



# VISHVESHWARYA GROUP OF INSTITUTIONS

Affiliated to AKTU, Lucknow (U.P.) | CCS University, Meerut (U.P.)  
Technical Campus, Approved by AICTE / UGC / PCI / BTE / BCI  
Approved by Ministry of Education, Govt. of India



# B.Tech.

## Electronics & Comm. Engg.

# EMPLOYABILITY PROGRAMME



**ENGAGE • EMPOWER • EMPLOY**

**M**ajor in Digital Forensics  
Minor in Image Processing




**Call: 8130293785/8882497736 | Toll Free: 1800 8430 400**

**Vishveshwarya Campus**

20 km from Ghaziabad on Bulandshahar G.T. Road, NH-91, Gr. Noida Phase-II, G.B. Nagar, Pincode: 203207 (U.P.)

website: [www.vgi.ac.in](http://www.vgi.ac.in)

# PROGRAM OUTCOMES

-  • Comprehension of image processing expertise to solve issues in forensics, language translation, etc.
  -  • Design experiments, analyze, synthesize, and interpret results using research-based knowledge.
  -  • An ability to create, choose, and use cutting-edge engineering tools required for electronics and communication engineering.
-  • The role of digital forensics and its relationship to traditional science, as well as the appropriate use of scientific methods.
  -  • An understanding of how to apply science properly, as well as the function of digital forensics.
  -  • An ability to understand the processes of identification, preservation, inspection, analysis, and reporting.



# B.Tech. Employability

Electronics & Communication Engineering (ECE)\*

## STAGES FOR VALUE ADDITION IN DIGITAL FORENSICS

		<b>Semster 1.</b> Communication & Behaviour Building Team Dakshata
<b>Semster 2.</b> Need & Importance of Forensic (Awareness program) External Experts	<b>Semster 3.</b> Role of Computation in Forensics External Certification	<b>Semster 4.</b> Ethics Policies & IT Act External Certification
<b>Semster 5.</b> Forensics in Social Behaviour External Certification	<b>Semster 6.</b> Training on MATLAB External Certification	<b>Case Studies Using MATLAB/Advanced Excel</b> Summer Internship/Mini Project Academic Partner
<b>Semster 7.</b> Cyber Laws & Cyber Security External Experts	<b>Semster 8.</b> Incident Response Management External Experts	<b>Semster 9.</b> Major Project Based on Real Forensics & Cyber Security Issues Academic Partner



02 Digital Security Trainer

04 Computer Forensics Analyst

06 Digital Security Business Development Analyst

08 Digital Forensic Security Marketing Associate

10 Digital Forensic Security Lead

Digital Forensics Expert 01

Digital Forensics Reseacher 03

Cyber Threat Intelligence Analyst 05

Cyber Security Marketing Analyst 07

Network Security Analyst 09

Digital Forensic Security Solution 11

**Career Prospects After B.Tech. Employability Electronics & Communication**

## Our Prospective Recruiters

**HCL**

Capgemini

**Cognizant**

paraben<sup>®</sup>  
corporation

**amazon**

Infosys<sup>®</sup>  
BPM



Zentek  
Forensics Limited

MAGNET<sup>®</sup>  
FORENSICS



**Image Enhancement**  
**Motion Estimation**  
**Stabilization Contrast**  
**Enhancement**  
**Super-Resolution**

**Modeling, the world**  
Mosaicking  
3D Modeling

**Object Information**  
Object detection  
Tracking  
Change detection

**Situation assessment**  
Activity Recognition  
Interactions  
Pattern -of-life

# TECHNOLOGIES USED IN IMAGE PROCESSING

# APPLICATIONS OF IMAGE PROCESSING & COMPUTER VISION



Automatic Visual Inspection System

Remotely Sensed Scene Interpretation

Biomedical Imaging Techniques

Defense Surveillance

Content Based Image Retrieval

Moving Object Tracking

## EXPECTED GROWTH OF MARKET FOR IMAGE PROCESSING (WORLD WISE)

Global Image Processing System Market 2022-2029

