

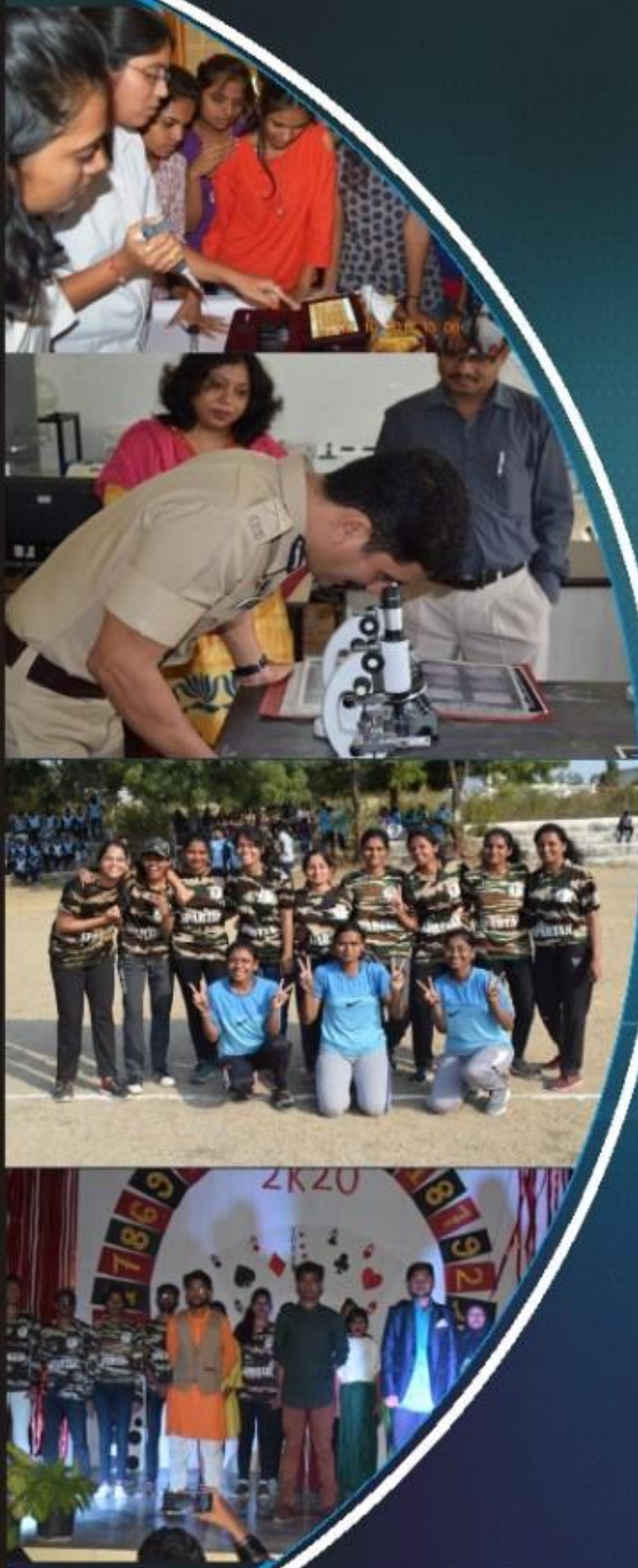
Department of Higher & Technical Education
Government of Maharashtra



GOVERNMENT INSTITUTE OF FORENSIC SCIENCE

INFORMATION BROCHURE

ACADEMIC YEAR 20-21



Campus : Nipat Niranjan Nagar, Caves Road, Aurangabad - 431001 (MS), India
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About the Institute

The Department of Higher and Technical Education, Govt. of Maharashtra taking a visionary step started Government Institute of Forensic Science, Aurangabad in August 2009 with a special Government resolution to cater Higher Education and Research in the field of Forensic Science. The Institute is housed in the campus of Govt. Institute of Science, Aurangabad, which is a picturesque campus in the vicinity of Aurangabad caves sprawled in an area of 21 acres. The Institute is one of the leading Institutes in the country which imparts quality education and research in various domains of Forensic Sciences. The Institute also imparts training to police officers and officials on various topics including Crime Scene Investigation and Digital Forensics and also scientifically investigates the evidences and provides our opinion to police officers. The Institute has well-equipped State-of-art laboratories and sophisticated instrumentation facilities for all the major disciplines of Forensic Sciences.



