



Key Indicator – 1.1 Curriculum Design and Development
(50)

1.1.1 Curricula developed and implemented have relevance to the local, national, regional and global developmental needs, which is reflected in the Programme outcomes (POs), and Course Outcomes(COs) of the Programmes offered by the University
(20)

Criterion 1 – Curricular Aspects
(150)



KEY INDICATOR – 1.1.1

Curricula developed and implemented have relevance to the local, national, regional and global developmental needs, which is reflected in the Programme outcomes (POs), and Course Outcomes (COs) of the Programmes offered by the University

PSO,PSO,PO's

BHM - Bachelor of Hotel Management

Program Educational Objectives (PEO's)

The Program Educational Objective of the (BHM) 4 Year Degree Programme in Hotel Management is to:

- PEO-1:** Provide both Indian and international students with a High Quality Learning Input, ensuring a balance of academic involvements and training in various hotels and service establishments.
- PEO-2:** Develop skills needed in managing activity and nature of services in Hotel Operations. In addition, a wide range of related subjects such as marketing, finance, business, product development and human resource management are also covered therein.
- PEO-3:** Produce graduates that are capable to solve issues related to Hotel Operations innovatively, creatively and ethically through sustainable approach in a multi-cultural environment.
- PEO-4:** Produce knowledgeable and technically competent professionals in Hotel Operations in-line with industry requirement who are effective in communication and demonstrate good leadership quality in an organization.

Program Specific Outcomes (PSO's)

The Expected Outcome of the BHM Programme is foreseen that on completion of this program the students will be able to:

- PSO-1: Core Competency & Entrepreneurial Skills:** Demonstrate core Technical, Conceptual and Analytical Hospitality Skills.
- PSO-2: Hospitality Knowledge, Skills & Attitude:** Apply the knowledge and skills gained through experiential learning, Industry Immersion Courses and International Linkages in the live hospitality Environment.
- PSO-3: Problem Solving & Strategic Skills:** Demonstrate strategic Implementation of concepts and theories to Sustain & Grow in the challenging field of Hospitality & Tourism.
- PSO-4: Managerial Skills:** Implement and Undergo critical analysis of management styles and strategic thinking required to succeed in the hotel management field.

Program Outcome (PO's)

- PO-1: Knowledge & Expertise of Hotel Business:** Acquire, review, analyze and apply knowledge & skills to hospitality and other related industry.
- PO-2: Research:** Acquire & Apply Research techniques based on industry Requirements.
- PO-3: Information & Digital Literacy:** Understand, decode and apply the information in a right manner in the field of Hospitality.
- PO-4: Problem Solving:** Identify, formulate and provide creative, innovative and effective solution to challenges faced in Hotel industry.
- PO-5: Communication & Presentation Skills:** Communicate effectively in both written and spoken form with Hotel professionals, allied industry professionals and community.
- PO-6: Behavioral Skills, Teamwork and Leadership:** Realize and demonstrate effective leadership responsibility.
- PO-7: Globalization:** Assess the forces of globalization and its impact on the hospitality industry.
- PO-8: Ethical, Social and professional understanding:** Apply ethical principles and commit to professional ethics, food safety, environmental responsibilities and norms of the Hospitality industry.
- PO-9: Employability, Entrepreneurship:** Self-motivate and enhance entrepreneurship skills for career advancement and development
- PO-10: Lifelong Learning:** Recognize the need for and to engage in lifelong learning and professional development.
- PO-11: Organizational Behavior:** Demonstrate how the organizational behavior and organizational practices can aid in improving the performances and wellbeing of people at work.
- PO-12: Finance & Marketing:** Conduct investigations and apply effective Finance & marketing management practices as per Indian conditions.

B.Arch (Bachelors of Architecture)

Program Educational Objectives (PEO's)

The Program Educational Objective of the (B.Arch) 5 Year Degree Programme in Architecture is to:

PEO-1: To nurture critical, creative and independent thinking professionals to work ethically in collaborative environments

PEO-2: To prepare leaders in architectural practice, research in the built environment and allied fields

PEO-3: To create the learning with both Indian (traditional knowledge system) and global context/standards.

PEO-4: To create a rigorous intellectual environment for analysis and production of holistic/versatile solutions that are respectful of the existing heritage, context and are sustainable for communities.

Program Specific Outcomes (PSO's)

The Expected Outcome of the B.Arch Programme is foreseen that on completion of this program the students will be able to:

PSO-1: Demonstrate design thinking through technical, theoretical, conceptual and analytical skills of architecture for enriching the lives of communities

PSO-2: Apply the knowledge and skills gained through fundamental/foundation of hands on learning, critical thinking, heritage, sustainability and arts in the built environment.

PSO-3: Implement the understanding gained through experiential learning, industry connect national and international collaborations in the field of architecture.

PSO-4: Show the ability to evaluate, adapt and achieve goals, acknowledging the changing trends and technology in the built environment.

Program Outcome (PO's)

PO-1: Demonstrate a high degree of critical thinking, technical competence and skills related to the built environment (knowledge and skill)

PO-2: Exhibit knowledge of emerging tools and techniques in the field of architecture (tools and technology)

PO-3: Illustrate understanding of the social, cultural, political and ecological factors affecting the built environment (context)

PO-4: Examine and analyse the built environment through research and critical thinking (critical thinking)

PO-5: Show the ability to represent the ideas/concepts using appropriate media and skill sets. (communication)

PO-6: Exhibit high degree of ethical and professional standards. (ethical and professional understanding)

PO-7: Demonstrate the ability to work in a collaborative environment. (collaborative engagement)

PO-8: Understand the importance and impact of proposed solutions on environment for a sustainable development (environment and sustainability)

PO-9: Exhibit resilient leadership and the ability to evaluate situations to achieve goals (leadership and management)



BFA (Bachelors of Fine Arts)

Program Educational Objectives (PEO's)

The Program Educational Objective of the (BFA) 3 Year Degree Programme Fine Arts is to:

- PEO-1:** To nurture critical, creative and independent thinking professionals to work ethically in collaborative environments
- PEO-2:** To prepare leaders in Art practice, research in the creative and allied fields.
- PEO-3:** To create the learning with both Indian (traditional art practices) and global context/standards.
- PEO-4:** To create a rigorous intellectual environment for analysis and production of holistic/versatile solutions that are respectful of the existing heritage, context and are sustainable for communities.

