam Sarwer		B.Ed., M.A., NET & SET, Ph. D.
● Dr. Syed Zahra		Ph. D.

School of Biosciences & Biotechnology

A Dean : Ali Asghar Shah

Centre for Biodiversity Studies

- M. Sc. Environmental Sciences

Department of Biotechnology

- M. Sc. Biotechnology
- Ph. D.

Department of Botany

- M. Sc. Botany
- Ph. D.

Department of Zoology

- M. Sc. Zoology
- Ph. D.
- M. Sc. Microbiology

School of Biosciences and Biotechnology

The School comprises the Centre for Biodiversity Studies, the Pir Panjal Biodiversity Park and three postgraduate Departments which impart teaching in Biotechnology, Botany, Zoology, Microbiology. Research is an important component of the mandate of the School and the Centre for Biodiversity Studies, the other two being Teaching and Extension. The research programmes of the School have attracted liberal funding from different National agencies. Today, the School has over a dozen scholars involved in research in classical and modern biology. The faculty is well qualified. Besides being involved in their own research pursuits they supervise research leading to Ph.D. Degree. The Department has produced seven Ph. D. theses and five batches of M. Phil.

Ongoing Research Projects

- Development of DNA Barcode for rapid identification of Rhabditid nematodes (DBT, New Delhi)
  Principal Investigator : Dr. Ali Asghar Shah   **Rs. 45,66,000**

- Bio activity of secondary metabolites and thallus extracts from Lichens against Pathogens (DBT, MS&T, GOI, New Delhi).
  Principal Investigator : Dr. Mamta Bhat   **Rs. 8,00,000**

- Conservation Genetics and Species recovery of threatened Himalayan Trillium in Hirpora Wildlife Sanctuary, Kashmir Himalaya (DBT, New Delhi).
  Principal Investigator : Dr. Tanvir-Ul-Hassan Dar   **Rs. 41,80,000**

- A biotechnological approach to elucidate adaptation mechanism, migration pattern and reproductive biology of indicator temperate – alpine plants in Himalayas in response to changing climate (DBT, New Delhi).
  Principal Investigator : Dr. Tanvir-Ul-Hassan Dar   **Rs. 28,30,800**

- Livelihood enhancement and economic empowerment of Gujjar and Bakerwal Tribals through rural technology Interventions in District Rajouri (J&K), India (DST)
  Principal Investigator : Dr. Mohd Hanief   **Rs. 13,12,000**

- Molecular mechanisms mediating protective effect of Mentha longifolia and Mentha arvensis against chemotherapy induced gastrointestinal mucositis in animal models (UGC, New Delhi).
  Principal Investigator : Dr. Raja Amir Hassan   **Rs. 10,00,000**

- Evaluation of anthelminitic properties of etho-medicinal plants used by the Gujjar and Bakarwal tribes of Pirpanjal range of Jammu and Kashmir, against the animal parasitic disease, Fasciolosis and amphistomiasis. (UGC, New Delhi).
  Principal Investigator : Dr. M. A. Hannan Khan   **Rs.10,00,000**

- Chemo-profiling and anticancer potential of Apium leptophyllum fruits (UGC, New Delhi).
  Principal Investigator : Dr. Mohd Salim Reshi   **Rs.10,00,000**

- Studies on caddisflies of Pirpanjal range using morphological and molecular approaches. (UGC, New Delhi).
  Principal Investigator : Dr. Sajad Hussain Parey   Rs.10,00,000

- Enterpreneurship Development Among Tribal men and women through scientific beekeeping in District Rajouri,(J&K). (NHMS-MoEF).
  Principal Investigator : Dr. Sajad Hussain Parey   Rs. 57,38,880

- Nitric oxide and polyamine mediated reversal of low temperature-induced photosynthetic inhibition in Lycopersicon esculentum (UGC, New Delhi).
  Principal Investigator : Dr. Mohd Asgar   Rs. 10,00,000

- Study on expression of extended spectrum β - Lactamase and Metallo β - lactamase and screening rich repertoire of plant phytochemicals of Pir Panjal region affective of E.coli, (UGC, New Delhi).
  Principal Investigator : Dr. Arif Tasleem Jan   Rs. 10,00,000

- Structural mapping of metallo-beta-lactamaseby investigating the role of active site, peripheral and structural amino acid residues on its catalytic proficiency using mutagenic approaches. UGC (Startup Grant)
  Principal Investigator : Dr. Mohd Shoeb Ahmad   Rs. 10,00,000

- Developing methods for tolerance against drought and heat stress in *Zea mays* and *Phaseolus vulgaris* grown in Pir Panjal region of Jammu and Kashmir, DST-SERB.
  Principal Investigator : Dr. Mohd Asger   Rs. 33,00,000

- Expressional and functional studies of Matrix Gla protein (MGP)towards elucidating its role and interaction with other proteins of extracellular matrix for rational drug designing in overcoming the odyssey of muscle loss), DST-SERB.
  Principal Investigator : Dr. Arif Tasleem Jan   Rs. 70,00,000

- Impact of Climate change on Phenology and reproductive biology of two economically important Himaliyan plant species, Dodonaea Viscosa and Olea ferruginea, UGC.
  Principal Investigator : Dr. Mohd Asger   Rs. 10,00,000

- Morphological and Molecular Assessment of Cadish Flies (Hydropsychidae: Trichoptera: Insecta) of Northwest Himaliyas towards understanding their Phylogenetic relationship, SERB,DST,GOI India
  Principal Investigator : Dr. Sajad Hussain Parey   Rs. 54,14,825

- Pharmaco-therapeutic evaluation of medicinal plants of Pir Panjal region for elucidating their efficacy and possible mechanism of action in the treatment of waterborne infectious diseases" Sponsored by JK Science Technology & Innovation Council, Department of Science & Technology.
  Principal Investigator : Dr. Arif Tasleem Jan   Rs. 4,00,000.

- Assessing the Floristic Diversity and Ecosystem Level Carbon Sequestration Potential of Pir Panjal Region of Rajouri, J&K" Sponsored by JK Science Technology & Innovation Council, Department of Science & Technology.
  Principal Investigator : Dr. Mohd Hanief   Rs. 8,75,000

Internet & Library

The School maintains a library which is being enriched regularly with financial support from DBT, Govt. of India, the UGC grant and gifts received from different sources.

- It also has a Wi-Fi enabled Internet facility which feeds all laboratories and teachers' cabins for use by the faculty and students.
- The School has received extramural funds for teaching and research from various funding agencies to the tune of about rupees 9 Crores.

Centre for Biodiversity Studies

Centre for Biodiversity Studies (CBS) was established in Baba Ghulam Shah Badshah University in the year 2005 as founder constituent of the School of Biosciences & Biotechnology. It started functioning in

2007, with the specific mandate to undertake studies on biodiversity of the local terrain in particular and of the Pir Panjal Himalayan mountain range in general. A comprehensive Road Map for its functioning was prepared in 2008. Following its establishment, two important adjuncts were added to it: the Biodiversity Park christened as the Pir Panjal Biodiversity Park, and the BGSBU Botanical Garden. The Centre is involved in activities broadly classifiable into three categories:

1. Teaching (M.Sc. Environmental Sciences)
2. Research
3. Extension
4. Environmental Education

M.Sc. Environmental Sciences

Centre for Biodiversity Studies (CBS), as the founder constituent of the School of Biosciences and Biotechnology, is involved in Research, Extension and Environmental Education. The Centre traverses a broad range of academic and research pursuits across Natural and Social Sciences to promote Environmental education and research based on the interactions between the natural environment and human activities. Rooted in the tradition of the University, the Centre aspires to generate critical understanding of the subject that will benefit the students of the region. The Centre also seeks to bridge the current gap in the study of the environmental issues between the Western and the Eastern perspectives.

The Centre aims to focus on ecology and environment as not just an activity to be conducted in the ' natural;' or 'pristine ' ecosystems, but recognizes the ecological and environmental concerns in the human- dominated landscapes as a distinct, exciting and socially pertinent teaching and research agenda to pursue.

