BACHELOR OF SCIENCE (B. S. Hons.)

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

4 Years Programme

M.G. SCIENCE INSTITUTE
[AUTONOMOUS]

UNDERSTANDING AUTONOMY

- Autonomy is the prestigious status conferred by the UGC to reputable colleges with outstanding performance and a history of excellence. The Autonomy status grants institutions the authority to independently design and implement their academic programmes and curriculum.
- At M.G. Science, we take immense pride in being recognized as an autonomous institution conferred with the esteemed status by the UGC. This distinction signifies our unwavering commitment to academic excellence and innovation in education. As an autonomous college affiliated with Gujarat University, we have complete control over designing our own programmes and curricula. This ensures that our students receive a dynamic and industry-relevant education.

WHAT AUTONOMY MEANS FOR THE STUDENTS

- **CURRICULAR FREEDOM:** Autonomous colleges like M.G. Science Institute have the authority to craft their own programmes and curriculum. This means that we can craft our courses to meet the evolving needs of the industry, incorporate cutting-edge technology, and address societal demands.
- **DEGREE AFFILIATION:** While we have the autonomy to design our curriculum, it's important to note that the college continues to be affiliated with Gujarat University, and the degree is conferred by Gujarat University, ensuring that our qualifications maintain their credibility and recognition.
- **INDUSTRY-RELEVANT EDUCATION:** With the freedom to decide our curriculum, we prioritize staying abreast of industry trends, integrating state-of-the-art technology, and incorporating timely updates. This ensures that our courses remain relevant and aligned with the demands of the modern workforce.
- **FLEXIBILITY AND ADAPTABILITY:** Having an "Autonomous" status, we have the flexibility to update our courses as needed, ensuring that our students are equipped with the most up-to-date knowledge and skills. This means that you will not be learning outdated concepts but rather staying ahead of the curve in your field of study.

BACHELOR OF SCIENCE(B.S. HONS.) ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

In a world characterized by unprecedented technological advancements, the bachelor of science program in Artificial Intelligence and Machine Learning (B.S. (Hons.) A.I. and M.L.) is crafted with a profound commitment to shaping future leaders and experts in the captivating realms of A.I. and M.L. Bachelor of Science (Hons.) in A.I. and M.L. involve incorporating a balance of foundational knowledge, theoretical concepts, practical skills, and real-world applications. This program serves as a gateway to the frontiers of intelligent systems, computational thinking, and data-driven decision-making.

PROGRAMME HIGHLIGHTS

- **CUTTING-EDGE CURRICULUM:** Our curriculum is carefully crafted to provide a balance of foundational knowledge and advanced concepts in A.I. and M.L., ensuring students are prepared to tackle real-world challenges.
- **HANDS-ON LEARNING:** From theoretical concepts to practical applications, students engage in hands-on learning experiences that bridge the gap between theory and practice.
- **MULTIDISCIPLINARY APPROACH:** Our program encourages interdisciplinary learning, allowing students to explore diverse areas and develop innovative solutions to complex problems.
- **CHOICE-BASED CREDIT SYSTEM:** Tailor your learning experience with our flexible credit system, which offers a variety of courses to choose from, including major courses, minor courses, and skill enhancement courses.
- **INDUSTRY COLLABORATION:** We foster strong ties with industry partners, providing students with opportunities for internships, projects, and mentorship from industry experts. Gain valuable real-world experience and network with professionals in the field.
- **RESEARCH OPPORTUNITIES:** Our program encourages and supports student-led research initiatives, allowing students to explore their interests, contribute to cutting-edge research, and make meaningful advancements in the field of A.I. and M.L.

PROGRAMME OUTCOMES

- Develop knowledge in the field of Artificial Intelligence and Machine Learning courses necessary to qualify for the B.S. (Hons.) A.I. and M.L. degree.
- Acquire a rich basket of skill enhancement courses and soft skill courses instilling self-confidence and moral values.
- Understand the concepts of core subjects and have the hands-on skills to demonstrate competency in the domain of A.I. and M.L.
- Students will develop an ability to perform effectively as leaders and perform excellently with a variety of teams in a multidisciplinary environment.
- Build young minds with a research attitude concerning the needs of society in the field of Artificial Intelligence and Machine Learning.
- Apply the concepts of computers and practices via emerging technologies and software development tools to solve pragmatic social concerns.
- Employ to adopt the modern platforms in terms of employability, and entrepreneurship and also to pursue for their higher studies.

CAREER PROSPECTS

Machine Learning Engineer | AI Research Scientists | AI Consultant | AI Product Manager | AI Product Designer | AI Educator/Trainer | AI Operations Specialists (AIOPs) | Data Scientists | Business Analysts | Business Intelligence Analysts | Startup Founder | AI Ethics and Policy Advisor

JOIN US TODAY

Are you ready to unlock your potential in Artificial Intelligence and Machine Learning? Join us on a journey of innovation, exploration, and endless possibilities. Enroll in our B.S. (Hons.) A.I. and M.L. program today and embark on a rewarding career path in the world of technology.

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