JLU SCHOOL OF
ENGINEERING AND
TECHNOLOGY

JAGRAN LAKECITY
UNIVERSITY

igniting minds; changing lives

ABOUT JLU

At Jagran Lakecity University, we are committed to provide our students a holistic environment that promotes self- awareness and competency. Founded on life-enriching values, we are a government recognized and approved state private university under section 2(f) of UGC Act 1956, Government of India. Recognised as Global League Institute in 2015-16 & 2017 -18 By The Great Place To Study Research Institute and ranked as No1 Private University by Career 360 for 2017, the university has become vital part of Central India in short span of 5 years.

JLU is a practice-based University, which carries forward the legacy of its parent body, Jagran Social Welfare Society, in being a pioneer in provision of quality education. The programme on offer through various Schools embody the University's longstanding commitment to leadership and innovation in higher education. The curriculum for individual programme is designed through a perfect blend of inputs from renowned academicians and industry leaders who are a part of our academic advisory board. The academics at JLU are of the highest global calibre and are committed to excellence in teaching and learning.

CERTIFIED AS **GLOBAL LEAGUE INSTITUTE** 2017-18

GREAT PLACE TO STUDY CERTIFIED

Awarded
University of the Year
by FMPCCI, Govt. of MP
2014 & 2015

Ranked as
AAA Rated University
in India by Careers 360

Best Emerging Media School in India
by The Edutainment Awards 2015 & 2016

Recognized as
University of The Year
for Industry Interactions
by Higher Education
Review

Ranked
Among Top 5 B-Schools in MP
By Business World

JLU SCHOOL OF
ENGINEERING AND
TECHNOLOGY.

The School of Engineering and Technology at Jagran Lakecity University pushes the frontiers of modern engineering and technology through teaching and research, with a mission to seek solutions to important global problems and to educate leaders who will turn great ideas into real changes that will make the world a better place.

Each of our degree integrate elements of traditional engineering disciplines and draw on the strengths of our impressive faculty and their research experience. This foundation combined with practical design-based learning gives you the tools to envision new and effective solutions to issues in our world and bring them to life.

Unique Advantages

- Only B.Tech (Hons.) and B.C.A. (Hons.) program having super specializations with industrial collaboration in Central India.
- Collaboration with ImaginXP to strengthen the specialization courses.
- Global Immersion program in Foreign Universities.
- The only participating university from central India in ERASMUS+ programme under the Tuning India Project, funded by the European Commission.
- Final Semester Fully dedicated for Project Based Industrial Training Only.
- Industry recognized certificates from CompTIA in-built into the programme.
- Well equipped labs with world class equipment and facilities based on latest technologies.
- Hands-on training to design and develop innovative and real time projects from 2nd Year onwards.
- Rs. 25 Lakh seed fund for engineering innovations.
- 100% Scholarship for meritorious students.
- Government funded research project [of worth 50 lakhs] from agencies like DST, MPCST etc.
- Each program is delivered by experienced faculties and industry experts. Continuous development of faculty members through various workshops and FDPs in collaboration with various IITs, NITs and other national as well as international level institutions.

STUDENTS' ACHIEVEMENTS

Impressive Placement Record

Many renowned and reputed companies gave placements to the aspiring students where around 12 lakhs per annum packages reaches in B.Tech. (Computer Science & Engineering).

Innovative & Creative Projects by the students

Students of JLU-SOET have developed innovative and creative projects like Hydraulic Ram Pump, Blind-Stick, Auto Pilot Drone, Women Safety App, Hand Gesture Recognition System, Rider Assist System, Healthified App, PlasmaLead App etc. One of the project "Hand Gesture Recognition System" has secured the first position in engineering stream during Anveshan: Student Research Convention 2020. One team of SOET students participated and get qualified for the final round of SIEP E-Bike Challenge organised by ISIE INDIA & Hero Electric. The team also won the Spirit Award in this event. This project is also funded by the university."

