



GAYATRI VIDYA PARISHAD

INSTITUTE OF HIGHER LEARNING AND RESEARCH

(Deemed to be University under Distinct Category under Section 3 of the UGC Act, 1956)

Kommadi, Madhurawada, Visakhapatnam - 530 048, Andhra Pradesh

SCHOOL OF SCIENCES

(GVPIHLR-SOUTHEAST CAMPUS, Rushikonda)

BCA (Hons)

BACHELOR OF
COMPUTER APPLICATIONS

◆ A FOUR YEAR UNDERGRADUATE
HONORS PROGRAM WITH MULTIPLE
ENTRY AND EXIT OPTION ◆



GVPIHLR envisions 'Creating Human Excellence for a better society through holistic and multidisciplinary education'.



MISSION

At GVPIHLR our mission is propelled by an unwavering dedication to achieving human excellence and contributing to a better society through a holistic and multidisciplinary approach to education.

"An integrated curriculum blending core computing, data-driven electives, and AI-enabled skills — preparing every BCA graduate for the technology careers of tomorrow."

◆ ADMISSION CONTACT DETAILS ◆

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ABOUT GVPIHLR

Gayatri Vidya Parishad (GVP) is established in 1988 with a service motive, committed to develop education in India. The basic aim is “to promote, establish, maintain and assist or aid in maintaining educational and other institutions with a view to impart education in all branches in general and in Advanced Technology, Management, Education and Science (including Healthcare) in particular and thus to facilitate securing gainful employment for the youth of the country.”

In line with this and in tune with National Educational Policy 2020, the GVP established Gayatri Vidya Parishad Institute of Higher Learning (GVPIHLR), a deemed to be university under distinct category that promotes integration of Multidisciplinary, Interdisciplinary and Transdisciplinary fields. It enables the blend of ancient wisdom and traditional values with modern science and technology for the health and well-being of the society among the youth.

Through this integrated academic ecosystem, GVPIHLR enable learners attain critical thinking, creativity, innovation, collaboration, and problem-solving, while drawing upon the strengths of diverse disciplines to address complex societal challenges and contribute meaningfully to the advancement of knowledge and the well-being of society.



ABOUT BCA

✓ At GVPIHLR, the BCA program goes beyond an undergraduate degree. It transforms aspiring minds into skilled, innovative and industry-leading technology professionals.

✓ BCA has been offered since the academic year 2017-2018, the department has a proud legacy of academic excellence, with 9 batches of students successfully completing their program to date.

✓ Supported by a dedicated, professionally trained and experienced faculty team, the department extends learning beyond the prescribed curriculum through specialized courses, hands-on workshops and practical training in emerging technologies.

✓ The curriculum is carefully structured to build a solid foundation in computing, programming, software development, data management and emerging domains.



SCHOOLS UNDER GVPIHLR



School of Arts and Humanities



School of Commerce and Management



School of Chemical, Mechanical and Civil Engg.



School of Computer Science and Engg.



School of Electrical and Electronics Engg.



School of Sciences



◆◆◆ BCA AT A GLANCE ◆◆◆



4 YEARS

Undergraduate Program



9+ BATCHES

Academic Legacy Since 2017



EXPERIENCED FACULTY

Dedicated & Qualified Team



MODERN LABS

State of Art Infrastructure



INDUSTRY READY

Handson Training & Internships



PLACEMENT FOCUS

Strong Support for Career Growth



POSTGRADUATE PROGRAMS

AICTE - TWO YEAR POSTGRADUATE PROGRAM

- MCA - Master of Computer Applications
- M.Sc (CS & AI) - Master of Science in Computer Science and Artificial Intelligence
- M.Sc (OC-DD) - Master of Science in Organic Chemistry, Drug Design & Synthesis



Student seminar session



UNDERGRADUATE PROGRAMS

AICTE - FOUR YEAR UNDERGRADUATE PROGRAM

► BCA (Hons) - Bachelor of Computer Applications

UG 4 YEARS HONORS / 5 YEARS INTEGRATED

- B.Sc. (Hons.) Computer Science and Artificial Intelligence
- B.Sc. (Hons) Embedded Electronics and Artificial Intelligence
- B.Sc. (Hons) Quantum Computing and Artificial Intelligence
- B.Sc. (Hons) Bioinformatics with Artificial Intelligence
- B.Sc. (Hons) Statistics and Data Science
- B.Sc. (Hons) Mathematics and Computer Science
- B.Sc. (Hons) Statistics and Quantitative Methods
- B.Sc. (Hons) Chemistry and Pharmaceutical Applications

▶ ▶ BCA VISION & MISSION ▶ ▶



VISION

To become a leading provider of comprehensive education in Computer Applications



MISSION

To be a leading academic department in computer applications, fostering innovation, critical thinking and professional excellence, while empowering students to adapt to emerging technologies and contribute ethically to the global IT landscape.

WHY BCA AT GVPIHLR?

A professionally focused undergraduate program that develops expertise in innovative technologies, problem-solving, and professional excellence in computing.



Academic Excellence – Value Based education.



Experienced Faculty – Dedicated & Supportive.