In order to further complement the aforesaid academic spectrum, the Centre offers a two- years Master's program in the Environmental Sciences. The course is designed to help the students to develop hands-on-training in Natural Resource Management, Biodiversity Conservation and Management, Environmental Impact Assessment, Wildlife, Environmental Chemistry , Remote Sensing, Ecology & Environmental Biology.

Course Curriculum

Semester I

Course Code	Course Title
EVS 101	Foundation Course on Ecology and Environment
EVS 102	Environmental Chemistry
EVS 103	Environmental Pollution
EVS 104	Basics of Earth Sciences
EVS 105	Natural Hazards and Disaster Management

Laboratory Courses

EVS 160	Lab Course Based on EVS 102 and EVS 10404
EVS 161	Lab Course Based on EVS 103 and EVS 10504

Semester II

Course Code	Course Title
EVS 201	Natural Resources: Conservation and Management
EVS 202	Climate Change: Issues and Policies
EVS 203	Ecotoxicology
EVS 204	Environmental Economics

Open Elective Courses. Opt any one of the following

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Language
UR 238	Fundamentals of Urdu Lang.& Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer Applications & Operations
HT 245	Basics of Tourism and Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang.& Lit.
ECP 248	Introduction to Pahari Lang.& Lit.
ECK 249	Introduction to Kashmiri Lang & Lit.
IS 250	Spirituality & Islam
JKCT 252	Culture & Traditions of J&K

Laboratory Courses

EVS 260	Lab course based on EVS 201 and EVS 204
EVS 261	Lab course on EVS 202 & EVS 203 203

Semester III

Course Code	Course Title
EVS 301	Environmental Impact Assessment
EVS 302	Solid and Hazardous Waste Management
EVS 303	Biodiversity Conservation
EVS 304	Environmental Microbiology

Choice Based Elective Courses

EVS 305	Intellectual Property Rights
EVS 306	Forest Environment-I
EVS 307	Wildlife-I

Laboratory Courses

EVS 360	Lab course on EVS 301 & EVS 302
EVS 361	Lab course on EVS 303, EVS 304 and EVS 305/EVS 306/EVS 307

Semester IV

Course Code	Course Title
EVS 401	Environmental Laws
EVS 402	Remote Sensing and GIS
EVS 403	Biostatistics and Computer Applications
EVS 404	Dissertation

Choice Based Elective Courses

EVS 405	Aquatic Environment
EVS 406	Forest Environment II
EVS 407	Wildlife II

Laboratory Courses

EVS 460	Lab course on EVS 402, EVS 403 And EVS 405/EVS 406/EVS 407

Intake	:	40
General	:	35
Self-Supporting	:	05

Eligibility for Admission

- Bachelor's degree in Science 10+2+3 pattern with atleast 45% marks or equivalent Grade Point Average (GPA) with any of the following subjects like Environmental Sciences, Botany, Zoology, Agriculture, Forestry, Chemistry, Microbiology, Geography, Geology, and Life Sciences.

Procedure of Admission

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee Structure

Rs 22,750/- per semester to be paid at the start of the respective semester. The Self - Supporting fee to be deposited at the time of admission (One Time) will be Rs. 1,50,000/-

Research

In consonance with its mandate, research work in conventional and modern biology is being undertaken at CBS along the following lines:

1. Inventorization of plants, animals and microbes.
2. Exploration of intraspecific variation using morphological, cytological and molecular markers.
3. Estimation of species abundance.
4. Studying life-cycle patterns of dominant and economically useful taxa.
5. Identification of endemics, studying their abundance and attempting their multiplication.
6. Identification of rare and threatened species, and exploring the stress they are facing, remedying the causes, and attempting their conservation (both *in situ* and *ex situ*) and rehabilitation.
7. Locating exotics, including invasive species, assessing their impact on native taxa, and evolving methodology to contain them.
8. Exploration of plant-animal interactions of all kinds.

Extension

The achievements of Science and Technology have not percolated to masses, particularly in the Country's hinterlands to the extent desired. Rajouri Poonch belt is no exception. CBS has launched programme for imparting such skills to rural women as will help them to utilize bio-resources available at their doorsteps and convert them into assets, using technologies evolved in laboratories. These programmes aim at:

- Organizing women, trained in the above crafts, into co-operatives to initiate and encourage entrepreneurship.
- Arranging linkages between budding women entrepreneurs and the market.
- Linking rural women with banks to mobilize loans.
- Providing them technical support to foster bio-resources based enterprises.
- Organizing in-service training programmes for the staff of bio-resource related organizations.

The technologies approved by the Department of Biotechnology, New Delhi for dissemination among rural women of Rajouri are:

- Vermicomposting
- Biocrafts
- Medicinal-plant Cultivation
- Mushroom Culturing

Faculty	Designation	Qualification
· Dr. Shreekar Pant · Dr. Mamta Bhat · Dr. Tahir Mehmood	Co-ordinator	Ph. D. Ph. D. (NET) Ph. D.

Department of Biotechnology

Department of Biotechnology was established in 2009 under the school of Biosciences & Biotechnology and from 2011 onwards under the aegis of Department of Biotechnology (DBT), Ministry of Science & Technology, Government of India, the M.Sc teaching programme "Bioresources Biotechnology" was supported. The programme aims to promote dissemination of biotech interventions in agriculture and allied sectors for the benefit of the underprivileged section of the society and to nurture the potential of local population in understanding the molecular mechanism of life, alteration of basic dogma and sustainable resource management. A monthly stipend of Rs.5000/- from DBT and a research grant of Rs. 50000/- to each student who successfully qualify GAT-B entrance test has made the subject most preferred among the aspirants. Since 2009 a major proportion of students opt for the masters program in Biotechnology, as the programme simultaneously provides them carrier opportunity and financial stability. From last 11 years our students have qualified different national level competitive examinations and are currently perusing their higher education in some reputed institutions across India. The Department is successfully achieving its goals in leaps and bounds.

After the successful completion of the Masters programme in Biotechnology, Department engages some intellectual human resources in different ongoing research projects sanctioned from the different Funding Agencies. In association with the University, Department is also having ongoing Ph.D. programme whereby, internally trained students are given opportunity to further furnish the aims and objectives of the Department of Biotechnology, Government of India. Our main thrust research areas are: **Plant Molecular Biology; Molecular Parasitology and Cell Signalling; Clinical Biochemistry & Human genetics and Protein Engineering & Structural Biochemistry.**

Masters programme in Biotechnology is of two years duration spread over 4 Semesters. The first three Semesters are devoted to Course work, which is imparted through 23 theory and 10 laboratory courses. In the last Semester students are required to undertake research work for compiling the dissertation. Masters degree is awarded to students who earn 96 credits: theory 52, lab 20 &

M.Sc. Biotechnology

Course Curriculum

Semester I	
Course Code	**Course Title**
Bio1014	Foundation Course
Bio 1024	Molecular Biology
Bio 1032	Microbial Bioresources
Bio 1042	Plant Bioresources
Bio 1052	Animal Bioresources
Bio 1062	Cell Biology
Bio1072	Biomolecules
Lab Courses	
Bio 1712	Microbiology Biology and Microbial Bioresources
Bio 1722	Plant and Animal Bioresources
Bio1732	Biomolecules and Cell Biology

Semester II	
Course Code	**Course Title**
Bio2014	Genetic Engineering
Bio 2022	Genomics and Proteomics
Bio 2034	Enzymology and Metabolism
Bio 2052	Plant Biotechnology
Bio 2514	Fundamentals of Biotechnology (Open Elective)
Bio 2662	Seminar / Journal Club
Choice Based Open Elective Course (Opt any one of the following)	
Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Language
UR 238	Fundamentals of Urdu Language & Literature
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer Applications & Operations
HT 245	Basics of Tourism and Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Language & Literature
ECP 248	Introduction to Pahari Language & Literature
ECK 249	Introduction to Kashmiri Lang & Lit.
IS 250	Spirituality & Islam
JKCT 252	Culture & Traditions of J&K
Lab Courses	
Bio 2712	Lab on Enzymology and Metabolism
Bio 2722	Plant Biotechnology and Genomics
Bio 2732	Genetic Engineering