STUDENTS' ACHIEVEMENTS

Students of BCA 2nd year
went to Egypt for a 45 days internship project.

Student of B.Tech CSE was part of the 1st AUAP
student English debate Competition held at
Bangkok, Thailand and Team stood as the overall
3rd Runner up.

A team of our students from JLU-SOET
participated and won first prize of Rs 1 lakh cash
for its innovation in the grand finale of Smart India
Hackathon 2020 (Software Edition) held from 1st-
Aug - 3rd Aug, 2020.

"Akshat Bahety, student of JLU School of
Engineering and Technology, and Abhishree
Kulshrestha, a student of JLU School of
Commerce and Economics won the Navonmesh
Startup Idea Challenge for their startup Pinakulo
and secured a cash prize of ₹1 Lakh to build the
idea. They were selected out of 300 startups that
applied for the same competition."

STUDENTS' ACHIEVEMENTS

Student of B.Tech CSE participated in 16th Senior National Roll Ball Championship-2019.

Many students of JLU-SOET got selected in GATE and for further education in aboard.

"Group of our B.C.A students has developed an Android App PlasmaLead. This application will help the people who are in need of plasma and also who want to donate their plasma during the tough time of the covid-19 pandemic."

PlasmaLead

PlasmaLead
Android App

Find Plasma And Donate
- Find Plasma Donor nearest to you!
- Get Verified Contact Info of Donors
- Donate your plasma (post-COVID) to people in need and save a life!

Donate Plasma Donate Life

Download Now
Link In Bio
bit.ly/plasmalead

Google Play

RANKED IN
TOP
10
TEAMS

Go-Kart conceptualized, designed and built by JLU Engineering students.

30+ WELL EQUIPPED LABS

PROJECT LAB

NETWORKING LAB

MACHINE LEARNING LAB

STRENGTH OF MATERIAL LAB

BASIC MECHANICAL ENGINEERING LAB

MACHINE SHOP

LINUX-UNIX LAB

FLUID MECHANICS LAB

JLU

GLOBAL IMMERSION PROGRAMME

The JLU Global Immersion Programme is designed with the aim to achieve excellence in academics along with providing engineering graduates the first-hand opportunity to experience the German supremacy in engineering disciplines. The programme has been integrated with the regular study programme for the engineering students making it a vital element of the learning at the School of Engineering & Technology. The highlights of the programme are:

- 4 week project based training at leading Universities of Germany.

- Learning exposure to areas such as Digital Technologies in Business (Industry 4.0, Impact of Automation ect.)

- Industrial visits to leading companies in Germany.

- Learning experience in Germany to involve classroom teaching, industry based project, industrial visits and site visits.

- Students to receive certification for their study in Germany.

- Study in Germany, Stay, basic food and medical insurance charges included in the programme fee.

B.TECH (HONS)

COMPUTER SCIENCE & ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)

B. Tech in Computer Science & Engineering (Artificial Intelligence and Machine Learning) is an undergraduate programme in collaboration of ImaginXP deals with advanced learning solutions like Machine Learning, Deep Learning and Natural Language Processing.

KEY MODULES

I YEAR
- Engineering Mathematics
- Computer Fundamentals & Programming in C
- Data Structures
- Python Programming

II YEAR
- Object Oriented Programming
- Java Programming
- Analysis and Design of Algorithms
- Introduction to Artificial Intelligence and Machine Learning