Program Specific Outcomes (PSO's)

The Expected Outcome of the BFA Programme is foreseen that on completion of this program the student will be able to:

- PSO-1:** Demonstrate a comprehensive understanding of the history of art and aesthetics theoretically.
- PSO-2:** To be able to critically evaluate the works of old masters as well as contemporary artist.
- PSO-3:** Implement the understanding gained through experiential learning, industry connect national and international collaborations in the field of Fine Arts.
- PSO-4:** To be able to create their own works of art using a wide range of methods and materials.
- PSO-5:** To be able to teach fine arts in an innovative and contemporary fashion at school and university level.
- PSO-6:** To become an applied arts entrepreneur.
- PSO-7:** To be able to execute wide variety of art projects independently and to work as practicing artist.

Program Outcome (PO's)

- PO-1: Continuous Learning:** To engage in self-reflection and lifelong-learning through the arts, while keeping social awareness intact. This involves developing oneself into lifelong learner and consistently updating with current knowledge, skills and technologies.
- PO-2: Knowledge and skills:** a) To be able to demonstrate perceptual acuity (perceptual "sharpness," to see/understand things in a way others do not), conceptual and contextual understanding, and technical facility at a professional entry level in their chosen fields. b) To acquire all the necessary knowledge and skills needed to make one's artistic performance and practice credible.
- PO-3: Experimentation:** a) To experiment with the medium, form, structure, colour, tone and texture, methods, and materials of the particular visual and performing art. b) To enhance aesthetic sensibility in everyday life.
- PO-4: Interpretative Skills:** a) To study and analyze the textual and performing traditions and practices as well as to critically and creatively interpret and enhance appreciation of beauty and utility. b) To apply knowledge of historical narratives, contemporary issues, and processes and directions of their fields, to produce interpretations and artifacts.
- PO-5: Social Awareness and Responsibility:** a) To be aware of the diversity, complexity, and contestations of the past and present socio-culture milieu of the country during the process of art-making. b) To build up the capacity to take up social and civic responsibilities relating to the environment and society.
- PO-6: Tools and Technology:** To develop and produce relevant projects using various media and technologies both traditional and contemporary appropriate to the respective artistic fields. This involves skilled usage of modern tools and techniques to effectively communicate with the target audience.



- PO-7: Communication Skills:** Exhibit high levels of verbal and non-verbal forms of contemporary communication skills along with Creative skill of creating new narratives. This also involves to be able to identify and apply the elements and principles of visual art when visually communicating information and ideas.
- PO-8: Introspection:** To constantly introspect and assess oneself in the never-ending artistic journey.
- PO-9: Leadership and Management:** Display Team spirit and Inculcate Leadership Traits to contribute individually as well as in a team or group of creative professionals.
- PO-10: Critical thinking and Research Related Skills:** To be able to Identify, formulate, research, and analyse the given problems and reach logical and innovative solutions and conclusions. This also involves describing theoretical framework of their respective artistic field, and contemporary work being done in that field.
- PO-11: Problem solving:** To be able to solve visual/aural, conceptual, and technical problems through independently and collaboratively- generated analysis and evaluation based on the process of self-directed trial, error, and refinement



MASTERS IN ARCHITECTURE – BUILT HERITAGE

Program Educational Objectives (PEO's)

The Programme Educational Objective of M. Arch built heritage is to:

- PEO-1:** To produce conservation professionals who can serve as change makers on-ground and address heritage in a multidisciplinary perspective.
- PEO-2:** To nurture professionals who can use critical thinking and pursue research with respect to the what, why and how of built heritage and find creative sustainable solutions relating to issues around built heritage.
- PEO-3:** To provide academic and industry input that helps in responding to social, economic, political and cultural context that leads to responsible, heritage centric development.
- PEO-4:** To develop a more inclusive and reflective teaching approach towards built heritage considering the role of all stakeholders.

Program Specific Outcomes (PSO's)

The Expected Outcome of the BH Programme is foreseen that on completion of this Programme the students will be able to:

- PSO-1:** Create a critical discourse on the what, why and how of built heritage by developing guidelines, policy (decision making) and theory building (as part of government and non- government agencies and individuals)
- PSO-2:** Implement knowledge about heritage and develop solutions in projects that include documentation and analysis, research, community outreach, interpretation and interventions related to built heritage
- PSO-3:** Apply skills and understanding pertaining to the discipline of heritage in disseminating knowledge and building sensitivity towards interventions in the built environment
- PSO-4:** Creating platforms for awareness generation about built heritage through various forms of communication

Program Outcome (PO's)

- PO-1:** Apply technical knowledge and skills relating to built heritage conservation and allied disciplines (knowledge and skills)
- PO-2:** Create sustainable solutions to issues relating to built environment (problem solving)
- PO-3:** Examine and analyse concerns and opportunities relating to the built environment through critical thinking (critical thinking)
- PO-4:** Develop research in the field of heritage, focused on disciplinary as well as interdisciplinary methods and approaches (research)
- PO-5:** Plan initiatives that facilitate stakeholder engagement in the process of heritage led development (stakeholder engagement)
- PO-6:** Implement appropriate softwares and cutting edge technology in the field of heritage conservation (new technology)
- PO-7:** Generate awareness, educate and disseminate knowledge pertaining to heritage through appropriate communication channels (communication)
- PO-8:** Apply ethical principles and commit to professional ethics and responsibilities (ethical and professional understanding)
- PO-9:** Demonstrate motivation and positive attitude towards both individual and team work (motivation and attitude)

MASTERS IN ARCHITECTURE - INTERIOR ARCHITECTURE

Program Educational Objectives (PEO's)

The Programme Educational Objective of M. Arch Interior Architecture is to:

PEO-1: Develop the understanding of the principles of good design. All aspects of space-scale, proportion, light source, configuration as well as textures, materials, and colours are studied in relation to their effect on human spirit.