Semester III	
Course Code	**Course Title**
Bio 3012	Animal Biotechnology
Bio 3022	Genetics
Bio 3032	Industrial Biotechnology
Bio 3042	Bioinformatics and Bioentrepreneurship
Bio 3054	Immunology
Bio 3062	Analytical Techniques
Discipline Centric Electives: (One of the following)	
Bio 3512	Crop Biotechnology
Bio 3522	Human Genetic disorders
Bio 3532	Signal Transduction and Cancer Biology
Bio 3542	Protein Engineering
Lab Courses	
Bio 3712	Lab on Bioinformatics and Industrial Biotechnology
Bio 3722	Lab on Immunology and Animal Biotechnology
Bio 3732	Lab on Analytical Techniques and Genetics
Bio 3732	Lab based on Discipline Centric Elective

Semester IV	
Course Code	**Course Title**
Bio 4824	Dissertation

Intake	:	20 (As sanctioned by DBT)
Unreserved (UR)	:	08
Other Backward Caste (OBC)	:	05
Scheduled Caste (SC)	:	03
Scheduled Tribe (ST)	:	02
Economically Weaker Section (EWS)	:	02

(Reservation of seats is as per the norms of HRD Ministry, Government of India)

Eligibility for Admission

- Bachelor's degree in Physical, Biological, Agricultural, Veterinary and Fishery Sciences, Pharmacy, Engineering/technology, 4- year B.Sc. (Physician Assistant Course); MBBS or B.D.S with at least 55% marks.
- Candidates appearing in the final Year Examination of the qualifying degree, and those whose result of the same is awaited, can also apply provisionally.

Procedure for Admission

- The admission in the above program will be conducted through two routes. Primarily, the above seats will be filled through the nation-wide Common Entrance Test on the basis of merit secured by the candidates in Graduate Aptitude Test-Biotechnology (GAT-B), conducted by Department of Biotechnology, Government of India, New Delhi through its designated Regional Centre for Biotechnology (RCB), Faridabad (Haryana). The candidates are advised to keep track of the advertisement to be issued by RCB (www.rcb.res.in), Haryana shortly and follow the procedural details as advised. Those who will get admitted through GAT-B will be entitled for Rs. 5000/pm studentship for the entire duration of the program along with Rs. 50,000/- financial assistance for dissertation preparation. Since it is a nation-wide prestigious test with financial incentives, the students are encouraged to appear in large numbers.

- In case of leftover vacant seats which may not be filled through GAT-B entrance test, admissions will be made based on Written Entrance Test, which will be conducted at the School of Biosciences and Biotechnology at BGSB University campus and/or any other Centre, so decided by the University. The schedule of this entrance at BGSBU will be notified shortly and Model Question Paper of Entrance Test will be uploaded on the University website. However, those admitted through University Entrance test will not be entitled for Studentship or any other DBT sponsored benefit.

Fee Structure

For Admissions made through GAT-B, Rs. 12,500/- per semester is to be paid at the start of respective semester. For Admissions made through University Entrance Test, Rs. 22,750/- per semester is to be paid at the start of respective semester.

Faculty	Designation	Qualification
· Dr. Ali Asghar Shah · Dr. Tanvir-Ul-Hassan Dar · Dr. Raja Amir Hassan · Dr. Saima Aslam · Dr. Shoeb Ahmad · Dr. Rakeeb Ahmad	Coordinator	M. Phil., Ph. D. M. Phil., Ph. D. Ph. D. Ph. D. Ph. D M. Phil., NET, Ph.D.

Department of Botany

The Department of Botany was established in 2014 to meet the aspirations of the students of J&K in general and Rajouri-Poonch region in particular and also to train them to understand and practice various aspects of plant sciences. The courses have been designed to take care of both the classical and contemporary aspects of Botany. Within a short span, the Department has earned a name as an important centre of studies in Plant Sciences in the country.

The hard work put in by the teachers and the students started yielding dividends right from the very beginning. The students have started qualifying CSIR-NET. The Department has the expertise and infrastructure to help students opt for getting advanced training in many areas of specialization such as Plant Biotechnology, Cell and Molecular Biology, Bacteriology, Plant Physiology, Forest Ecology, Biodiversity Conservation, Taxonomy, Cytogenetics, Mycology, Reproductive biology, Lichenology, and Ecology & Environmental Biology.

The Department has completed some consultancy projects successfully. The Department houses herbarium focusing on the plant diversity of the Pir Panjal and surrounding areas. Lead Botanic Garden, Herbal Garden, Lichen groove and fernery are the main attractions of the department. Lead Botanic Garden of Department of Botany has been registered as a participant in the world wide implementation of the International Agenda in support of plant conservation, environmental awareness and sustainable development by Botanic Gardens Conservation International based at Kew, London, UK.

Course Curriculum

Semester I

Course Code	Course Title
Bot 170	Foundation Course : Tools & Techniques in Biology
Bot 171	Biology & Diversity of Algae & Lichens
Bot 172	**Bilogy & Diversity of** Bryophytes and Pteridophytes:
Bot 173	Cell Biology
Bot 174	Molecular Biology

Lab courses

Bot 180	Lab course based on Bot 171 & Bot 172
Bot 181	Lab course based on Bot 173 & 174

Semester II

Course Code	Course Title
Bot 270	Taxonomy & Systematic of Angiosperms
Bot 271	Plan Physiology & Bio-Chemistry
Bot 272	Biology & Diversity of Gymnosperms
Bot 273	Biotechnology & Genetic Engineering

Choice Based Open Elective Course (Opt any one of the following) I

Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Lang.
UR 238	Fundamentals of Urdu Lang.& Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Comp. Applications & Operations
HT 245	Basics of Tour.& Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang.& Lit.
ECP 248	Introduction to Pahari Lang.& Lit.
ECK 249	Introduction to Kashmiri Lang.& Lit.
IS 250	Spirituality & Islam
JKCT 252	Culture & Traditions of J&K

Lab courses

Bot 280	Lab course on Bot 270 and Bot 272
Bot 281	Lab course on Bot 271 and Bot 273

Semester III

Course Code	Course Title
Bot 370	Principles of Plant Ecology
Bot 371	Cytology, Cytogenetic & Genetics

Course Code	Course Title		Course Code	Course Title
Bot 372	Mycology & Plant Pathology			of Angiosperms
Bot 373	Bacteria; Structure, Growth & Diversity		Bot 471	Reproductive Biology of Angiosperms
Choice Based Complimentary Electives			Bot 472	Plants in Human Welfare
Bot 374	Recombinant DNA Technology		Bot 473	Bio-informatics & Bio-Statiostics
Bot 375	Forest Ecology - I		**Choice based Complimentary Electives**	
Bot 376	Stress Physiology		Bot 474	Genes, Genomics Stress & Proteomics
Bot 377	Biodiversity Conservation - I		Bot 475	Forest Ecology - II
			Bot 476	Plant Breeding
Lab courses			Bot 477	Biodiversity Conservation - II
Bot 380	Lab course based on Bot 370 & Bot 371			
Bot 381	Lab course based on Bot 372 and Bot 344/375/376/377		**Lab courses**	
Semester IV			Bot 480	Lab course based on Bot 470, and Bot 471
Course Code	**Course Title**		Bot 481	Lab course based on Bot 472, Bot 473 & Bot 474/475/476/477
Bot 470	Anatomy & Developmental Biology			

Intake : **50**

    General : **40**

    Self-Supporting : **10**

Eligibility for Admission

- Bachelors degree of 10+2+3 pattern with Botany as one of the subjects or any other degree recognized equivalent thereto from any recognized university.
- Candidates appearing in the Final Year Examination of the qualifying degree and those whose result of the same is awaited, can also apply provisionally.