Need of Forensic Science Education :

The crime scenario is rapidly changing around the globe. The latest technologies are used by the criminals to commit crimes smartly and remotely, which is affecting every common man in the society. A common man is encountered at every walk of life. Thus, there is a need to produce skilled human resources to encounter the increasing challenges by the criminals. Education in Forensic Sciences may help in producing such human resources.

Forensic Science is a multi-disciplinary science, which involves applications of science and technology to the legal (criminal and civil) matters. Theory and principles of scientific disciplines, such as, Physics, Chemistry, Biology, Forensic Science and Computer Sciences are utilized to investigate a crime and to reach a conclusion about the criminal activities and commission of crime.

At global level, there are various Institutions, which impart training and research in the various domains of Forensic Sciences. Thereby, in developed countries, Forensic Science is an indispensable discipline to generate skilled human resources for criminal justice delivery system. India in general and the State of Maharashtra in particular have taken similar initiatives to start Forensic Science Institutions. Government Institute of Forensic Science, Aurangabad is one of them. The Institute is one of the best Institutions in the country. The academic programs in the Institute have been designed as per the need of stake-holders. The syllabus for each academic program was designed by the experts from academia and industries to provide the best education in Forensic Science as per the need of hour.

Vision and Mission :

Vision Statement:

- ☒ To contribute to Indian and global criminal justice system, industry and society being a fountainhead through excellent ideas and innovations in forensic education and research.

Mission Statements:

- ☒ To impart quality education as per the needs of its stake-holders and society through excellence and innovation in teaching-learning and research process.
- ☒ To inculcate the highest value, ethics, professionalism and scientific aptitude among the students and faculty members.
- ☒ To generate quality human resources providing an environment conducive of innovation, creativity, team-work, leadership and entrepreneurship.
- ☒ To undertake collaborative framework to interact and share ideas among academia, industries and other stake-holders.

Objectives :

The Institute has set following objectives:

- ☒ To provide quality education in different disciplines of Forensic Science.
- ☒ To design and execute curriculum at par with the International standards.
- ☒ To produce expert professionals in the field of Forensic Science, who in turn will work scientifically and efficiently in corporate, government sectors, police and FSLs.
- ☒ To emphasize on sustainable learning approach to make the students enable to work as team member or leader in the highly skilled domain of Forensic Science.
- ☒ To undertake research and development of International standards in various fields of Forensic Science.
- ☒ To extend training, consultancy and expertise to the stakeholders
- ☒ To educate and create awareness for abatement of crime in the society.

The Director



Dr. Satish M. Deshpande is presently working as the Director of the Institute. Dr. Deshpande has more than 24 years of PG teaching and research experience in Geology. Dr. Deshpande has published more than 30 research papers. Under his guidance 8 students were awarded Ph.D. degree and 6 more students are pursuing research towards their doctoral research. He has handled many minor and major research of various funding agencies including, UGC,

New Delhi. He had an immense administrative experience as Joint Director (Higher Education) of Sholapur, Aurangabad and Jalgaon region.

Academic programs

The Institute offers four full time academic programs. All the programs are approved and affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. The courses are as follows:

- B.Sc. Forensic Science (three years program)
- M.Sc. Forensic Science (two years program)
- PG Diploma in Forensic Science and related Laws (one year program)
- PG Diploma in Digital and Cyber Forensics and related Laws (one year program)

Sr. No.	Title of the Program	Durations (in year)	Eligibility	Intake capacity
1.	B.Sc. Forensic Science	3	12 th Science from any recognized board	50
2.	M.Sc. Forensic Science	2	B.Sc. Forensic Science [Students must have passed B.Sc. Forensic Science three years program with all papers dedicated to different disciplines of Forensic Science. Forensic Science as an optional paper is not eligible for the program.]	25
3.	PG Diploma in Forensic Science and related Law	1	The candidates who have passed Bachelor degree in Science with subjects, Physics/ Chemistry/ Botany/ Zoology/ Microbiology/ Biotechnology/ Biochemistry/ Forensic Science/ Pharmacy and possessing degree in medical sciences, such as, MBBS, BHMS and BDS.	40
4.	PG Diploma in Digital and Cyber Forensics and related Law	1	The candidates who have passed Bachelor degree such as B.Sc. IT/ Computer Science/ Bioinformatics/ Statistics/ Mathematics /Electronics, BCS, BCA and Engineering degree such as B.E./ B.Tech. in Computer Science/ IT/ Electronics/ Telecommunications	40

Academic Units

The Institute is having seven departments, namely, Forensic Science, Forensic Physics, Forensic Chemistry, Forensic Biology, Forensic Psychology, Digital and Cyber Forensics and Law. All the departments are involved in quality teaching using smart technologies and innovative research in their respective area. The departments participate in regular discussion through in-house seminars and lecture series among themselves and truly involved in inter-disciplinary activities.