PEO-2: To promote an enhanced lifestyle and attain truly sustainable environment.

PEO-3: To develop critical thinking in order to further refine the understanding and improve analytical, research and design skills.

PEO-4: To explore the scope, opportunities, complexities and responsibilities of interior architecture and uncover the issues and methodology creating best practice response.

Program Specific Outcomes (PSO's)

The Expected Outcome of the IA Programme is foreseen that on completion of this Programme the students will be able to:

PSO-1: Position to make a contribution to the discipline's future and the society as a whole using their skills, knowledge & values

PSO-2: Demonstrate an enhanced understanding of sustainability, heritage and design appropriately

PSO-3: Transform into professionals who illustrate a high degree of critical thinking, technical competence, and skills across subjects related to the built environment

PSO-4: Address opportunities and issues pertaining to Interior Architecture and create best praxis.

Program Outcome (PO's)

PO-1: Annotate and associate with the architectural theory, history and principles in the creation of space. Develop and reflect on the factors associated with the natural and built environment. (*Knowledge & Expertise of Interior Architecture*)

PO-2: Evaluate, invent & determine the perception of investigation & critical analysis around social, physical and natural environments. (*Research*)

PO-3: Design more efficiently through understanding of material technology, human factors, process of construction. (*Spatial Planning*)

PO-4: Investigate and critically anticipate aspects of Interior architecture in conjunction with key influences both tangible & intangible on social and physical built environment. (*Critical Thinking*)

PO-5: Observe, represent and illustrate spatial ideas through various modes : digital, analog (*Communication & Presentation skills*)

PO-6: Exhibit peer respect and coordination, demonstrate rigor of architectural thinking together with sensory understanding of design. (*Behavioral skills, teamwork, leadership*)

PO-7: Develop demonstrate a profound knowledge which enables them to create sustainable strategies with regards to the biophysical world. (*Sustainability & heritage values*)

PO-8: Experiment with material, techniques and planning for interior site, structure, surfaces, services, skin and stuff in coordination with human behavior to create a 'Total space'. (*Material, Technique, Planning*)

PO-9: Optimize the operational and commercial performance of built assets with critically analysing and exploring the spatial potential linked to materiality and poetics of the existing. (*Appropriate use of built & unbuilt*)

PO-10: Demonstrate non-linear and iterative approach towards design thinking and process (*Process & Methods*)

PO-11: Assess the relationship between design, material, prototyping, manufacture, environment, context and the urban interiority (*Interdisciplinary learning*)



MASTERS IN ARCHITECTURE - URBAN DESIGN

Program Educational Objectives (PEO's)

The Program Educational Objective of the (M. Arch Urban Design) 2 Year Master's Degree Programme in Urban design is to:

- PEO-1:** To transform lives through urban design concepts and to develop new paradigms of research, practice and pedagogy
- PEO-2:** To create opportunities for the field of urban design, uncover the issues and create best practice responses engaging with the community within its context.
- PEO-3:** To communicate with authorities, government & international stakeholders to develop a sustainable future with appreciation of historical and theoretical dimensions of Urbanism
- PEO-4:** To create thought leaders with knowledge of urban design fundamentals & interdisciplinary fields who shall pave the way for other developing countries to follow suit.

Program Specific Outcomes (PSO's)

The Expected Outcome of the Masters in Urban Design Programme is that on completion of this Programme the students will be able to:

- PSO-1:** Demonstrate core learnings of sustainability, heritage and critical thinking in the field of urban design
- PSO-2:** Apply the knowledge and skills gained through the studios, theories, industry connect and global collaborations in urban design and allied fields.
- PSO-3:** Implement solutions and accomplish targets in collaborative environment that address the current as well as future developments.
- PSO-4:** Demonstrate acquired skills in the industry of concepts and theories attained for good urban design to explore the complexities and responsibilities of the field for creating best practice response.

Program Outcome (PO's)

- PO-1:** Effectively demonstrate tangible outcomes to the development of brown fields, green fields & other future developments, reflecting the learnings from Urban Design programme (Knowledge of Urban design)
- PO-2:** Illustrate research and critical thinking to formulate solutions for communities. (Research and critical thinking)
- PO-3:** Exhibit digital competence for urban development to design master plans (Digital tools & implementation)
- PO-4:** Communicate effectively by representing and communicating design solutions for urban design & other interdisciplinary fields. (Innovation & Presentation Skills)
- PO-5:** Exhibit compassionate leadership role in urban growth & development synergy with interdisciplinary professionals. (Teamwork and Leadership)
- PO-6:** Be able to work closely with the development authorities, government bodies and communities to address larger concerns. (collaboration)
- PO-7:** PO7 Be sensitive to the heritage, environmental parameters and provide sustainable solutions. (Social and responsibility)
- PO-8:** PO8 Exhibit professional ethics and standards in all circumstances (professional ethics and code of conduct)
- PO-9:** PO9 Demonstrate self-motivation and enhance entrepreneurship skills for career advancement and development (Employability & Entrepreneurship skills)
- PO-10:** PO10 Engage in lifelong learning through continuous professional development through conferences, online learning & other resources (Lifelong Learning)



MASTERS IN ARCHITECTURE - LANDSCAPE ARCHITECTURE

Program Educational Objectives (PEO's)

The Programme Educational Objective of the M Arch Landscape Architecture Programme is to:

- PEO-1: Teach land stewardship** Endeavours to establish the importance of the role of landscape architects as stewards of the land, that strive to achieve the highest quality in the built and natural landscapes.
- PEO-2: Encourage interdisciplinary learning** The programme holds strong connections to regional planning, urban design, heritage, environmental resilience and architecture, most of which are Master's degree courses being offered at our university, that allow cross disciplinary learning.
- PEO-3: Respond to the challenges of aesthetics, urbanization, and ecology** We will produce professionals capable of responding to the challenges found at the intersection of design, culture, urbanization, and Ecology, a need of the hour.
- PEO-4: Bridge the gap between the built form and the natural environment** We introduce a Masters in Landscape Architecture to Sushant School of Art and Architecture with the hope that it will bridge the gap between the scale of the built form (buildings) and the city on one hand and the natural environment on the other, to give our immediate environs some meaning and a tangible purpose, to encourage a symbiotic relationship between them all, and ultimately to encourage the nurturing, management and maintenance of our built and un-built infrastructure.
- PEO-5: Encourage ecological and social relevance and adaptability** The sequencing of studios and seminars has been designed to run as a series of threads across the four semesters based on the school's vision of Ecological and social relevance and adaptability through critical thinking.
- PEO-6: Provide relevant and cutting edge Professional Tools and Techniques**