III YEAR
- Operating Systems
- Deep Learning
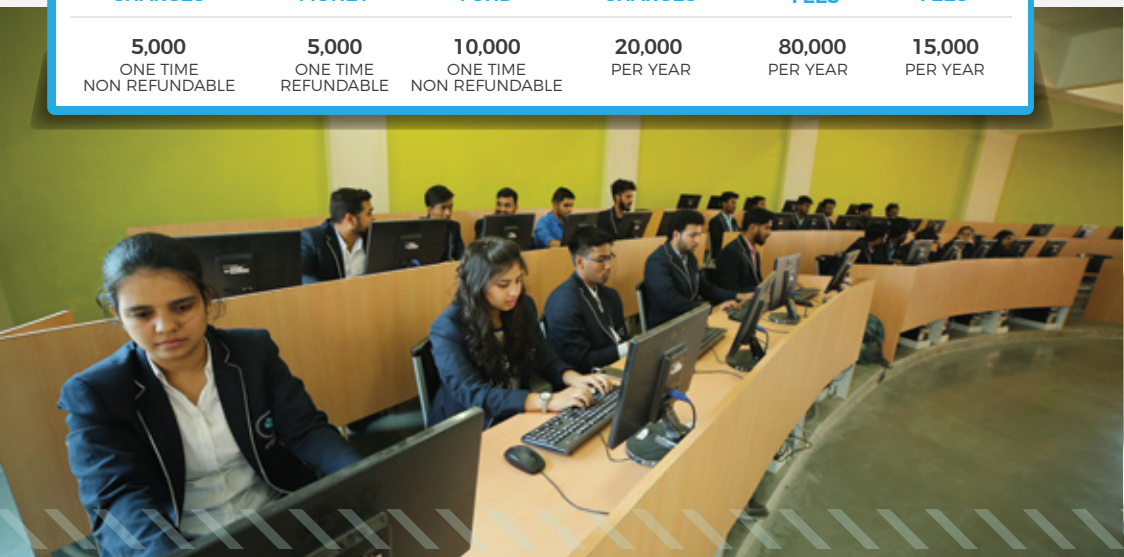- Natural Language Processing

IV YEAR
- Major Project/Internship
- Big Data Analytics
- Reinforcement Learning

MIN QUALIFICATION:

50% in 12th Standard Examination with Physics, Chemistry, Mathematics as compulsory subject from a recognised board and good communication skills.

FEE STRUCTURE (IN INR)

ADMISSION CHARGES	CAUTION MONEY	ALUMNI FUND	DIGITALIZATION CHARGES	TUITION FEES	EXAM FEES
5,000 ONE TIME NON REFUNDABLE	5,000 ONE TIME REFUNDABLE	10,000 ONE TIME NON REFUNDABLE	20,000 PER YEAR	80,000 PER YEAR	15,000 PER YEAR

B.TECH (HONS)

COMPUTER SCIENCE & ENGINEERING (USER EXPERIENCE)

B. Tech in Computer Science & Engineering (User Experience) is an undergraduate programme in collaboration of ImaginXP which aims to develop graduates that are not only well versed with computing approaches, tools, and technologies, but are also experienced with design approaches.

KEY MODULES

I YEAR
- Engineering Mathematics
- Computer Fundamentals & Programming in C
- Skill for Engineers
- Data Structures with C++

II YEAR
- Object Oriented Programming Using Java
- Analysis and Design of Algorithms
- Software Engineering
- Python for ML

III YEAR
- Introduction to UX Design & Digitalization
- Introduction to User Research, Empathy & its tool
- Visual Design Tools & UI Design Information Architecture, Wire framing & Prototyping

IV YEAR
- Internship/ Project
- Usability Testing
- Introduction to Interaction Design

MIN QUALIFICATION:

50% in 12th Standard Examination with Physics, Chemistry, Mathematics as compulsory subject from a recognised board and good communication skills.