Department of Forensic Science

Department of Forensic Science is the leading department of the Institute. The department is essentially involved with Crime Scene investigation (CSI), examination of questioned documents and fingerprint analysis. Moreover, the department helps other departments for forensic related examination and research in allied disciplines. The department is having world class instrumentation facilities in the field of CSI, document examination and fingerprint analysis. To name a few, VSC 6000/HS, ESDA-2, MVC 1000, Crime-lite, cyanoacrylate, fumigation chamber, stereomicroscope and several kits. Recently, the department has developed Multimedia Forensics facilities which are involved in forensic speaker identification, audio, video and image authentication and enhancement of multimedia files including CCTV footage.



Faculty Members



Dr. Rajesh Kumar

(M.Sc., Ph.D., UGC NET, IITIS-JRF)

Assistant Professor and Head

Research Interest: Forensic Physical Sciences, Computational Forensics and Multimedia Forensics

Dr. Beauty Arora

(M.Sc., Ph.D., UGC NET, IITIS-JRF, CSIR-SRF)

Assistant Professor

Research Interest: Forensic Chemistry and Toxicology, Forensic Neuroscience



Mr. Anurag Sahu

M.Sc., UGC NET

Assistant Professor

Research Interest: Forensic Nano-toxicology, Entomotoxicology

Mr. Abhijeet Sarkar

M.Sc., UGC NET

Assistant Professor

Research Interest: Forensic Physics, Forensic Cognitive Sciences



Department of Forensic Physics

The Department is involved in imparting training in the field of Ballistics, physics, photography, noise level monitoring and trace evidence analysis (glass, paint, wire, cable, electric meter, electronic circuit). Apart from various basic instruments related to physics and electronics, the department is equipped with modern state-of-the-art instruments, such as Raman Spectrophotometer, Radioactivity Measurement Device, Densitometer, Noise Measurement apparatus and ballistic comparison microscope.



Faculty Members



Dr. S. G. Narwade M.Sc., Ph.D., B.Ed.
Assistant Professor and Head
Research Interest: Dielectrics,
Thin Films, Ultrasonics and
Forensic Physics

Head Of the Department



Dr. F. I. Shaikh
M.Sc., M.Phil (Ph.D.), UGC-JET (MS)
Assistant Professor
Research Interest:
Superconductors, ferrites and
gas sensors and Forensic Physics

Ms. Anju A. Pakhale

M.Sc., B. Ed., UGC-JET (MS)
Assistant Professor
Research Interest: Material
Science and Nanotechnology



Department of Forensic Chemistry

The department provides training in examination of pesticides/insecticides, toxins, explosives and their derivatives, narcotics drugs and psychotropic substances and metals. The department also provides training to examine adulteration in food material, edible oil and petroleum products. The department is equipped with all the modern chromatographic and spectroscopic instruments, such as Gas chromatography-Mass Spectrophotometer (GC-MS), UV-Visible spectrophotometer, High Performance Liquid Chromatography (HPLC), FTIR Spectrophotometer, Visual melting point apparatus, Densitometer, Vacuum evaporator, Thermal Gravimetric Analyzer (TGA), and Flame Photometer besides the basic equipments related to chemical analysis.



Faculty Members



Dr. D. D. Gaikwad

M.Sc., M. Phil, Ph.D., B.Ed., UGC-NET, JRF

Associate Professor and Head

Research Interest : Analytical chemistry and Forensic chemistry

Head Of the Department



Dr. D. S. Bhagat

M.Sc., Ph.D., CSIR-NET JRF, GATE

Assistant Professor

Research Interest : Green

Chemistry, Methodology and Forensic Chemistry

Department of Forensic Biology

The department is dedicated to training in the area of examination of various biological fluids, serological testing, entomological, microbiological, limnological, and enzymatic studies, isolation, amplification and identification of DNA samples from various sources, and analysis of pathogenic bacteria, fungi, plant and their toxins. The department also gives training in Wild life Forensics, which includes examination of hair, nails, feathers, skin of wild animals for their identification. The department is equipped with sophisticated equipments like biological comparison microscope, Microtome, Thermal cycler, Electrophoresis units, Gel documentation system, Bio-safety cabinet, Water purification system, High speed refrigerated centrifuge, BOD incubator, Orbital incubator shaker, Deep fridge and various modern microscopes and molecular biological kits in addition to basic instruments.