Program Specific Outcomes (PSO's)

The Expected Outcome of the M Arch Landscape Architecture programme is foreseen that on completion of this Programme the students will be able to:

- PSO-1:** Contribute towards the critical and ethical discourse on the what, why and how of Landscape Architecture by immersion into both, the natural and social sciences equally.
- PSO-2:** Disseminate knowledge and build sensitivity towards interventions in the built and natural environments
- PSO-3:** Demonstrate core technical, conceptual and analytical skills in any context/ complexity or scale.
- PSO-4:** Question project intent, process and efficacy, by engagement beyond just design and delivery.

Program Outcome (PO's)

- PO-1:** Acquire, review, analyze and apply knowledge & skills to improving the profession. (Knowledge & Expertise)
- PO-2:** Work on projects that may include documentation and analysis, research, community outreach, interpretation and interventions related to Landscape Architecture. (Expanding our footprint)
- PO-3:** Deliver projects/ original research on Landscape Architecture at various scales from site-size to city-wide to regional-scale. (Research to implementation)
- PO-4:** Inspire sister-professionals to include landscape sensitivity, from the "thinking" stage of any project. (Interdisciplinary learning)
- PO-5:** Understand sites for their inherent values and carrying capacities. (Act locally, think globally)



PO-6: Recognize the need for and to engage in lifelong learning and professional development. (Lifelong learning)

PO-7: Identify, formulate and provide creative, innovative and effective solutions to challenges faced due to the forces of globalization, resource depletion and rampant development, both in the natural and built environments. (Application based learning)

PO-8: Apply equitable principles and commit to professional ethics, personal responsibilities and values of justice and equal opportunities (Ethical, Social and professional principles)

PO-9: Realize and demonstrate both, effective team and leadership responsibilities. (Soft Skills, teamwork and leadership)

PO-10: PO10 Self-motivate and enhance entrepreneurship skills for the advancement of the profession and personnel (Employability, entrepreneurship)

PO-11: Communicate effectively in graphic, written and spoken form with all stakeholders, clients, allied built environment professionals and the community. (Communication & presentation skills)



MPLAN

Program Educational Objectives (PEO's)

The Program Educational Objective of the Master of Planning in (Urban Planning) (M Plan (UP)) 2 Year degree programme is to:

- PEO-1: Ensure a balance of academic participations, practical explorations, and training in diverse fields of urban planning by providing high-quality input.
- PEO-2: Develop skills in service provision and governance in a variety of urban and regional planning fields. A broad range of related topics, such as urban sustainability, transportation modelling principles, and planning studio workshops, are also addressed.
- PEO-3: Produce professionals who are competent in using a sustainable strategy in a multi-cultural framework to tackle issues related to spatial planning, community development, regional planning, and management in a comprehensive way.
- PEO-4: Assess the value of information and knowledge gathered from a variety of sources and perspectives, and evaluate the use of these planning research and practices.
- PEO-5: Initiate a sense of balance between academic participations, ground reality check, and research skills within a field of urban planning from global perspectives.
- PEO-6: Recommending solutions to academic and professional communities within and outside of the field of planning using a variety of formats and tactics.

Program Specific Outcomes (PSO's)

The expected outcome of the Master of Planning in (Urban Planning) (M Plan (UP)) programme is foreseen that on completion of this program the students will be able to:

- PSO-1: Demonstrate skills among students that enable them to develop inclusive, safe, resilient and sustainable cities and human settlements.
- PSO-2: Apply the knowledge and skills gained through experiential learning, industry immersion courses and research in the field of planning.
- PSO-3: Plan and execute significant research relevant to the discipline and profession

Program Outcome (PO's)

- PO-1: **Technical knowledge and skill** Related to theories and methods in urban planning, rational thinking, critical analysis, digital and technical literacy
- PO-2: **Behavioural skills** Respect for human values, undertake lifelong learning and become responsible citizens
- PO-3: **Leadership and problem solving** Sensitivity towards diversity, collaborative working, recognition of self-worth and capabilities to develop solutions.
- PO-4: **Employability skills** Employability and entrepreneurship meeting needs of individual and society with respect to mobility, safety, and sustainability
- PO-5: **Research and innovation** Identify, formulate and provide creative and effective solution to challenges faced in urban planning discipline
- PO-6: **Communication and presentation skills** Work effectively with a range of stakeholders to inform, consult and engage them in urban planning processes
- PO-7: **Management and finance** Understanding of project management, development and financial viability. Its funding and applicability as per site context.
- PO-8: **Policy and governance** Laws and regulations at global, national, state and other local levels.
- PO-9: **Global awareness** Understanding of international issues, perspectives and opportunities within the field of urban planning
- PO-10: **Organizational ethics** Follow professional ethics while undertaking professional responsibilities.



BCA (Bachelors of Computer Applications)

Program Educational Objectives (PEO's)

The Program Educational Objective of the BCA (Bachelors of Computer Applications) is to :

- PEO-1:** Graduates will apply the knowledge of Computer Science Engineering to solve real world Engineering problems.
- PEO-2:** To prepare graduates with an outstanding knowledge of engineering, technology and its applied streams along with the management, humanities and various other interdisciplinary subjects for a successful career.
- PEO-3:** Enable graduates to acquire knowledge of relevant Technologies and multidisciplinary fields including broad social, ethical and environmental issues within which the engineering is practiced.
- PEO-4:** To create awareness and understanding within the graduates related to societal issues, apart from developing a sense of commitment to the community and profession with sincere.