FEE STRUCTURE (IN INR)

ADMISSION CHARGES	CAUTION MONEY	ALUMNI FUND	DIGITALIZATION CHARGES	TUITION FEES	EXAM FEES
5,000 ONE TIME NONREFUNDABLE	5,000 ONE TIME REFUNDABLE	10,000 ONE TIME NON REFUNDABLE	20,000 PER YEAR	80,000 PER YEAR	15,000 PER YEAR

B.TECH (HONS)

COMPUTER SCIENCE & ENGINEERING (DATA SCIENCE)

B. Tech. in Computer Science & Engineering (Data Science) is an undergraduate programme in collaboration with ImaginXP, which has been specifically designed to provide a platform to undergraduate students for a prospective career in upcoming data science industry. The curriculum is designed in close collaboration with industry which includes in-demand tools and technologies

KEY MODULES

I YEAR
- Engineering Mathematics
- Computer Fundamentals & Programming in C
- Data Structures
- Python Programming

II YEAR
- Object Oriented Programming
- Analysis and Design of Algorithms
- Introduction to Data Science
- R Programming

III YEAR
- Deep Learning
- Operating Systems
- Information Extraction and Retrieval
- Data Mining & Prediction by Machines

IV YEAR
- Internship/ Project
- Big Data Analytics
- Apache Spark and Scala

MIN QUALIFICATION:

50% in 12th Standard Examination with Physics, Chemistry, Mathematics as compulsory subject from a recognised board and good communication skills.

FEE STRUCTURE (IN INR)

ADMISSION CHARGES	CAUTION MONEY	ALUMNI FUND	DIGITALIZATION CHARGES	TUITION FEES	EXAM FEES
5,000 ONE TIME NON REFUNDABLE	5,000 ONE TIME REFUNDABLE	10,000 ONE TIME NON REFUNDABLE	20,000 PER YEAR	80,000 PER YEAR	15,000 PER YEAR

BCA

BACHELOR OF COMPUTER APPLICATIONS

The Bachelor of Computer Applications (BCA) scope is in multiple domains as it is an age of computers and their advancements, necessity of computer and its technologies is well known in the world

KEY MODULES

I YEAR
- Computer Fundamental
- Programming Principal & Algorithm
- C Programming
- Web Technologies

II YEAR
- Object Oriented Programming
- Data Structures
- Computer Graphics
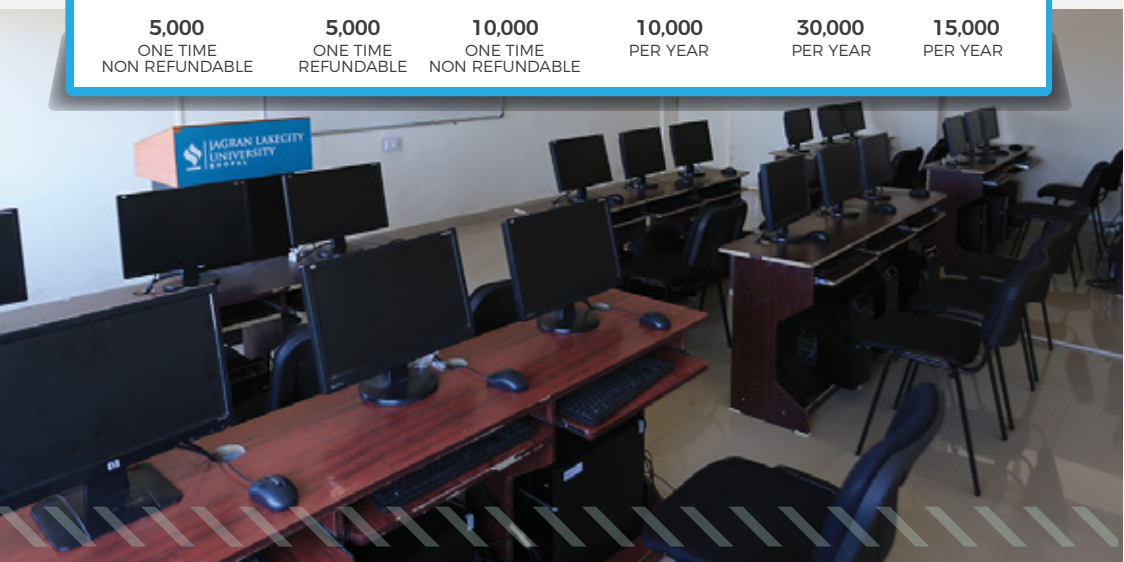- Data Base Management System

III YEAR
- Java Programming Computer Networks
- Computer Ethics
- Minor/Major Project.