Procedure of Admission

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee Structure

Rs 29,500/- per semester to be paid at the start of the respective semester. The Self - Supporting fee to be deposited at the time of admission (One Time) will be Rs. 1,50,000/-

Faculty	Designation	Qualification
● Dr. Mohd Asgher ● Dr. Arif Tasleem Jan ● Dr. Mohd. Hanief	Coordinator	Ph. D., GATE Ph. D., (NET) Ph. D., (NET)

Invited Guest Faculty

Prof. Y.P Sharma	Former Head, Deptt. of Botany, University of Jammu, J&K
Prof. Rajesh Tandon	Deptt. of Botany, University of Delhi
Prof. Arif Ali	Deptt. of Biosciences, JMI, New Delhi

Department of Zoology

The Department was established in 2014 to meet the aspirations of the students of this region and also to train the students desirous of learning, understanding, teaching and practicing various aspects of Animal Sciences. The courses have been designed to take care of both the classical and contemporary aspects of Zoology. Within a short span the Department earned a name as an important Centre of studies in Animal Sciences. The hard work put in by the teachers and more so the students started yielding dividends right from the very beginning. The Department has the expertise and infrastructure to help students opt for getting advanced training in many areas of specialization such as Animal Biotechnology, Animal Physiology, Ecology, Biodiversity Conversation, Taxonomy, Cytogenetics, Mycology, Immunology, Molecular Biology, Toxicology, Parasitology and Entomology. With the help of grants received from various funding agencies (DBT, MoEFC & C, GBPIHED, UGC, etc.), the Department is in a position to help the students unravel the intricacies of Animal life even at the molecular level.

The Department has been receiving extra mural funding from the various national funding agencies. Research projects worth over Rs. 1.3 crores are running in the Department. The Department has completed some consultancy projects successfully. The Department also houses museum focusing on the Animal diversity of the Pir Panjal and surrounding areas. Pir Panjal Biodiversity Park is the main attractions of the Department.

Course Curriculum

Semester I

Course Code	Course Title
Zol 170	Principles of Animal Taxonomy
Zol 171	Animal Resources and their Utilization
Zol 172	Invertebrates : structure & function
Zol 173	Cell Biology
Zol 174	Molecular Biology
Zol 175	Elements of Toxicology

Lab courses

Course Code	Course Title
Zol 180	Lab course on Animal Taxonomy & Animal Resources
Zol 181	Lab course on Elements of Toxicology & Cell Biology
Zol 182	Lab course on Invertebrates & Molecular Biology

Semester II

Course Code	Course Title
Zol 270	Vertebrates : Structure & Function
Zol 271	Ecology & Environmental Biology
Zol 272	Fundamentals of Biochemistry
Zol 273	Bioinformatics and Biostatistics

Choice Based Open Elective Course (Opt any one of the following)

Course Code	Course Title
Math 231	Math.Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Lang.
UR 238	Fundamentals of Urdu Lang.& Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer Appl. & Operations
HT 245	Basics of Tourism &Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang.& Lit.
ECP 248	Introduction to Pahari Lang.& Lit.
ECK 249	Introduction to Kashmiri Lang.& Lit.
IS 250	Spirituality & Islam
JKCT 252	Culture & Traditions of J&K

Lab courses

Course Code	Course Title
Zol 280	Lab course on Vertebrates & Bioinformatics Biostatistics
Zol 281	Lab course on Fundamentals of Biochemistry & Environmental Biology

Semester III

Course Code	Course Title
Zol 370	Animal Biotechnology
Zol 371	Animal Resources, threats and conservation
Zol 372	Biology of the Immune System
Zol 373	Cytogenetics
Zol 374	Embryology & Histology

Elective Courses

Course Code	Course Title
Zol 375	Principles of Parasitology
Zol 376	Insect Morphology & Physiology
Zol 377	Elements of Ichthyology

Lab courses	
Zol 380	Lab course on Animal Biotechnology, Embryology & Histology & Biology of Immune sys.
Zol 381	Lab course on Elective course , Animal Resources, threats and conservation & Cytogenetics

Semester IV	
Course Code	**Course Title**
Zol 470	Genetic Engineering
Zol 471	Animal Physiology
Zol 472	Fundamentals of Endocrinology

Zol 473	Dissertation
Elective Courses	
Zol 474	Fundamentals of Nematodes Genomics
Zol 475	Human Genetics
Zol 476	Wildlife Biology, Conservation and Management
Lab courses	
Zol 480	Lab course on Genetic Engineering and Elective paper
Zol 481	Lab course on Animal Physiology & Endocrinology

Intake : **50**

    General : 40

    Self-Supporting : 10

Eligibility for Admission

- Bachelors degree of 10+2+3 pattern with Zoology as one of the subjects or any other degree recognized equivalent thereto from any recognized university.
- Candidates appearing in the Final Year Examination of the qualifying degree and those whose result of the same is awaited, can also apply provisionally.

Procedure of Admission

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee Structure

Rs 29,500/- per semester to be paid at the start of the respective semester. The Self - Supporting fee to be deposited at the time of admission (One Time) will be Rs. 1,50,000/-

Faculty	Designation	Qualification
● Dr. Ali Asghar Shah ● Dr. M. A. Hanan Khan ● Dr. M. Salim Reshi ● Dr. Sajad H. Parey ● Dr. Sajad A. Khan ● Ms. Shahnaz Anjam	Head of the Department	M. Phil., Ph. D. Ph. D. Ph. D. Ph. D. Ph. D. M. Sc., CSIR NET(JRF)

Invited Guest Speakers

1.   Prof. Altaf Ahmed Wani, Ohio State University, USA

2.   Dr. Anil Joshi, Chairman, HESCO, Uttarakhand

3.   Dr. Virender Sharma, Director, MSME, J&K

4.   Shri Rahul Taneja, Scientist, Patent Information Centre
      Haryana State Council for Tech., Panchkula, Haryana

5.   Dr. Ab. Matten Rafiqi, MCGILL University, Montreal, Canada

6.   Prof. Umesh Rai, Director South Campus, University of Delhi

M. Sc. Microbiology

Microbiology is one of the oldest and the most important discipline of Life Sciences as it deals with the study of microorganisms which have profound role in human health. Since studies on microbiology have both fundamental as well as applied aspect, BGSBU has introduced a 2-years course of Master of Science in Microbiology. The course curriculum is as per the Choice Based Credit System prescribed by UGC and covers the entire spectrum of microbial studies including bacteriology, virology, mycology and protozoology. It also covers applied microbiology as part of biotechnology along with specialized papers for Agricultural Microbiology and Medical Microbiology. Highly trained and qualified faculty members, with several years of teaching and research experience from reputed National and International Universities and Institutes, are teaching the course. Microbiology offers great potential of employment in production of pharmaceuticals, medicine and diagnostics and Food and Beverages besides providing opportunities to continue in research pursuits or employment in teaching sector.