Program Specific Outcomes (PSO's)

On completion of the BCA degree the graduates will be able to :

- PSO-1:** Apply standard Software Engineering practices and strategies in real-time software project development using open-source programming environment or commercial environment to deliver quality product for the organization success
- PSO-2:** Design and develop computer programs/computer-based systems in the areas related to algorithms, networking, web design, cloud computing, IoT and data analytics of varying complexity
- PSO-3:** Acquaint with the contemporary trends in industrial/research settings and thereby innovate novel solutions to existing problems

Program Outcome (PO's)

- PO-1: Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and engineering. Specialization to the solution of complex engineering problems.
- PO-2: Problem analysis:** Identify, formulate, research literature, and analyze engineering problems to arrive at substantiated conclusions using first principles of mathematics, natural, and engineering sciences.
- PO-3: Design/development of solutions:** Design solutions for complex engineering problems and design system components, processes to meet the specifications with consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO-4: Conduct investigations of complex problems:** Use research-based knowledge including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO-5: Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and modelling to complex engineering activities with an understanding of the limitations.
- PO-6: The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO-7: Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO-8: Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO-9: Individual and team work:** Function effectively as an individual, and as a member or leader in teams, and in multidisciplinary settings.



- PO-10: Communication:** Communicate effectively with the engineering community and with society at large. Be able to comprehend and write effective reports documentation. Make effective presentations, and give and receive clear instructions.
- PO-11: Project management and finance:** Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team. Manage projects in multidisciplinary environments.
- PO-12: Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



B. Tech – Civil Engineering

Program Educational Objectives (PEO's)

The Program Educational Objective of the B. tech (Civil Engineering) is to :

- PEO-1:** Actively engage in problem-solving using engineering principles to address the evolving needs of the society
- PEO-2:** Be able to succeed in positions in civil engineering practice or research, and in other fields, they choose to pursue and enrol in advanced studies
- PEO-3:** Make ethical decisions and demonstrate a commitment to service to the profession and society
- PEO-4:** Acquire a position or degree that values adaptability and innovation in their work. Pursue lifelong learning, and to be leaders, both in their chosen profession and in other activities

Program Specific Outcomes (PSO's)

On completion of the B.Tech (Civil Engineering) degree the graduates will be able to :

- PSO-1:** Capable of designing and building civil engineering-based systems in the context of environmental, economical, and societal requirements and serve the community as ethical and responsible professionals.
- PSO-2:** Able to use knowledge in various domains in Civil Engineering to identify research gaps and hence to provide solutions, innovations and engage in lifelong learning for professional growth.
- PSO-3:** Understand the impact of the professional civil engineering solutions in societal and environmental contexts, demonstrate the knowledge of the same and need for sustainable development.

Program Outcome (PO's)

- PO-1: Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and engineering. Specialization to the solution of complex engineering problems.
- PO-2: Problem analysis:** Identify, formulate, research literature, and analyze engineering problems to arrive at substantiated conclusions using first principles of mathematics, natural, and engineering sciences.
- PO-3: Design/development of solutions:** Design solutions for complex engineering problems and design system components, processes to meet the specifications with consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO-4: Conduct investigations of complex problems:** Use research-based knowledge including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO-5: Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and modelling to complex engineering activities with an understanding of the limitations.
- PO-6: The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO-7: Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO-8: Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO-9: Individual and team work:** Function effectively as an individual, and as a member or leader in teams, and in multidisciplinary settings.



- PO-10: Communication:** Communicate effectively with the engineering community and with society at large. Be able to comprehend and write effective reports documentation. Make effective presentations, and give and receive clear instructions.
- PO-11: Project management and finance:** Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team. Manage projects in multidisciplinary environments.
- PO-12: Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



B. Tech – Computer Science Engineering

Program Educational Objectives (PEO's)

The Program Educational Objective of the B. tech (Computer Science and Engineering) is to:

- PEO-1:** Graduates will apply the knowledge of Computer Science Engineering to solve real world Engineering problems.
- PEO-2:** To prepare graduates with an outstanding knowledge of engineering, technology and its applied streams along with the management, humanities and various other interdisciplinary subjects for a successful career.
- PEO-3:** Enable graduates to acquire knowledge of relevant Technologies and multidisciplinary fields including broad social, ethical and environmental issues within which the engineering is practiced.
- PEO-4:** To create awareness and understanding within the graduates related to societal issues, apart from developing a sense of commitment to the community and profession with sincere.

Program Specific Outcomes (PSO's)

On completion of the B.Tech (Computer Science and Engineering) degree the graduates will be

- PSO-1:** Apply standard Software Engineering practices and strategies in real-time software project development using open-source programming environment or commercial environment to deliver quality product for the organization success
- PSO-2:** Design and develop computer programs/computer-based systems in the areas related to algorithms, networking, web design, cloud computing, IoT and data analytics of varying complexity
- PSO-3:** Acquaint with the contemporary trends in industrial/research settings and thereby innovate novel solutions to existing problems

Program Outcome (PO's)

- PO-1: Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and engineering. Specialization to the solution of complex engineering problems.
- PO-2: Problem analysis:** Identify, formulate, research literature, and analyze engineering problems to arrive at substantiated conclusions using first principles of mathematics, natural, and engineering sciences.
- PO-3: Design/development of solutions:** Design solutions for complex engineering problems and design system components, processes to meet the specifications with consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO-4: Conduct investigations of complex problems:** Use research-based knowledge including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO-5: Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and modelling to complex engineering activities with an understanding of the limitations.
- PO-6: The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO-7: Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO-8: Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice
- PO-9: Individual and team work:** Function effectively as an individual, and as a member or leader in teams, and in multidisciplinary settings.



PO-10: Communication: Communicate effectively with the engineering community and with society at large. Be able to comprehend and write effective reports documentation. Make effective presentations, and give and receive clear instructions.

PO-11: Project management and finance: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team. Manage projects in multidisciplinary environments.