Faculty Members



Mr. A. D. Ghuge

M.Sc., M. Phil, UGC NET, SET, GAIE

Assistant Professor and Head

Research Interest: Forensic
Clinical Research

Head Of the Department



Ms. A. D. Naik M.Sc., UGC SET (MS)

Assistant Professor

Research Interest: Forensic
Biotechnology

Mr. S. G. Sangle M.Sc., UGC NET, SET

Assistant Professor

Research Interest:
Forensic Microbiology,
Molecular Biology



Department of Digital and Cyber Forensics

The department is instrumental to cater education and research in the most challenging digital crimes. Digital and Cyber Forensic department is well equipped with Laboratories having 25 desktops, 1 server, 1 Workstation, 1 Smart Board, 5 Printers and 1 LCD projectors along with LAN and Internet with Wi-Fi connectivity. The department has software and hardware for investigation of digital and cyber-crimes, such EnCase Forensic Tool, Oxygen Mobile Forensic, CDAC Mobile Check, Solo Image Master Kit, Mobile Forensic, Paraben tool kit, FTK (Forensic Tool Kit), CDR (Call Data Record) analyzer, Facebook Profile Examiner Software, Matlab 2010, Screen Recorder, Mobile Edit, FRAT (Forensic Registry Analysis Tool), Winlift – Live RAM capture, Networking Analysis Tool (NeAT), Python, Stego suite and Drive Lock.



Faculty Members



Dr. C. N. Kayte M.Sc., Ph.D.

Assistant Professor and Head

Research Interest: Digital Signal
Processing

Head Of the Department



Dr. Shobha K. Bawiskar

M.Sc., M. Phil, Ph.D., UGC-NET(MS)

Assistant Professor

Research Interest: Nanotechnology,
SE, Artificial Intelligence

Ms. Vini A. Kale

M.Sc., M.B.A., UGC-NET

Assistant Professor

Research Interest: Natural
Language Processing,
Machine Learning



Department of Forensic Psychology

The department is involved in teaching and research in the area of forensic psychology. The department is well equipped with various Psychological testing apparatus which includes Lie detector (polygraph), depth perception apparatus, and around 50 different psychological tests. The department conducts various tests for analysis of IQ, logical reasoning, memory, mathematical ability, thematical perception test and behavioural profiling.



Faculty Members



Dr. Sumedha C. Jadhav

M.A., B.Ed., Ph.D.

Assistant Professor and Head

Research Interest : Cognitive
Psychology

Ms. Manisha S. Gujar

M.A., UGC NET

Assistant Professor

Research Interest : Clinical
Psychology



Department of Law

The department is dedicated to provide training in various issues related to law. The faculty members of this department impart education regarding major legal aspects of Constitution of India, IPC, CrPC, Indian Evidence Act, IT Act 2000, NDPS Act, Drug and Cosmetic Act besides various other legal aspects related to Forensic Science.



Mr. Rahul K. Bharati

M.Sc., LL.M., M.B.A., D.C.E., UGC NET

Assistant Professor and Head

Research Interest: Corporate and
criminal laws, cyber laws

Mr. Rahul K. Gawade

B.S.L., LL.M., UGC NET

Assistant Professor

Research Interest: Civil
and criminal law



Other Infrastructure

The Institute has adequate infrastructure for the academic programs offered by the Institute. Details are as follows:

Library



The Institute has a separate well furnished automated library with over 3000 text books, reference books, periodicals, encyclopaedia and journals dedicated to Forensic Science studies. Moreover, the library is also connected with National online resources, which comprises more than 5 lakhs e-resources in terms of National/International, e-journals and e-books. The library has also separate study rooms for boys, girls and faculty members

Well furnished classrooms



The Institute is also having a multipurpose hall of seating capacity 400. The hall is acoustically designed and equipped with audio-video and internet facility. The hall is used to arrange Seminars, Symposia, Conferences, Workshops and annual social gathering. The multipurpose hall is also used to play indoor games.

Multipurpose Hall



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Boys and Girls Hostel

The Institute is having a separate boys and girls hostels. Though the Institute has hostel facilities but the seats are limited and preference is given to the students admitted for B.Sc. and M.Sc. Forensic Science.

