

GVP - Estd.1988

GVPIHLR - Estd.2026



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)

M.Sc. C.S.&A.I.

Master of Science in Computer Science & Artificial Intelligence

A Two Years Postgraduate Program



VISION

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.



Excellence
in Education



Holistic
Learning



Innovation
Driven



Better Society
Building

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, 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 society among the youth.
- ▶ Through its integrated academic ecosystem, GVPIHLR enables learners to 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.



SCHOOLS UNDER GVPIHLR



School of Arts and Humanities



School of Commerce and Management



School of Chemical, Mechanical and Civil Engineering



School of Computer Science and Engineering



School of Electrical and Electronics Engineering



School of Sciences

UG & PG PROGRAMS UNDER SCHOOL OF SCIENCES

UNDERGRADUATE HONORS PROGRAMS

AICTE – FOUR YEAR UNDERGRADUATE HONORS PROGRAM

- BCA (Hons) – Bachelor of Computer Applications
- 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



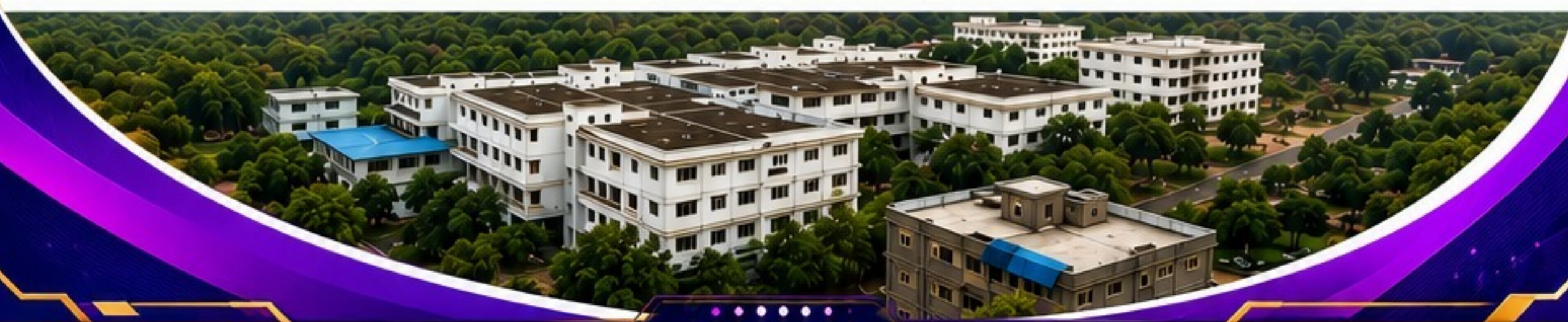
POSTGRADUATE PROGRAMS

AICTE – TWO YEAR POSTGRADUATE PROGRAM

- MCA – Master of Computer Applications

TWO YEAR POSTGRADUATE PROGRAM

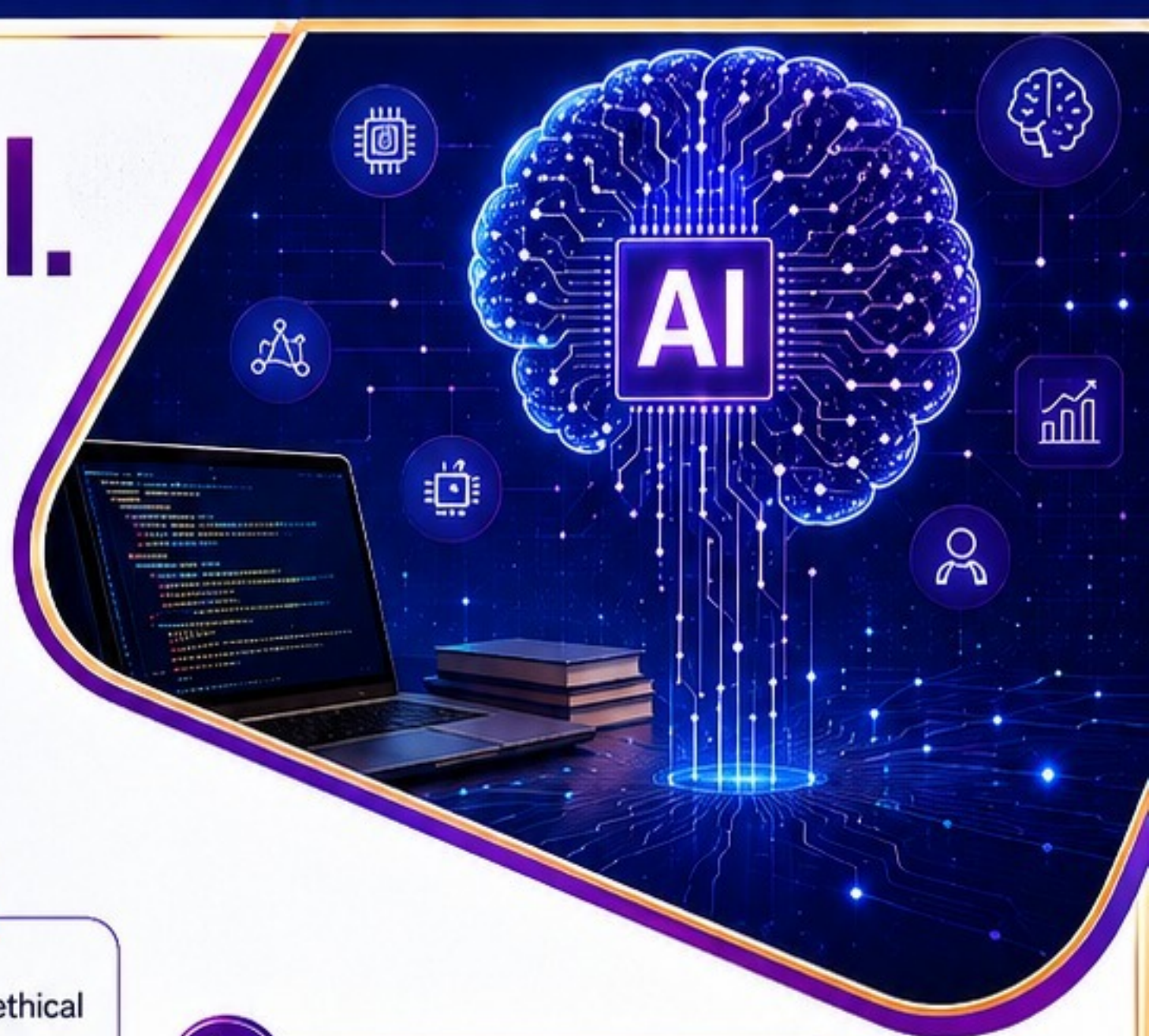
- M.Sc. (CS & AI) – Master of Science in Computer Science and Artificial Intelligence
- M.Sc. (OC-DD) – Master of Science in Organic Chemistry, Drug Design and Synthesis