Modern Infrastructure – Advanced labs and facilities.



Industry Exposure – Internships and Live Projects.



Placement Support – Strong Placement Assistance.



Holistic Development – Leadership & Life Skills.

▶ ▶ BCA PROGRAMME FEATURES ▶ ▶



Discipline Specific Core



Discipline Specific Electives



Skill Enhancement Courses



Value Added Courses



Multidisciplinary Courses



Ability Enhancement Courses



Community Service Project



Internships



Academic Projects

▶ LEARNING BEYOND THE CLASSROOM

HANDS-ON COMPUTING EXPERIENCE

INDUSTRY-ORIENTED WORKSHOPS

EXPERT TALKS AND GUEST LECTURES

TECHNICAL SEMINARS

HACKATHONS AND CODING CHALLENGES

INDUSTRY RECOGNIZED CERTIFICATIONS

COMMUNICATIONS AND SOFT SKILLS TRAINING

NCC (AIRWING, ARMYWING)



NSS



SPORTS & CULTURALS



RAISE THE VISION- RTV

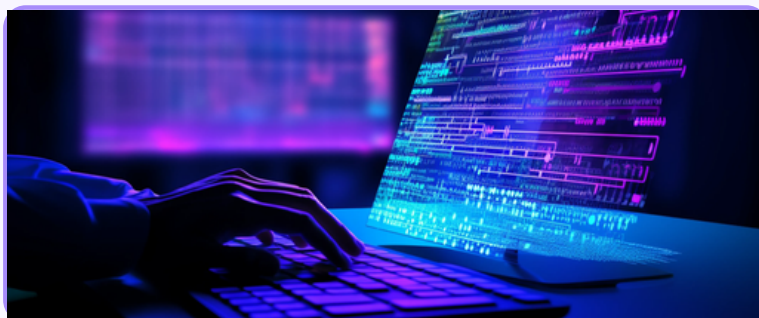


A WEEKLY PERSONALITY DEVELOPMENT ACTIVITY - EXCLUSIVELY FOR BCA STUDENTS WHICH FOCUSES ON THEIR TECHNICAL AND COMMUNICATION SKILLS



GVPIHLR – School of Sciences campus, Rushikonda

LEARN SMARTER.
BUILD FASTER.
LEAD FURTHER.



►► Academic Courses Offered ►►

CORE COURSES

- MATHEMATICS ,LOGIC AND COMPUTING
- FUNDAMENTALS OF STATISTICS
- PROBLEM SOLVING USING C
- DATA STRUCTURES USING C
- PORIBABILITY AND INFERENTIAL STATISTICS
- COMPUTER ORGANIZATION
- INTRODUCTION TO ARTIFICIAL INTELLIGENCE
- OOPS THROUGH JAVA
- DISCRETE MATHEMATICAL STRUCTURES

CORE COURSES

- FINANCIAL ACCOUNTING
- SPREADSHEET APPLICATIONS USING MICROSOFT EXCEL
- PYTHON PROGRAMMING
- OPERATING SYSTEMS
- SOFTWARE ENGINEERING ESSENTIALS
- DATABASE MANAGEMENT SYSTEMS
- WEB SCRIPTING TECHNOLOGIES
- ARTIFICIAL INTELLIGENCE FOR PROBLEM SOLVING
- COMPUTER NETWORKS

ELECTIVE BASKET-A

- UI/UX DESIGN
- COMPUTER GRAPHICS
- IMAGE PROCESSING
- MOBILE COMPUTING
- DATA SCIENCE ESSENTIALS USING R PROGRAMMING
- DATA VISUALIZATION USING TABLEU
- INFORMATION SECURITY
- FULL STACK WEB APPLICATION DEVELOPMENT

ELECTIVE BASKET-B

- UI/UX DESIGN
- COMPUTER GRAPHICS
- IMAGE PROCESSING
- MOBILE COMPUTING
- DATA SCIENCE ESSENTIALS USING R PROGRAMMING
- DATA VISUALIZATION USING TABLEU
- INFORMATION SECURITY
- FULL STACK WEB APPLICATION DEVELOPMENT

► CAREER PATHWAYS ►



SOFTWARE DEVELOPMENT

Software Developer
Full Stack Developer
Web Developer



DATA SCIENCE & AI

Data Analyst
Data Scientist
AI Developer



CLOUD & SYSTEMS

System Administrator
Cloud Engineer
Network Engineer



CYBERSECURITY

Cybersecurity
Analyst Ethical
Hacker



ACADEMIA & ENTREPRENEURSHIP

Academic Professional
IT Start-up Founder



GVP PAST RECRUITERS

TCS

INFOSYS

ACCENTURE

DELOITTE

WIPRO

COGNIZANT

TECH
MAHINDRA

LTI
MINDTREE

DXC
Technology

SUTHERLAND



ELIGIBILITY

10+2 (MPC / BiPC / MEC / CEC / Any Stream) from a recognised board.

BCA (Hons) *TRANSFORMING ASPIRATIONS INTO ACHIEVEMENTS – BE FUTURE READY. BE BCA.*

