



Graduate Attributes

Institute defines the philosophy underpinning its academic programmes and student life experience on campus through the Graduate Attributes (GA), that describe the knowledge, competencies, values and skills students imbibe for holistic development and contribution to society. These attributes encompass characteristics that are transferable beyond the domain of study into the national and international realm fostered through curricular, co-curricular and extra-curricular engagements.

GA 1: Intellectual Competencies

Graduates of institute have a comprehensive and incisive understanding of their domain of study as well as the capability for cross-disciplinary learning. They have the ability to apply the knowledge acquired through the curriculum as well as self-directed learning to a broad spectrum ranging from analytical thinking to synthesise new knowledge through research. Forming independent individual opinions regarding academic cores and socially relevant issues

GA 2: Professional Ethics

Graduates of institute develop ethical and professional behaviour, which will be demonstrated in their chosen careers and constructive citizenship roles. They imbibe intellectual integrity and ethics in scholarly engagement and develop a spirit of inclusiveness through interactions with people of special needs and diversity.

GA3: Leadership Qualities

Graduates of institute inculcate leadership qualities & attitudes, and team behaviour along democratic lines through curricular, co-curricular and extra-curricular activities. They develop managerial and entrepreneurial skills to ideate and create new opportunities along with career readiness and capacity to take up various competitive exams.

GA 4: Holistic Skill Development

Graduates of institute develop critical thinking, problem-solving, effective communication, emotional and social skills they develop digital competency to live, learn and serve in society.

GA 5: Cross-Cultural Competencies

Graduates of institute imbibe cross-cultural competencies through engaging with diverse linguistic, ethnic and religious communities providing scope to understand, accept and appreciate individuals.

GA 6: Service-Oriented Focus

Graduates of institute have sensitivity to social concerns and a conviction toward social justice through a commitment to active social engagement. They are endowed with a strong sense of environmental awareness through the curriculum and campus eco-system.

GA 7: Value-Based Spiritual Development

Graduates of institute are rooted in the principles of ethical responsibility and integrity permeated with moral values leading to the building of character. They develop virtues such as love, courage, unity, brotherhood, industry and uprightness.

Programme Outcomes

Programme Outcomes (POs) of institute define the minimum level that students are expected to do, achieve and/or accomplish in order to graduate from a particular programme. These Outcomes are a framework to assess the nature of learning activity experienced within the programme.

POs for Under Graduate Programmes

UG Programmes are designed to have the following outcomes: On successful completion of the Undergraduate programme, the students will be able to

PO No	PO	Description of PO	Mapped with GA#
PO1	Language Skills	Demonstrate oral and written skills to effectively communicate in English and Languages of their choice Apply reading and listening skills to facilitate access to knowledge resources and understanding	GA1, GA4, GA5
PO2	Domain Knowledge	Acquire knowledge of basic concepts, theories and processes through study of core courses in respective programmes Apply and Analyze domain specific knowledge to emerging areas of academia and industry	GA1, GA3, GA4, GA5
PO3	Interdisciplinary knowledge	Identify and determine relationships across disciplines Acquire and apply interdisciplinary knowledge for holistic academic development	GA1, GA4
PO4	Digital Skills	Acquire computer skills and their application relevant to classroom and self-directed web-based learning Familiarize with and use domain-related software resources, computational skills and digital tools for data analysis, visualization and interpretation Ethically apply digital skills to creatively communicate a wide range of ideas and issues related to academic experiences	GA1, GA2, GA3, GA4, GA6
PO5	Analytical skills	Develop the ability to think critically and relate learning to academic, professional and real-life problem solving Apply empirical knowledge and skills to identify and collect quantitative and qualitative data to analyze and formulate evidence-based suggestions and solutions	GA1, GA2, GA4, GA6
PO6	Academic writing & Presentation skills	Formulate and document results obtained in laboratory, project work, field work and internships Effectively communicate through engaging presentations using methodologies appropriate to the discipline	GA1, GA4, GA5
PO7	Innovation and Creativity	Demonstrate transferable capabilities and intrapreneurial skills that are relevant to the industry and other employment opportunities Develop entrepreneurial skills and generate intellectual property	GA1, GA2, GA3
PO8	Social Engagement and Responsibility	Develop intensive and extensive knowledge and expertise in their respective domains Evaluate and create/construct domain specific knowledge in areas of learning, research and industry Formulate and extrapolate the knowledge gained to apply in real – life situations and competitive examinations Develop an aptitude for self-directed learning for excellence in their chosen area within the domain of study. Demonstrate the ability to link classroom learning with social concerns through service learning and outreach programmes. Enhance positive personality traits to adapt to changing circumstances and demonstrate leadership qualities as an individual and a member of cross-cultural and multi-disciplinary teams. Appreciate environmental consciousness and sustainability Draw valuable insights from one’s own spiritual tradition and that of others for peaceful coexistence and general wellbeing	GA1, GA2, GA5, GA6, GA7