MIN QUALIFICATION:

10+2 (min 50%) with Maths / Computer Sc. / Informatics Practice / Computer Applications / Multimedia & Web Technology / Data Management Application / Web Application

FEE STRUCTURE (IN INR)

ADMISSION CHARGES	CAUTION MONEY	ALUMNI FUND	DIGITALIZATION CHARGES	TUITION FEES	EXAM FEES
5,000 ONE TIME NON REFUNDABLE	5,000 ONE TIME REFUNDABLE	10,000 ONE TIME NON REFUNDABLE	10,000 PER YEAR	30,000 PER YEAR	15,000 PER YEAR

BCA (HONS)

USER EXPERIENCE

The objective of the course is to create people with expertise who will eventually emerge as leaders to influence future of UX design.

KEY MODULES

I YEAR
- Computer Fundamental
- Programming Principal & Algorithm
- C Programming
- Web Technologies

II YEAR
- Introduction to UX Design & Digitalization
- Introduction to User Research
- Empathy and its tool
- Visual Design Tools & UI Design Information Architecture
- Wire framing & Prototyping

III YEAR
- Introduction to Interaction Design
- Usability Testing
- Internship/Live Project

MIN QUALIFICATION:

Higher Secondary Certificate (HSC) qualification with a minimum of 50% or an equivalent qualification in any discipline from a recognized board, good communication skills.

FEE STRUCTURE (IN INR)

ADMISSION CHARGES	CAUTION MONEY	ALUMNI FUND	DIGITALIZATION CHARGES	TUITION FEES	EXAM FEES
5,000 ONE TIME NON REFUNDABLE	5,000 ONE TIME REFUNDABLE	10,000 ONE TIME NON REFUNDABLE	10,000 PER YEAR	45,000 PER YEAR	15,000 PER YEAR

BCA (HONS)

DATA SCIENCE

The objective of the program is to provide in depth knowledge of computer applications and software development along with data science and language programming. This program provides insights about the roles of a data scientist and enable student for analyzing Big Data.

KEY MODULES

I YEAR
- Programming Principle & Algorithm using C
  Object Oriented
- Programming using C++
- Data structures and Algorithms Introduction to Data Science
- Web Technologies
- Data handling and visualization

II YEAR
- Database Management System
- Introduction to User Research
- Operating System
- Machine Learning
- Big Data Analytics
- Data Analysis using Python

III YEAR
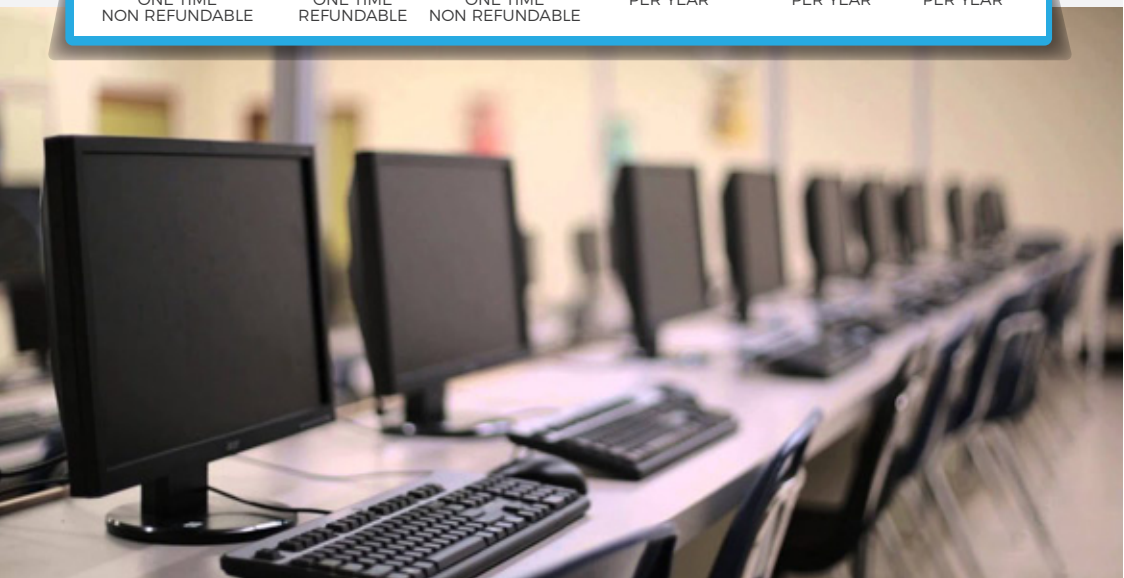- Computer Networks
- Operating Systems
- Deep Learning
- Data Mining: Concepts and Techniques
- Internship/ Project