PO-12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



M.TECH IN CIVIL ENGINEERING

Program Educational Objectives (PEO's)

The Program Educational Objective of the M. Tech (CIVIL ENGINEERING) is to :

- PEO-1:** Actively engage in problem-solving using engineering principles to address the evolving needs of the society
- PEO-2:** Be able to succeed in positions in civil engineering practice or research, and in other fields, they choose to pursue and enrol in advanced studies
- PEO-3:** Make ethical decisions and demonstrate a commitment to service to the profession and society
- PEO-4:** Acquire a position or degree that values adaptability and innovation in their work. Pursue lifelong learning, and to be leaders, both in their chosen profession and in other activities

Program Specific Outcomes (PSO's)

On completion of the M. Tech (CIVIL ENGINEERING) the student will be able to :

- PSO-1:** An understanding of the theoretical foundations of computer science and engineering
- PSO-2:** An ability to adapt existing models, techniques, algorithms, data structures, etc. for efficiently solving problems.
- PSO-3:** An ability to apply machine learning tools to solve problems and design solutions

Program Outcome (PO's)

- PO-1:** An ability to undertake original research at the cutting edge of computer science & its related areas.
- PO-2:** An ability to function effectively individually or as a part of a team to accomplish a stated goal.
- PO-3:** An understanding of professional and ethical responsibility.
- PO-4:** An ability to communicate effectively with a wide range of audience.
- PO-5:** An ability to learn independently and engage in life-long learning.
- PO-6:** An understanding of the impact of IT related solutions in an economic, societal and environment context



M.Sc. Cardiovascular Technology (M.Sc. CVT)

Program Educational Objectives (PEO's)

The program educational objective of the M.Sc. Cardiovascular Technology (M.Sc.CVT), 2 years degree Programme.

- PEO-1:** M.Sc CVT program enables students to become a trained, qualified cardiovascular technician capable of working independently or in association with a higher setup.
- PEO-2:** After the completion of program, candidates become well known in techniques such as Electrocardiography, Echocardiography, Treadmill test/Stress test, Doppler ultrasonography and contrast Echo.
- PEO-3:** Graduate will integrate knowledge and skills of cardiovascular technology to provide healthcare solutions for the benefit of the society.
- PEO-4:** After the completion of program, graduate become well-prepared for work associated with assisting cardiac surgeons, cardio -thoracic surgeons and cardiologists in tertiary care hospitals and others.
- PEO-5:** Graduate will be supportive, informative and providing in necessary information regarding good cardiac health for society and community and continuously improving his/her knowledge and abilities.
- PEO-6:** Graduates will have a good leadership qualities and entrepreneur skills by working and communicating effectively in interdisciplinary environment, either independently or with a team.

Program Specific Outcomes (PSO's)

- PSO-1:** M.Sc. CVT program enables students to understand disease, acquire skills regarding diagnosis and its management of various cardiac diseases.
- PSO-2:** The CVT's primary role is to perform maneuvers, diagnostic test according to direction of a qualified physician and helping him/ her in the diagnosis and treatment of cardiovascular injury and disease.
- PSO-3:** After completion of the program students will be able to apply specialized occupational theory, skills and concepts to work independently as qualified cardiovascular technologist and becomes an integral member of the cardiac cath. lab and electrophysiology lab teams.

Program Outcome (PO's)

The expected outcome of M.Sc. Cardiovascular Technology 2 years degree Programme. are foreseen that on completion of this program the students will be able to

- PO-1:** PO1: Define and describe human cardiovascular and its related system in relation to various diseases. (human cardiovascular system)
- PO-2:** Distinguish and classify various cardiovascular disorder. (cardiovascular disorder)
- PO-3:** Apply knowledge of human cardiovascular and its related system in the diagnosis, cardiovascular disorder, related disorder its management& apply the knowledge and skills to assess and solve societal and legal issues related to cardiovascular care of the patients. (society and legal issues)
- PO-4:** Utilize modern tools and techniques in the field of cardiovascular technology for patient compliance. (modern tools and techniques)
- PO-5:** Tackle future challenges through lifelong learning and training process related to cardiac health. (lifelong learning and training)
- PO-6:** Evolve ethical practices and moral values in personal and professional endeavors.(moral values)
- PO-7:** Regular learning the use of modern tools and techniques for the efficient management of cardiovascular diseases and related disorder (management of cardiovascular diseases)



M.PH. (Master of Public Health)

Program Educational Objectives (PEO's)

The program educational objective of the M.PH. Master of Public Health, 2 years degree Programme.

- PEO-1:** To develop proficient communication skills to deal with patients/clients, caregivers, other health professionals and community globally as a Public health Professional.
- PEO-2:** To enable students understand the ethical principles and legal requirements of the profession and self-assess their knowledge and skills to refine existing skills and acquire new skills.
- PEO-3:** To develop qualities to work independently and to take a leadership role to coordinate, delegate and supervise care safely, manage risks and remain accountable.

Program Specific Outcomes (PSO's)

- PSO-1:** To implement the knowledge in the health planning, policy development.
- PSO-2:** To service the public by providing patient centric effective treatments research for improving their health and well-being of society.
- PSO-3:** To build and shape lifelong career of personal and practicing professional growth with ethical codes and self-esteem.

Program Outcome (PO's)

The expected outcome of M.Sc. Medical Laboratory Technology 2 years degree Programme. are foreseen that on completion of this program the students will be able to

- PO-1:** To develop postgraduates with high practical capabilities inculcated with strong hold on fundamental concepts of Public Health.
- PO-2:** Able to apply technical skills learned during the course to correlate interdisciplinary approach for solving complex problems in the survey and research.
- PO-3:** Inculcate professional and ethical values as an epidemiologist as well as knowledge and skills to successfully practice the profession of Public health Professional
- PO-4:** Able to communicate effectively, provide adequate technical information for patient counselling and effective participation in health care programs. *(Communication skills)*
- PO-5:** To impart knowledge of Healthcare Legislation in India: Legal aspects of healthcare. *(Knowledge and application)*
- PO-6:** To train students as per industrial expectations and entrepreneurship establishment. *(Entrepreneurship)*
- PO-7:** Understand the ongoing recent advancements in the field of the research for patient benefit and encouraged for novel innovations. *(Innovation and advancement)*
- PO-8:** To develop students with critical thinking skills by integrated technical knowledge obtained during course of study. *(Critical thinking skills)*
- PO-9:** Students understand effective management information system with its application Public health Leadership. *(Employability)*
- PO-10:** Understand various regulatory guidelines for NABL, NABH, JCI, NDA and IND application, clinical trials, FDA, DCGI and various laws governing in clinical research. *(Regulatory guidelines and trade)*



Master's of Optometry (M.Optom.)