Course Curriculum

Semester I

Course Code	Course Title
MIB 1014	Foundation Course
MIB 1034	General Microbiology
MIB 1042	Virology, Mycology and Protozoa
MIB 1052	Microbial Techniques
MIB 1062	Biomolecules
Lab courses	
MIB 1712	Lab course based on General Microbiology, Virology, Mycology and Parasitology
MIB 1722	Lab course based on Biomolecules and Cell Biology
MIB 1732	Lab course based on Microbial Techniques

Semester II

Course Code	Course Title
MIB 2014	Microbial Genetics and Molecular Biology
MIB 2024	Microbial Diversity
MIB 2034	Enzymology and Metabolism
MIB 2514	Open Elective (OE)*
MIB 2642	Seminar / Journal Club (JC)

Choice Based Open Elective Course (Opt any one of the following)

Course Code	Course Title
Math 231	Mathematical Tools for Real World Problems
IT 232	IT Soft Skills
Bio 233	Fundamentals of Biotechnology
Bot 234	Mysteries of Green Plants
Bot 235	Mushroom Cultivation
Zol 236	Nutrition, Health & Hygiene
Arb 237	Fundamentals of Arabic Language
UR 238	Fundamentals of Urdu Lang.& Lit.
IS 239	Islamic Religious Sciences
EVS 240	Environment & Social Issues
Eng 241	Applied English
Edu 242	Higher Education
Eco 243	Principles of Banking
MCA 244	Computer Applications & Operations
HT 245	Basics of Tourism and Travel Agencies
Mgt 246	Business Communication
ECG 247	Introduction to Gojri Lang.& Lit.
ECP 248	Introduction to Pahari Lang.& Lit.
ECK 249	Introduction to Kashmiri Lang.& Lit.
IS 250	Spirituality & Islam
JKCT 252	Culture & Traditions of J&K
Lab courses	
MIB 2712	Lab based on Microbial Genetics and Molecular Biology
MIB 2722	Lab based on Microbial Diversity
MIB 2732	Lab based on Enzymology and Metabolism

Semester III

Course Code	Course Title
MIB 3014	Immunology
MIB 3024	Industrial Microbiology and Fermentation Technology
MIB 3032	Microbial Ecology
MIB 3042	Environmental Microbiology and Toxicology
MIB 3052	Food Microbiology

Discipline Centric Elective (DCE)[#]

Course Code	Course Title
MIB 3512	Viral and Parasitic Infections[#]
MIB 3522	Biofertilizers and Biopesticides[#]
MIB 3532	Analytical Techniques[#]

Lab courses	
MIB 3712	Lab based on Immunology
MIB 3722	Lab based on Industrial and Fermentation
MIB 3732	Lab based on Environmental Microbiology, Toxicology, and Food Microbiology
MIB 3742	Lab based on Discipline Centric Elective

Semester IV	
Course Code	**Course Title**
MIB 4014	Medical Microbiology,
MIB 4024	Agricultural Microbiology

MIB 4032	Bioinformatics
Discipline Centric Elective (DCE)[#]	
MIB 4512	Genetic Engineering[#]
MIB 4522	Bacterial Diseases of Humans
MIB 4531	Signal Transduction and Cancer Biology
Lab courses	
MIB 4712	Lab based on Medical Microbiology & Discipline Centric Elective (DCE)
MIB 4722	Lab based on Agricultural Microbiology and Bioinformatics
MIB 4808	Dissertation

Intake   :   15

Eligibility for Admission

- Candidate must posses bachelor's degree under 10+2+3 pattern of education in biological, agricultural, veterinary and fishery sciences, pharmacy from a recognized University.

- Candidates appearing in the Final Year Examination of the qualifying degree and those whose result of the same is awaited, can also apply provisionally.

Procedure of Admission

Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.

Fee Structure

Rs 22,750/- per semester to be paid at the start of the respective semester.

Faculty	Designation	Qualification
• Dr. Ali Asghar Shah		M. Phil., Ph. D.
• Dr. Tanvir -Ul-Hassan Dar		M. Phil., Ph. D.
• Dr. Raja Amir Hassan		Ph. D.
• Dr. Arif Tasleem Jan		Ph. D
• Dr. Mohd Salim Reshi		Ph. D.
• Dr. Shoeb Ahmad	Academic Coordinator	Ph. D.

School of Nursing & Biomedical Sciences

Associate Dean : Dr. Titi Xavier

B. Sc. Nursing

INTRODUCTION

The need to establish the Nursing Colleges was felt to makeup the shortage of institutes devoted to training professional nurses required to meet the needs of rapidly expanding health care sector in the erstwhile State and Country at large. BGSB University has established (03) three Nursing Colleges in record time at Rajouri, Jammu and Kishtwar.

Scope of nursing practice encompasses provision of promotive, preventive, curative and rehabilitative aspects of care to people across their life span in wide variety of health care settings. Practice of Nursing is based upon application of basic concepts and principles derived from the physical, biological, behavioral sciences, medicine and nursing.

Undergraduate nursing program is broadbased education within an academic framework specifically directed to the development of critical thinking skills, competencies & standards required for practice of professional nursing and midwifery at basic levels in providing promotive, preventive, curative and rehabilitative services.

In addition, the Under graduate nursing education program prepares its graduates to become exemplary citizen by adhering to code of ethics and professional conduct at all times in fulfilling personal, social and professional obligations so as to respond to national aspirations.

PROGRAMME OFFERED

BSc. Nursing Degree Programme
(8 Semesters, 4 years including internship).

COURSE CURRICULUM

S. No	Semester	CourseCode	Course/Subject Title
1	First	ENGL 101	Communicative English
		ANAT 105	Applied Anatomy
		PHYS 110	Applied Physiology
		SOCI 115	Applied Sociology
		PSYC 120	Applied Psychology
		N-NF (I) 125	Nursing Foundation I including First Aid module
		SSCC (I) 130	Self-study/Co-curricular
2	Second	BIOC135	Applied Biochemistry
		NUTR140	Applied Nutrition and Dietetics
		N-NF (II)125	Nursing Foundation II including Health
		HNIT145	Health/Nursing Informatics & Technology
		SSCC(II)130	Self-study/Co-curricular

3	Third	MICR201	Applied Microbiology and Infection Control
		PHAR (I)205	Pharmacology I
		PATH (I)210	Pathology I
		N-AHN(I)215	Adult Health Nursing I with integrated pathophysiology including BCL Smodule
		SSCC (I)220	Self-study/Co-curricular
4	Fourth	PHAR (II)205	Pharmacology II including Fundamentals of prescribing module
		PATH (II)210	Pathology II and Genetics
		N-AHN(II)225	Adult Health Nursing II with integrated pathophysiology including Geriatric Nursing +
		PROF230	Professionalism, Professional Values and Ethics including bioethics
		SSCC(II)220	Self-study/Co-curricular
5	Fifth	N-CHN(I)301	Child Health Nursing I including Essential Newborn Care (ENBC),FBNC,IMNCI and PLS
		N-MHN(I) 305	Mental Health Nursing I
		N-COMH(I) 310	Community Health Nursing I including Environmental
		EDUC315	Educational Technology Nursing Education
		N-FORN320	Introduction to Forensic Nursing and Indian
		SSCC(I)325	Self-study/Co-curricular
6	Sixth	N-CHN(II) 301	Child Health Nursing II
		N-MHN(II)305	Mental Health Nursing II
		NMLE330	Nursing Management & Leadership
		N-MIDW(I)/OBGN335	Midwifery/Obstetrics and Gynecology (OBG) Nursing I including SBA module
		SSCC(II)325	Self-study/Co-curricular
7	Seventh	N-COMH(II)401	Community Health Nursing II
		NRST405	Nursing Research & Statistics
		N-MIDW(II)/OBGN410	Midwifery/ Obstetrics and Gynecology (OBG)Nursing II including Safe delivery
			Self-study/Co-curricular
8	Eight (Internship)	INTE415	Community Health Nursing- 4 Weeks
		INTE420	Adult Health Nursing - 6 Weeks
		INTE425	. . .'' . . ..
		INTE430	Mental Health Nursing - 4 Weeks
		INTE435	Midwifery- 4 Weeks

INTAKE

Nursing College	General / Reserved	Self Supporting / Financing Seat	NRI / All India Quota	Total Seats
College of Nursing Rajouri	27	11	02	40
College of Nursing Jammu	32	16	02	50
College of Nursing Kishtwar	30	08	02	40

ELIGIBILITY FOR ADMISSSION

- The minimum age for admission shall be 17 years on 31st December of the year in which admission is sought. The maximum age limit for admission shall be 35 years.

- Minimum Educational Qualification

  - Candidate with Science who have passed the qualifying 12th Standard examination (10+2) and must have obtained a minimum of 45% marks in Physics, Chemistry and Biology taken together and passed in English individually. In respect of candidates belonging to SC/ST/OBC the marks obtained in 3 core subjects shall be 40% instead of 45% for General category candidates.