MIN QUALIFICATION:

Higher Secondary Certificate (HSC) qualification with a minimum of 50% or an equivalent qualification in any discipline from a recognized board, good communication skills.

FEE STRUCTURE (IN INR)

ADMISSION CHARGES	CAUTION MONEY	ALUMNI FUND	DIGITALIZATION CHARGES	TUITION FEES	EXAM FEES
5,000 ONE TIME NON REFUNDABLE	5,000 ONE TIME REFUNDABLE	10,000 ONE TIME NON REFUNDABLE	10,000 PER YEAR	45,000 PER YEAR	15,000 PER YEAR

M.TECH

COMPUTER SCIENCE AND ENGINEERING

M Tech in Computer Science & Engineering has a wide range of specialties including software systems, cloud technology, artificial intelligence, Security, Data mining, and software engineering.
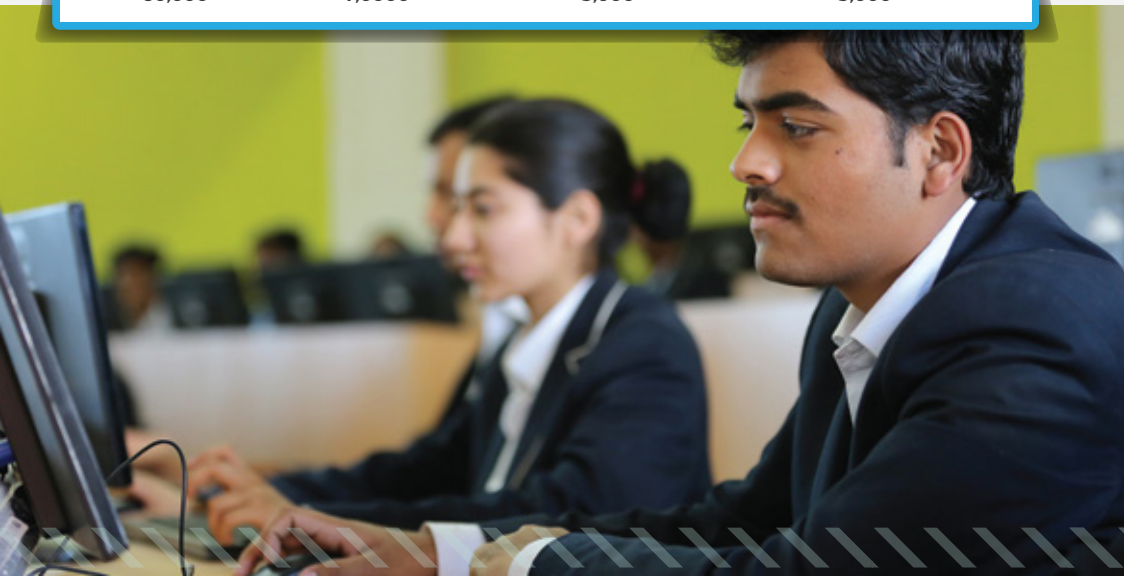
KEY MODULES

- Advanced Data Structures and Parallel Algorithms
- High Performance Computing
- Advanced Microprocessors Design
- Gaming and Animation

MIN QUALIFICATION:

BE/B.Tech in Computer Science and Engineering/ Information Technology/Electronics & Communication Engineering with minimum 50% marks with or without GATE as per AICTE norms.

