



# 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 M.HRD (Government 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





**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**  
FORENSICS<sup>®</sup>



**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