Program Educational Objectives (PEO's)

The program educational objectives of the Master's of Optometry 2 year degree program in Optometry are:

- PEO-1:** Demonstrate the expertise in clinical and technical aspects of optometry, ensuring a balance of theoretical and practical knowledge acquired during the program.
- PEO-2:** Assess the visual needs of the patient as per his/her occupation, leisure activities and suggest him/her with a suitable corrective/preventive measures and management options
- PEO-3:** Summarize the clinical condition and capable of creating a suitable treatment plan with comprehensive approach
- PEO-4:** Validate the clinical outcomes at par the international standards and to standardize the practice of examination accordingly.

Program Specific Outcomes (PSO's)

The expected outcome of M.Optom Program are foreseen that on completion of this program the students will be able to:

- PSO-1:** Demonstrate the core Clinical and Technical skills of optometry required for a comprehensive eye examination
- PSO-2:** Eliminate preventable blindness and identify the patients who are at risk for a timely referral for further management.
- PSO-3:** capable of investigating and interpreting basic outcomes of the diagnostic reports aiding for co-management of condition
- PSO-4:** Review the prognosis and status of the patient based on the current and previous condition and device the treatment plan with realistic and achievable goals

Program Outcome (PO's)

- PO-1:** Demonstrate a command of knowledge in anatomy and physiology, with special emphasis on the eye and visual system.
- PO-2:** Identify and Describe the various pathological processes and causes that lead to dysfunction and disease, and the effect that these processes can have on the body and its major organ systems, with special emphasis on the eye and visual system
- PO-3:** Utilize existing knowledge about the structures and processes contributing to the development of refractive errors, binocular vision anomalies, and other optical and perceptual abnormalities of the visual system
- PO-4:** Understand and apply the optics of the eye and ophthalmic lens systems (including spectacles, contact lenses and low vision devices) that are used to correct and treat the development of refractive, oculomotor and other vision disorders
- PO-5:** Have knowledge of Mechanisms of action & relationship of the various classes of pharmaceutical agents, their interactions and their safe and effective use for the treatment of diseases and conditions affecting the eye and visual system. Should also have an understanding of nutritional influences on ocular systemic health.
- PO-6:** Be able to create a treatment Plan & Practice Vision therapy and other rehabilitative methods used for the management of common visual disorders. Should be able to integrate environmental or occupational conditions
- PO-7:** To develop clinical competence all the skills required for the diagnosis, management and/or treatment of common visual conditions
- PO-8:** Defend the ability to recommend and interpret frequently needed diagnostic procedures as indicated for the delivery of appropriate problem oriented care



Master's of Optometry (M.Optom.)

Program Educational Objectives (PEO's)

The program educational objectives of the Master's of Optometry 2 year degree program in Optometry are:

- PEO-1:** Demonstrate the expertise in clinical and technical aspects of optometry, ensuring a balance of theoretical and practical knowledge acquired during the program.
- PEO-2:** Assess the visual needs of the patient as per his/her occupation, leisure activities and suggest him/her with a suitable corrective/preventive measures and management options
- PEO-3:** Summarize the clinical condition and capable of creating a suitable treatment plan with comprehensive approach
- PEO-4:** Validate the clinical outcomes at par the international standards and to standardize the practice of examination accordingly.

Program Specific Outcomes (PSO's)

The expected outcome of M.Optom Program are foreseen that on completion of this program the students will be able to:

- PSO-1:** Demonstrate the core Clinical and Technical skills of optometry required for a comprehensive eye examination
- PSO-2:** Eliminate preventable blindness and identify the patients who are at risk for a timely referral for further management.
- PSO-3:** capable of investigating and interpreting basic outcomes of the diagnostic reports aiding for co-management of condition
- PSO-4:** Review the prognosis and status of the patient based on the current and previous condition and device the treatment plan with realistic and achievable goals

Program Outcome (PO's)

- PO-1:** Demonstrate a command of knowledge in anatomy and physiology, with special emphasis on the eye and visual system.
- PO-2:** Identify and Describe the various pathological processes and causes that lead to dysfunction and disease, and the effect that these processes can have on the body and its major organ systems, with special emphasis on the eye and visual system
- PO-3:** Utilize existing knowledge about the structures and processes contributing to the development of refractive errors, binocular vision anomalies, and other optical and perceptual abnormalities of the visual system
- PO-4:** Understand and apply the optics of the eye and ophthalmic lens systems (including spectacles, contact lenses and low vision devices) that are used to correct and treat the development of refractive, oculomotor and other vision disorders
- PO-5:** Have knowledge of Mechanisms of action & relationship of the various classes of pharmaceutical agents, their interactions and their safe and effective use for the treatment of diseases and conditions affecting the eye and visual system. Should also have an understanding of nutritional influences on ocular systemic health.
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- PO-7:** To develop clinical competence all the skills required for the diagnosis, management and/or treatment of common visual conditions
- PO-8:** Defend the ability to recommend and interpret frequently needed diagnostic procedures as indicated for the delivery of appropriate problem oriented care



B.Sc. Psychology

Program Educational Objectives (PEO's)

The program educational objective of the B.Sc Psychology 3 years & 4 Years degree Programme.

PEO-1: To facilitate learners to gain knowledge about psychology theories, personality theories research methods, psychometrics, and cognitive psychology, theories of personality, motivation and emotion.

PEO-2: To facilitate students to be responsible global citizens and contribute to the world in the form of community engagement and betterment.

PEO-3: To facilitate students' professional identity and practice as psychologists through fundamental knowledge of psychology, commitment to professional ethics, and by participation in life-long learning.