FEE STRUCTURE (IN INR)

FEES / YEAR	ALUMNI FUND (ONE TIME)	CAUTION MONEY (ONE TIME REFUNDABLE)	ADMISSION CHARGES (ONE TIME NONREFUNDABLE)
60,000	1,0000	5,000	5,000

SCHOLARSHIP

The University offers two types of scholarships.
1. Scholarship based on the score in the 12th and in the national competitive exam like JEE.
2. Scholarships based on JLUET score.

Scholarship based on 12th / competitive exams like JEE score

Tution fee waiver	100%	50%	25%
Eligibility	JEE Score 90 & Above	JEE Score 80-89.99	JEE Score 75-79.99
	12th Board 92% & Above	12th Board 87% to 91.99%	12th Board 80% to 86.99%
No. of scholarship	5	10	15

Scholarship based on JLUET Score

Tution fee waiver	90%	75%	50%	25%
JLUET %	92% and Above	85% to 91.99%	80% to 84.99%	75% to 79.99%
No. of scholarship	10	15	25	40

Note: All scholarships are only on first-year tuition fees.

ADMISSION PROCESS

STEP 1

The students can either fill the form online from home or at JLU's admission office. The Cost of the Admission Form is Rs.1100. JLU does not have paper-based application form.

STEP 2: FILL THE APPLICATION FORM

Students are required to complete all the relevant sections of the application form, including personal information and family information. The system will not allow the incomplete forms to be submitted. Students are required to submit the following documents, duly self-attested along with the complete application form:

- 10th / 12th / Graduation mark-sheet
  (if applying for postgraduate programme)
- 4 recent passport size photograph
- Copy of Aadhaar Card

STEP 3: VERIFICATION OF DOCUMENTS AND INTERVIEW CALL

Upon receiving the completed application form along with necessary documents, the University Admissions office may take upto 7 working days to process the application. Once the application is processed and accepted, an e-mail will be sent to applicants detailing the time and venue for the admission interview/entrance exam, based on the eligibility criteria of the desired program.

STEP 4: INTERVIEW RESULTS AND OFFER LETTER

Applicants will be issued an offer letter by e-mail, (conditional / unconditional) once they successfully clear the admission entrance exam and/or personal interview. The offer letter shall contain the program details, fee structure and can be used in applying for a Bank Education Loan.

ADMISSION OFFICE DETAILS:

BHOPAL OFFICE:
JLU Student Enrichment Hub, Near Kaliasot Barrage,
Chandanpura, Bhopal – 44, Madhya Pradesh, India
M: +91 7471110101 / 7471110102 / 7471110103

INDORE OFFICE:
Jagran Lakecity University, The Headquarters,
204, 2nd Floor, Sathya Sai Square, Vijay Nagar, Indore,
Madhya Pradesh, India
M: +91 (731) 4997004 / 7471110172 / 7471110173

VIDARBHA OFFICE:
Jagran Lakecity University, 741, First Floor,
Nelson Square, Nagpur -13, Maharashtra, India
M: +91 9145670606 / 9665027247 / 7507510752

Toll Free No: 1800-419-0156   **E-mail: admission@jlu.edu.in**

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Scan to Discover

If you are thinking of studying at Jagran Lakecity University Bhopal, you should attend one of our Open Day festivals and find out everything you need to know. Please visit www.jlu.edu.in

JAGRAN LAKECITY UNIVERSITY

ESTABLISHED BY GOVT. OF M.P. BY ACT NO. 22 OF 2013
RECOGNISED UNDER SECTION 2(F) OF UGC ACT 1956