  - Candidates are also eligible from State Open School recognized by State Government and National Institute of Open School (NIOS) recognized by Central Government having Science subjects and English only.

  - English is a compulsory subject in 10+2 for being eligible for admission to B.Sc.(Nursing).

- Colour blind candidates are eligible provided that Colour corrective contact lens and spectacles are worn by such candidates.

- Candidate shall be medically fit.

- Married candidates are also eligible for admission.

- Students shall be admitted once in a year.

*Note: This academic programme is open for only women candidates.

PROCEDURE FOR ADMISSION

▪ Candidates shall be selected and allotted seats / College by Board of Professional Entrance Examinations, J&K (BOPEE) on the basis of Entrance test followed by counselling / allotment process to be conducted by BOPEE.

▪ Seats remaining unfilled, if any, after completion of admission process undertaken by BOPEE shall be filled by the University on self-supporting / self-financing basis strictly on merit in accordance with instructions of the Government as well as rules/ regulations of the University from time to time, provided the candidate is eligible and has applied separately to the University.

Note: Candidates are required to apply separately to BOPEE as and when notified by them and shall be required to undergo the Entrance Test/ counselling / allotment process of BOPEE

Fee Structure (In INR)

Category	1st Year		2nd Year		3rd Year		4th Year	
	Sem-I	Sem-II	Sem-III	Sem-IV	Sem-V	Sem-VI	Sem-VII	Sem-VIII
General / Reserved	Rs 24200	Rs 24200	Rs 25200	Rs 25200	Rs 26200	Rs 26200	Rs 27200	Rs 27200
Self Supporting / Financing Seat	Rs 62500	Rs 62500	Rs 62500	Rs 62500	Rs 62500	Rs 62500	Rs 62500	Rs 62500
NRI / All India Quota	Rs 75000	Rs 75000	Rs 75000	Rs 75000	Rs 75000	Rs 75000	Rs 75000	Rs 75000

In addition, to the aforementioned fee, Clinical fee / Hospital Fee as applicable from time to time shall be payable

Research Programme

Research and higher learning are so deeply interwoven that it is difficult to separate one from the other. Universities are recognised by the creative pursuits of their faculty and the students. The University has initiated research programmes in all its Schools. Fortunately, these have taken off fast. Today, the University has more than 180 scholars enrolled in various Schools.

Arabic	Electronics & Comm. Engg.
Botany	Electrical Engineering
Biotechnology	Hospitality & Tourism
Computer Sciences	Information Technology
Civil Engineering	Islamic Studies
Computer Science Engineering	Management Studies
English	Mathematics
Environmental Sciences	Physics
Economics	Urdu
Education	Zoology

The candidate enrolled to Ph. D. programme shall pursue research as whole-time student of the University. No candidate can undertake employment or appear in any business / profession during the period of his study. .

Admission Procedure

Notification for admission to Ph. D. progamme is issued by the University sometime in October / November after declaration of M. A./M. Sc./MBA/MCA/Engineering examination results or on a date as may be announced by the University.

Enrolment to Ph. D. programme shall be made through University Grants Commission. (Minimum Standard and Procedures for award of Ph.D. Degree) Regulations , 2022 issued vide UGC notification New Delhi, 7th November 2022.

Intake

The number of seats, specializations and supervisors available for guiding research in each subject shall be determined & fixed every year by Deans of respective Schools in consultation with the Dean Academic Affairs before Notification for Admission to Entrance Test is issued in print and electronic media including University website.

Submission of Application Form :

Application Form, complete in all respects, accompanied with following documents should be deposited in the office of the Head of the Department to which the candidate is seeking admission on or before the prescribed last date.

i) Date of Birth Certificate (Matriculation Certificate).

ii) Marks Cards & Certificates of the Qualifying examinations.

iii) Provisional Certificate.

iv) Permanent Resident Certificate.

v) Character Certificate issued by the Head of the Institution last attended or a Gazetted Officer.

vi) In case the candidate is seeking admission on the basis of M. Phil. Degree, a Certificate from the institute testifying that admission to M. Phil. programme was made through Entrance Test.

Selection List

Selection list will be notified by each Department on the University website and the Departmental Notice Board. Students should, therefore, maintain contact with the Department, in their own interest.

Fee for the Students admitted to Ph.D. Programme after Master's Programme

For Science scholars

First year	Rs 47,850/-
Subsequent years	Rs 33,250/-

For Non-Science scholars

First year	Rs 46,050/-
Subsequent years	Rs 30,250/-

Fee for the Students admitted to Ph.D. Programme after M.Phil. Programme

For Science scholars

First year	Rs 41,250/-
Subsequent years	Rs 33,250/-

For Non-Science scholars

First year	Rs 38,250/-
Subsequent years	Rs 30,250/-

Registration Fee (One Time)

1. Registration fee payable with the Application for registration.   Rs. 8,500/-
   (Refundable, if the application for registration is Rejected).

Examination Fee

1. Examination Fee to be paid at the time of submission of thesis.
   On resubmission of thesis, fresh examination fee shall be paid.   Rs. 5,000/-
2. Fee for supply of Examiners reports of Ph. D. thesis   Rs. 5,000/-

Important Information, Instructions & Rules

Recent Salient achievements

1.   During the last one year the university has got **21 Extramural Projects worth Rs.5.27 crores** which is a significant achievement by any University of BGSBU magnitude.

2.   BGSB University is the only institution amongst all the J&K institutions to have been sanctioned the prestigious **FIST Grant** in life science last year by the Department of Science & technology, Govt. of India.

3.   BGSBU is the only non-medical institution to have been sanctioned a Network Mission Project on 'Paediatrics Rare Disorders' where the institution's own share of grant is to the tune of **1.11 crores.**

4.   The University offered three new academic programmes from this session i.e. PG Programme in Persian, Hindi and Gojri & Pahari in addition to a separate course on "Culture and Traditions of Jammu and Kashmir" which shall document and disseminate the rich cultural traditions and heritage of this region.

5.   BGSBU has the distinction of establishing of Centre for Gojri, Pahari and Kashmiri languages as measure to conserve and promote the growth and the development of native regional languages and introducing Master programme in Gojri and Pahari.

6.   BGSBU initiated the historic step in the previous session to slash the fee to the tune of 50% in most of the academic programmes in order to make education more affordable and also accessible to all particularly those belonging to weaker sections of the society. Happily enough, this step has been further augmented by reducing the fee by another 10 % from this session in all the academic programmes except Ph.D. and Nursing to keep the fee structure easily affordable for all sections of society.

7.   In order to ease the economic burden and to promote educational urge, the children of all the regular Class IV employees of Baba Ghulam Shah Badshah University will now be given concession in the tuition fee @ 50% up to two children admitted in any academic programme in BGSBU. However, this incentive will continue only if their wards clear all the papers in one go in the semester / year of the examination.

8.   To mitigate the financial burden, a monthly financial assistance of Rupees one thousand only (Rs. 1000/-) in the form of scholarship will be given to the two eldest wards of the deceased employee of the University which shall continue till their schooling up to 12th standard.

9.   To incentivize and increase the enrolment of the girl students in higher education, University has decided to give a waiver of 50% in the tuition fee to the top two rank holder girl students based on the admission merit list in all post graduate programmes from the forthcoming academic session.

Important Information

- The applicants are advised to go through the contents of the Admission Prospectus carefully and familiarize themselves with the relevant rules governing Admissions etc.

- Candidates desirous of applying for more than one course offered by the University are required to fill separate Application Form for each course.

- Application Forms incomplete in any respect or those received after the last date prescribed by the University are liable to be rejected without any intimation to the candidate. No correspondence shall be entertained in this regard.

- Candidates should make sure that they have written their name, address, category (if any), telephone number, e-mail ID etc, correctly.

- Candidates applying under any reserved category must attach relevant certificate that should conform to the latest order / SRO issued for the purpose by the Competent authority.

- Candidates are advised, in their own interest, to remain in touch with the University office / branch office / University website (www.bgsbu.ac.in) for information related to admission, selection list, etc.