POs for Postgraduate Programmes

Upon completion of a Postgraduate programme, the student will be able to

PO No	PO	Description of PO	Mapped with GA#
PO1	Domain Knowledge	Acquire knowledge of basic concepts, theories and processes through study of core courses in respective programmes Apply and Analyse domain specific knowledge to emerging areas of academia and industry	GA1, GA3, GA4, GA5
PO2	Applicative knowledge and Lateral Thinking	Translate theoretical understanding to experimental knowledge and solve complex problems. Thinking Apply advanced knowledge and approaches to solve concrete and abstract problems in domain-related and multi-disciplinary issues.	GA1, GA3, GA4
PO3	Innovation and Research	Develop aptitude for innovation and entrepreneurship Identify contemporary research problems, analyse data and propose solutions	GA1, GA4, GA5, GA6
PO4	Scientific Communication skills	Document, prepare and present scientific work as reports and research articles in academic forums Critically assess, review and present theories, principles and concepts	GA1, GA2, GA4, GA6
PO5	Digital skills	Use of domain-related advanced software resources, computational skills and digital tools for data analysis, visualization and interpretation .Ethically apply digital skills to creatively communicate a wide range of ideas and issues related to academic experiences	GA1, GA2, GA3, GA4
PO6	Ethical Practices	Apply domain specific ethical principles and practices in academic, professional and social engagements	GA2, GA6, GA7
PO7	Career readiness and higher education	Choose from diverse career options available in local and national realms. Carry out further research or pursue higher education.	GA1, GA2, GA5



POs for Research Programmes

Upon completion of the programme, research students should have shown evidence of being able to

PO No	PO	Description of PO
PO1	Research Knowledge and Competencies	Acquire domain-specific knowledge in research. Demonstrate a thorough knowledge of the literature and other resources and a substantial understanding of methods and techniques applicable to research.
PO2	Applicative knowledge and Lateral Thinking	Demonstrate effective strategies and methodologies applicable to specific research domains. Translate theoretical understanding to experimental knowledge and solve complex research problems. Demonstrate the ability to critically evaluate resources, apply multiple perspectives and evolve research findings.
PO3	Innovation and Research	Identify contemporary research problems, develop research statements, analyse and propose solutions. Develop a propensity for innovative methodologies for research. Demonstrate ability for translational research and patenting.
PO4	Scientific Communication	Document, prepare, present, and publish scientific work as reports and research articles. Critically assess, review and present theories, principles, and concepts.
PO5	Research Ethics	Apply ethical principles, practice scientific temper and respect intellectual property rights in research. Ethically apply digital skills to creatively communicate a wide range of ideas and issues related to academic experiences. Develop original ideas and arguments with detailed documentation.
PO6	Social Relevance	Be sensitive to contemporary social issues viable for research. Work collaboratively with all stakeholders to translate research knowledge to influence and benefit society.