Students Oriented Programs

Placements



The Institute organized campus placement for their M.Sc. students. In the last academic year, the Institute has organized 100% campus placements for the students. The students are placed in several government and private agencies. Some of the government organizations include Police Training Centre, National Crime Record Bureau and Directorate of Forensic Science Laboratories, Mumbai. As far as private agencies are concerned, the leading agencies are Pitney Bowes, Incognito Forensic Foundations, Infosys and Truth Lab.

Internship



The Institute also organize summer and winter internship for their students to various leading Forensic Science laboratories of the country. To name a few are, Central Forensic Science Laboratory (CBI), New Delhi, Central Forensic Science Laboratory, Pune, Telangana Forensic Science Laboratory, Hyderabad, Maharashtra Police, Directorate of Forensic Science Laboratories, Mumbai and Forensic Science Laboratory, New Delhi. Apart from that students are also taken to visit various Institutions of National and State importance.

Curricular and co-curricular activities

Activities within and outside campus is organized for overall development of the students. Some of them are:

- National Service Scheme (NSS)
- Annual Social Gathering
- Participation in youth festival and competitive programs
- Indoor and outdoor sports competition
- Exhibitions in Police raising days

Scholarship

Both National and State level scholarships are available for the eligible students of the Institute. Moreover, the Institute also promotes the students to apply for various scholarships conferred by industries and private trusts.

Admission Process

Admission Criteria

Admission to the academic program run in the Institute is strictly on the basis of merit and prevailing reservation policies of Government of Maharashtra/ Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

As per university regulation seeing the COVID-19 situation, this year admission to M.Sc. Forensic Science is also based on merit. For any update in this regard, kindly visit our website regularly.

Admission to B.Sc. Forensic Science is based on merit and reservation. Aggregate percentage of 12th will be considered for admission. If the aggregate percentage of the two candidates is the same, marks of compulsory subjects will be considered for tie-breaking. Further, tie-breaking will be done on basis of marks of 10th and age (older will be preferred).

Similarly, admission to PG Diploma programs is based on merit and reservation. Aggregate percentage of Bachelor degree will be considered for admission. Tie-breaking will be done on the basis of marks of 12th, 10th and age (older will be preferred).

Admission will be given to the eligible candidate if his/her name appears on the merit list displayed by the Institute on the website. Just appearance of the name doesn't guarantee the admission unless he/she fulfils all the criteria laid down by the Institute as per the guidelines of Dr. Banasaheb Ambedkar Marathwada University, Aurangabad and Government of Maharashtra.

Application process

The application process for admission to various courses is online. Kindly visit our page <http://registration.gifsa.ac.in/> for online registration. Detailed instruction is also available at our website <http://www.gifsa.ac.in/>

Registration cum application fees for general category is Rs. 200 while for other categories is Rs. 150.

Payment can be made using either of the options:

- o Debit Card
- o Net Banking
- o Mobile payments
- o Paytm
- o Wallet (Freecharge, JioMoney, MobiKwick, Buddy)
- o UPI

The duly filled application form has to be submitted online. Once the application form is submitted successfully, download the application form and bring the hard copy at the time of admission along with original and true copies of each of the relevant documents.

Relevant documents means:

B.Sc.: application form, 10th mark sheet, 12th mark sheet, Leaving certificate, domicile certificate (for students of Maharashtra State), caste certificate (if applicable), validity certificate

(if applicable), non-creamy layer certificate of the current year (if applicable), migration certificate (for students other than Maharashtra State), Sports certificate (if applicable, only State/National level), Ex-servicemen (if applicable).

M.Sc./PG Diploma: application form, 10th mark sheet, 12th mark sheet, B.Sc. mark sheet, Leaving certificate, domicile certificate (for students of Maharashtra State), caste certificate (if applicable), validity certificate (if applicable), non-creamy layer certificate of the current year (if applicable), migration certificate (for students other than Maharashtra State), Sports certificate (if applicable, only State/National level), Ex-servicemen (if applicable).

All relevant certificates including caste certificate, validity certificate and Non Creamy layer certificate duly issued by competent authority has to be submitted at the time of admission. Failing which may lead to cancellation of admission irrespective of merit shown in the merit list.

In case of any query, feel free to contact us:

Email: admission@gifsa.ac.in

For more information, please feel free to visit our website www.gifsa.ac.in.

Fees for various programs:

- B.Sc. Forensic Science - Rs. 1904/-
- M.Sc. Forensic Science - Rs. 2200/-
- PG Diploma - Rs. 2200/-

Waiver in fees is available for ST/SC candidates as per the norms of Govt. of Maharashtra



Student Activities