- Rules of eligibility are followed strictly. All admissions are provisional. In case of any error in the processing / verification of certificates / documents etc. the University has the right to cancel such admission at any stage.

- Fee is to be paid in the form of Demand Draft drawn in favour of Registrar, BGSB University, Rajouri, payable at J&K Bank, BGSB University campus, Rajouri. Cash, cheques and postal orders will not be accepted. **Documents will be returned and Fee will be refunded as per UGC norms.**

- **Refund of Admission fee (if any) will be as per UGC Guidelines / Regulations.**

- The list of provisionally selected candidates shall be notified on the Notice Board of the College / concerned Department and also on the University website www.bgsbu.ac.in. The datelines for deposition of certificates, dues etc are adhered to strictly. It is the responsibility of the candidate to keep in touch with the University office / branch offices / website regarding cut off dates and other information.

- If a selected candidate fails to produce original certificates or does not deposit the required fee within the specified period of time, his / her selection shall stand cancelled and the seat(s) vacated shall be allotted to the candidate(s) next in merit.

- At the time of admission the candidate has to give an undertaking on stamped paper of the value of Rs. 5 regarding the intervening period, if any, to the effect that he / she was not working in any Government or private sector or had not joined any other institution / course of study after the declaration of the result of the qualifying examination. In case they are in employment they shall have to produce permission letter of the employer.

- The candidates selected for admission shall have to deposit all documents pertaining to the qualifying examination in original in the office of the Principal / Director / Head of the concerned department. Registration section of the University shall return the said documents after verification.

- In case it is found at any stage after admission that the candidate has made any false or incorrect statement or used fraudulent means for seeking admission or doesn't fulfill the eligibility requirement, the admission shall be cancelled.

- No employee of any public or private sector organization shall be admitted unless he / she is on authorized leave and has the necessary permission of the employer.

- In case of any discrepancy / dispute, the Statutes / Regulations governing the relevant academic programme of the University shall be followed.

- At the time of admission the candidate has to give an undertaking on stamped paper of the value of Rs. 5 regarding the intervening period, if any, to the effect that he / she was not working in any Government or private sector or had not joined any other institution / course of study after the declaration of the result of the qualifying examination. In case they are in employment they shall have to produce permission letter of the employer.

- The candidates selected for admission shall have to deposit all documents pertaining to the qualifying examination in original in the office of the Principal / Head of the concerned department. Registration section of the University shall return the said documents after verification.

- In case it is found at any stage after admission that the candidate has made any false or incorrect statement or used fraudulent means for seeking admission or doesn't fulfill the eligibility requirement, the admission shall be cancelled.

- No employee of any public or private sector organization shall be admitted unless he / she is on authorized leave and has the necessary permission of the employer.

- In case of any discrepancy / dispute, the Statutes / Regulations governing the relevant academic programme of the University shall be followed.

- If any dispute arises regarding admission to any course an appeal can be made by the aggrieved candidate to the Principal / Head of the concerned Department. All appeals will be disposed off by the Appellate Committee chaired by Vice Chancellor.

- Legal dispute, if any, shall be settled by the courts within the jurisdiction of Rajouri.

- To generate resources for augmenting academic and ancillary infrastructure facilities and to meet social obligations, the University offers a limited number of Self-Supporting seats in various programmes. These shall be filled as per relevant Statutes / Regulations governing admissions. However, these shall be deemed to be over and above the normal number of seats. A candidate admitted under this category shall have to remit the prescribed amount along with the fees/charges prescribed for the course.

- **Self-Supporting fee is required to be paid in one go at the time of Admission along with Semester fee ·**

- **A candidate has to submit separate form for each programme.**

- **Hostel Brochure can be procured from the office of Dean of Students.**

- **Admission will be conducted through two modes. Primarily, the seats will be filled through the Country-wide Common University Entrance Test on the basis of merit secured by the candidates in CUET, conducted by National Testing Agency. In case of leftover vacant seats, not filled through CUET, selection shall be made on the basis of the marks secured by the candidate in qualifying examinations.**

- **The advertisement for direct admission to various UG and PG programmes shall be put up in leading newspaper of Jammu and Kashmir and shall also be available on University Website. The candidates are advised to visit the University website for various notifications.**

Disclaimer : The information contained in the Admission Prospectus is subject to change from time to time. Candidates are advised to visit website www.bgsbu.ac.in for latest notifications. Errors and omissions excepted.

What constitutes Ragging?

Ragging constitutes any one or more of the following acts:

a. Any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student;

b. indulging in rowdy or indiscipline activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student;

c. asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student;

d. any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher;

e. exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students;

f. any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students;

g. any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;

h. any act or abuse by spoken words, emails, post, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student ;

i. any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

Administrative action in the event of ragging

The institution shall punish a student found guilty of ragging after following the procedure and in the manner prescribed herein under:

A. The Anti-Ragging Committee of the institution shall take an appropriate decision, in regard to punishment or otherwise, depending on the facts of each incident of ragging and nature and gravity of the incident of ragging established in the recommendations of the Anti-Ragging Squad.

B. The Anti-Ragging Committee may, depending on the nature and gravity of the guilt established by the Anti-Ragging Squad, award, to those found guilty, one or more of the following punishments, namely;

1. Suspension from attending classes and academic privileges.

2. Withholding / withdrawing scholarship / fellowship and other benefits.

3. Debarring from appearing in any test / examination or other evaluation process.

4. Withholding results.

5. Debarring from representing the institution in any regional, national or international meet, tournament youth festival, etc.

6. Suspension / expulsion from the hostel.

7. Cancellation of admission.

8. Rustication from the institution for period ranging from one to eight semesters.

9. Expulsion from the institution and consequent debarring from admission to any other institution for a specified period.

Provided that where the persons committing or abetting the act of ragging are not identified, the Institution shall resort to collective punishment.

Documents Required

Photostat copies of following documents / certificates, attested by Gazetted officer should be attached with the Admission Application form.

For Post Graduate Programmes

1. Date of Birth certificate (Matriculation certificate).

2. Marks Cards of the qualifying examinations.

3. Domicile Certificate / Aadhar Card.

4. Category certificate (if any).

5. Provisional certificate

6. Character certificate issued by Head of the Institution last attended or a Gazetted officer.

For Diploma / Diploma Lateral Entry / B. Tech. / B. Tech. Lateral Entry & Other Undergraduate Programmes

1. Date of Birth certificate (Matriculation certificate).

2. Qualifying examination certificates.

3. 3. Domicile Certificate / Aadhar Card.

4. Category certificate (if any).

5. Provisional certificate

6. Character certificate issued by Head of the Institution last attended or a Gazetted officer.

Note:

Migration Certificate, Gap period certificate /Affidavit, and other such documents including all original certificates for purposes of verification & registration are to be produced and submitted by the candidate at the time of admission.

IMPORTANT: Selected candidate has to submit two Affidavits attested by the Oath Commissioner (Annexure I - Affidavit by Parent/ Guardian and Annexure II - Affidavit by the student). Copy of Affidavits has been uploaded in Services / Download Menu of our Website. Selected candidate must produce and submit the same at the time of admission.

July 2nd week	**Commencement of class work of I, III, V & VII Semesters. Sessional Assessment Spread over the entire Semester.**
November - December	**Examinations of I, III, V & VII Semesters.**
January 1st week	**Commencement of class work of II, IV, VI & VIII Semesters. Sessional Assessment Spread over the entire Semester.**
May 1st week	**Examinations of II, IV, VI & VIII Semesters.**

Adequate hostel facilities are available on the campus for boys and Girls . The hostels with homely environment, well furnished and well ventilated rooms, is located in eco-friendly, pollution free scenic setting are ascendant chain of pine-covered hills. Facilities, like computer room with internet connectivity, 24 hrs power supply, indoor games, common room, canteen service, water cooler with purifier etc are the other features of the hostel. The hostel mess is clean and economical.