M.Sc. C.S. & A.I.

Master of Science in Computer Science & Artificial Intelligence

A Two Years Postgraduate Program



VISION

To be a globally recognized program in Computer Science and Artificial Intelligence, advancing excellence in education, research, and innovation.



MISSION

To nurture innovative, ethical and socially responsible professionals who drive advancements in technology and address complex global challenges.



PROGRAMME OBJECTIVES



Acquire advanced knowledge in Computer Science, Artificial Intelligence, Mathematics and Computational Techniques to address complex real-world problems.



Design and develop innovative AI-driven solutions using Machine Learning, Deep Learning, Natural Language Processing, Computer Vision and emerging technologies.



Strengthen research and analytical skills to identify challenges, conduct experiments, interpret results and contribute to advancements in Computer Science and Artificial Intelligence.



Enhance professional competencies in programming, software development, data analytics, system design and intelligent applications.



ABOUT M.Sc. C.S. & A.I.

The Master of Science in Computer Science and Artificial Intelligence (M.Sc. C.S. & AI) program at GVPIHLR is a premier postgraduate course designed to shape proficient software professionals.

- The M.Sc. (Computer Science) program, which was started in 1998 under GVPCDPGC, has evolved to M.Sc. (CS & AI) at GVPIHLR. The intake of the M.Sc. (CS & AI) program is 40.
- Under the guidance of highly driven, well-trained and experienced faculty, the department goes beyond the regular syllabus by actively organizing special courses, hands-on workshops and practical training sessions to teach modern technologies.
- The curriculum is designed to meet high standards and competitive demands of the global IT industry. This is supported by modern computer labs equipped with high-speed internet and the latest software, giving students the practical skills needed to succeed in industry.

WHY CHOOSE M.Sc. C.S. & A.I. AT GVPIHLR?



Focused on practical learning and real skills



Industry exposure through live projects



Strong academic foundation



Personalized mentoring and guidance



Modern infrastructure and smart classrooms



Career-focused training and placement support



AI-powered learning



Empowering Minds.
Building Intelligence.
Shaping the Future.





DISTINGUISHING FEATURES

- ✓ Strong foundation in Computer Science and AI
- ✓ Learning in AI, ML, Data Science and more
- ✓ Hands-on projects and practical exposure
- ✓ Expertise in new technologies
- ✓ Focus on problem solving and logical thinking



LEARNING BEYOND THE CLASSROOM



Laboratory Training



Projects & Internships



Career Development Programmes (CTV)



Industry Workshops



Guest Lectures



Technical Seminars



Hackathons & Coding Challenges



Certifications



Communication & Soft-Skills Training



Sports, Games and Cultural Activities



PROGRAM ELECTIVES

- Big Data Analytics
- Scientific Inquiry and Research Practice
- Cloud Infrastructure and Service / Reinforcement Learning



CAREER PATHWAYS



AI/ML Engineer



Data Scientist



Data Analyst



Generative AI Engineer



Software Developer



Computer Vision Engineer



AI Solutions Architect



Research Associate



AI Product Specialist



Teaching / Academia



PROGRAM STRUCTURE

SEMESTER I

- Advanced Data Structures and Algorithms
- Mathematical Foundations for ML
- Artificial Intelligence for Problem Solving
- Probabilistic Learning
- Data Science Essentials
- Object Oriented Analysis and Design with UML
- Python Programming
- Advanced Data Structures and Algorithms Practical



SEMESTER II

- Advanced Database Management Systems
- Computer Networks
- Advanced Operating Systems
- Principles of Machine Learning
- Neural Networks and Deep Learning
- Formal Languages and Automata Theory
- Advanced Database Management Systems Practical
- Advanced Operating Systems Practical



SEMESTER III

- Neural Networks
- Web Technologies
- Generative AI and Large Language Models
- Natural Language Processing
- Program Elective
- Open Elective
- Web Technologies Practical
- Generative AI and Large Language Models Practical
- Internship



SEMESTER IV

- Paper Writing and Publications
- Research Project / Industry Project



AFTER M.Sc. (CS & AI)

- Ph.D. in Computer Science / Artificial Intelligence
- Research careers in AI and emerging computing technologies
- Academic and R&D positions in universities and research organizations



GVP PAST RECRUITERS

TCS | WIPRO | INFOSYS | ACCENTURE
LTIMINDTREE | DELOITTE | CAPGEMINI | COGNIZANT



ELIGIBILITY

B.Sc. (C.S.) and any Computer Science domain in graduation completed candidate.



Innovate. Learn. Transform.
The Future is Intelligent.