The two halls of residence

1. Sir Syed Hall (With 05 Boys Hostels).

1. Moulana Azad Hostel

2. Dr.Zakir Hussain Hostel

3. Allama Iqbal Hostel

4. B.J.R.C. Hostel

5. A.P.J Abdul Kalam Hostel

Chief Warden : Dr.Shams Kamal Anjum (9086180380)

2. Fatima Zahra Hall (04 Girls Hostels)

for Girls is a resident Hall for female students and research scholars of the BGSB University. It is located in the main campus of the University. It provides a comfortable, congenial and homely environment to the residents with elegantly designed and surrounded by lawns and flower beds. The common room attached to it provides moment of leisure. Apart from these, a dining Hall is maintained hygienically for students to enjoy their meals.

Chief Warden (Fatima Zahra Hall) : Dr. Saima Aslam (7006529276)

3. Nursing Girls Hostels
Chief Warden : Dr. Titi Xavier (9799406600)

Each hostel provides mess facility and services of room attendents to its boarders in addition to recreational and other basic facilities. The allotment is made by a committee approved for the purpose according to certain prescribed norms. Meritorious students and those belonging to far-flung areas of the state are given preference.

Fee Structure
Annual Hostel Fee   Rs.20,000 (Excluding mess charges)

Important Contact Numbers of University Functionaries

Associate Dean Academic Affairs	01962-241003	
Registrar	01962-241002	
Associate Dean, School of Eng. & Tech.		01962-241016
Associate Dean, School of Management Studies		01962-241003
Associate Dean, School of Education		
Associate Dean, School of Bios. & Biotechnology	9419175567	9622286448
Associate Dean, School of Islamic Studies & languages	9086180380	
Associate Dean School of Nursing & Biomedical Sc.	9799406600	
Principal, CoET	7780884031	
Principal, University Polytechnic		
Director, Centre for Hospitality & Tourism	9622286448	
Head, Department of English	7006512507	
Head, Department of Mathematical Sciences	9419277404	7889473046
Head, Department of Computer Sciences	7889378440	
Head, Department of Information Technology	7006472496	9419174250
Head, Department of Economics	9419170928	7780840199
Coordinator, Department of Arabic	9419629241	
Coordinator, Department of Botany	9622184466	
Head, Department of Zoology	9419175567	9622286448
Coordinator, Department of Physics	7780887961	9469679939
Coordinator, Centre for Biodiversity Studies	9419173280	
Coordinator, Centre for Research in Gojri, Pahari & Kashmiri Languages	9469000044	
Coordinator, Department of Urdu	7889477421	
Coordinator, Gojri & Pahari	9622286448	
Coordinator, Persian	9419103564	9086180380
Coordinator, Hindi	9149423026	
Coordinator, Department of Biotechnology	7006603181	
Coordinator, Department of Microbiology	7889964623	

Availability of Admission Prospectus & Application Form

Admission Prospectus containing the **Application Form is available** on Online Admission Portal **University Website:** www.bgsbu.ac.in. The Application form with all documents and Online Fee for Rs. 1000/ can be submitted before the last date of admission.

The cut off dates for submission of duly filled Admission Application Form, a for Under and Post Graduate programmes will be notified on University Website and through print and electronic media from time to time.

Contact Details for Further Information

(A) Admission related information: For any further admission related information, please contact the following persons.

1. Mr. Taseem Nazir Mufti   7006321557
    (BGSBU, Rajouri Campus)

2. Ms. Iram Amin Beig   9149832238
    (Camp Office, BGSBU,
    Channi Himmat, Bye PassRoad, Jammu)

3. Mr. Abid Hussain Qadri   7006617915 / 9419060096
    &
4. Mr. Asif Ahmed   9622720050 / 7006320827
    (Regional Office, BGSBU,
    Clay Model Lane, Opp. J&K Bank
    Baghat, Barzulla, Srinagar)

(B) Hostel related information:

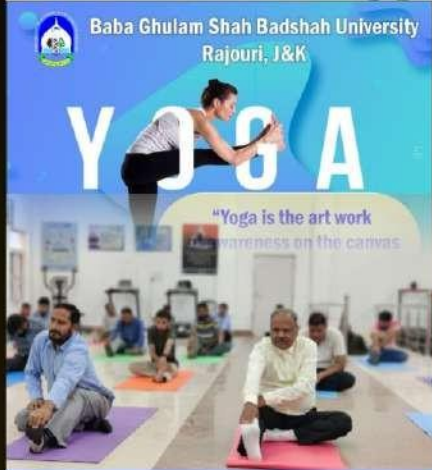The following persons may be contacted for hostel related information.

1. Dr. Ali Asghar Shah,   **Dean of Students**   9419175567 / 9622286448

2. Dr. Shams Kamal Anjum,   Chief Warden   9086180380
                            Sir Sayed Hall
3. Dr. Saima Aslam,   Chief Warden   7006529276
                            Fatima Zahra Hall
4. Dr. Titi Xavier   Chief Warden, '   9799406600
                            Nursing Hostel

(Hostel Manual will be available from the office of Dean of Students)
Phone No: 7006444548 / 9419878070 / 9086180380 / 9419175567 / 9622286448

STUDENT'S AMENITIES

Boys Hostels
Girls Hostels
Central Library
Fitness Centre- Gym
24/7 Health Centre
Ambulance facility
24/7 Internet Facility
Canteens
Shopping Complex
J&K Bank Branch & ATM
Post Office
Outdoor Sports facility
Indoor Sports facility
Books Shop
Campus Battery Vehicles
Transport Facility
Guest House
Yoga Centre
PirPal Café
Day Care Centre - Creche
Children Park

BGSBU'S
PIRPANJAL
BIODIVERSITY PARK

MAMMALIAN AND HERPETOFAUNA SPECIES

1. Common Leopard
2. Rhesus Macaque
3. Indian Porcupine
4. Common Palm Civet
5. Common Mongoose
6. Golden Jackal
7. Red Fox
8. Barking deer
9. Jungle Cat
10. Kashmir Agama
11. Monitor Lizard
12. Common Garden Lizard
13. Rat snake
14. Indian Viper
15. Snake Skink

AVIAN SPECIES

1. Black Francolin
2. Indian Peafowl
3. Red Junglefowl
4. Rock Pigeon
5. Eurasian Collared Dove
6. Oriental Turtle Dove
7. Spotted Dove
8. Common Swift
9. Cattle Egret
10. Black Eagle
11. Black-winged Kite
12. Himalayan Vulture
13. Spotted Owlet
14. Common Hoopoe
15. Common Kingfisher
16. White-throated Kingfisher
17. Green Bee-eater
18. Himalayan Woodpecker
19. Common Kestrel
20. Rose-ringed Parakeet
21. Slaty-headed Parakeet
22. Scarlet Minivet
23. Ashy Drongo
24. Black Drongo
25. Paradise-flycatcher
26. Isabelline Shrike
27. Long-tailed Shrike
28. Black-headed Jay
29. House Crow
30. Large-billed Crow
31. Red-billed Blue Magpie
32. RufousTreepie
33. Yellow-billed Blue Magpie
34. Cinereous Tit
35. West Himalayan Bush Warbler
36. Black Bulbul
37. Himalayan Bulbul
38. Red-vented Bulbul
39. Grey-hooded Warbler
40. Tytler's Leaf Warbler
41. Wood Warbler
42. Brownish-flanked Bush Warbler
43. White-throated Tit
44. Indian White-eye
45. Common Babbler
46. Jungle Babbler
47. Goldcrest
48. Wallcreeper
49. Treecreeper
50. Common Myna
51. Blue-capped Redstart
52. Whistling Thrush
53. Grey Bushchat
54. Indian Robin
55. Pied Bushchat
56. Spotted Forktail
57. Variable Wheatear
58. Verditer Flycatcher
59. Water Redstart
60. Purple Sunbird
61. TricolouredMunia
62. House Sparrow
63. Russet Sparrow
64. Paddyfield Pipit
65. White Wagtail
66. Western Yellow Wagtail

www.bgsbu.ac.in