PEO-4: To Enable students to skillfully adapt to individual and cultural diversity.

Program Specific Outcomes (PSO's)

The expected outcome of B.Sc Psychology 3 years & 4 years degree Programme. are foreseen that on completion of this program the students will be able to

PSO-1: Application of learnt theory. Students will be able to harmonize the knowledge learnt and apply it to work and fields of research.

PSO-2: Behavioral skills, Team work. Through outreach & other activities students will be able to contribute towards the society in the form of community engagement and betterment while working with business or non-business organizations.

PSO-3: Problem solving, Managerial skills & professional Ethics. Students will be able to display and practice professional ethics and commitment .

PSO-4: Students will be able to appreciate the value of cultural diversity; and they will possess the skills necessary to utilize their sensitivities within their professional lives.

Program Outcome (PO's)

PO-1: Use the scientific method as a primary basis for engaging in critical thinking.(Development of Thinking)

PO-2: Review empirical studies of psychology, analyse, and synthesize their research findings and draw appropriate inferences. (Analytical & Research skills).

PO-3: Design, run, and analyse research studies and write reports using APA style. (Learning Technical aspects).

PO-4: Articulate controversial and ethical issues in psychology. (Insight of subject).

PO-5: Identify plausible psychosocial and biological principles that influence behaviour and cognition, given a particular context or situation. (Integration human dimensions).

PO-6: Articulate the developmental changes resulting from hereditary and environmental factors.(Bio-psycho-social).

PO-7: Compares and contrasts theoretical perspectives within psychology. (Critical analysis)

PO-8: Describe the impact of society and culture on human diversity. (Socio cultural effect)

PO-9: Examine and evaluate career and educational opportunities available with an undergraduate psychology degree. (Career analysis).

PO-10: Use appropriate computer technology to complete relevant assignments.(Technology Integration).

PO-11: Interact effectively and work productively with others. (Organizational & Interpersonal Behaviour).

PO-12: Understanding behaviour in relation to the rapidly changing global environment. (Understanding survival).

B.Sc. Cardiovascular Technology (B.Sc.CVT)

Program Educational Objectives (PEO's)

The program educational objectives of the B.Sc.CVT 4 year degree program are:

- PEO-1:** B.Sc CVT program enables students to become a trained, qualified cardiovascular technician capable of working independently or in association with a higher setup.
- PEO-2:** After the completion of program, candidates become well known in techniques such as Electrocardiography, Echocardiography, Treadmill test/Stress test, Doppler ultrasonography and contrast Echo.
- PEO-3:** Graduate will integrate knowledge and skills of cardiovascular technology to provide healthcare solutions for the benefit of the society.
- PEO-4:** After the completion of program, graduate become well-prepared for work associated with assisting cardiac surgeons, cardio -thoracic surgeons and cardiologists in tertiary care hospitals and others.
- PEO-5:** Graduate will be supportive, informative and providing in necessary information regarding good cardiac health for society and community and continuously improving his/ her knowledge and abilities.
- PEO-6:** Graduates will have a good leadership qualities and entrepreneur skills by working and communicating effectively in interdisciplinary environment, either independently or with a team.

Program Specific Outcomes (PSO's)

The expected outcome of B.Sc.CVT Program are foreseen that on completion of this program the students will be able to

- PSO-1:** B.Sc. CVT program enables students to understand disease, acquire skills regarding diagnosis and its management of various cardiac diseases.
- PSO-2:** The CVT's primary role is to perform maneuvers, diagnostic test according to direction of a qualified physician and helping him/ her in the diagnosis and treatment of cardiovascular injury and disease.
- PSO-3:** After completion of the program students will be able to apply specialized occupational theory, skills and concepts to work independently as qualified cardiovascular technologist and becomes an integral member of the cardiac cath. lab and electrophysiology lab teams.

Program Outcome (PO's)

- PO-1:** Define and describe human cardiovascular and its related system in relation to various diseases. (human cardiovascular system)
- PO-2:** Distinguish and classify various cardiovascular disorder (cardiovascular disorder)
- PO-3:** Apply knowledge of human cardiovascular and its related system in the diagnosis, cardiovascular disorder, related disorder its management & apply the knowledge and skills to assess and solve societal and legal issues related to cardiovascular care of the patients (society and legal issues)
- PO-4:** Utilize modern tools and techniques in the field of cardiovascular technology for patient compliance. (modern tools and techniques)
- PO-5:** Tackle future challenges through lifelong learning and training process related to cardiac health. (lifelong learning and training)
- PO-6:** Evolve ethical practices and moral values in personal and professional endeavors. (moral values)
- PO-7:** Regular learning the use of modern tools and techniques for the efficient management of cardiovascular diseases and related disorder (management of cardiovascular diseases)



B.Sc. IN MEDICAL RADIOLOGY AND IMAGING TECHNOLOGY (B.Sc.MRIT)

Program Educational Objectives (PEO's)

The Program Educational Objective of the (B.Sc.MRIT) 4 Year Degree Programme in MEDICAL RADIOLOGY AND IMAGING TECHNOLOGY is to:

- PEO-1:** Out Turn both Indian and International students with a high-quality input, ensuring a balance of academic involvements and training in various hospitals, diagnostic centers , nursing homes and service establishments
- PEO-2:** Develop skills needed in health care activity and nature of services in Radiology Department. In addition, a wide range of related subjects such as computed Tomography, X-rays, Radiation Physics, and Magnetic Resonance Imaging are also covered
- PEO-3:** Out turn graduates that are capable to solve issues related to Radiology and imaging department innovatively and also give the best imaging for diagnosis.
- PEO-4:** Produce knowledgeable and technically competent professionals in healthcare Radiology Department in-line with industry requirement who are effective in communication and demonstrate good leadership quality in an organization.

Program Specific Outcomes (PSO's)

- PSO-1:** Understanding the basic concepts, theories of applied sciences relevant to radiological imaging techniques.
- PSO-2:** Understanding the relationship between physics and radiology & modern imaging techniques.
- PSO-3:** Understanding provisions for radiation safety by various national & international regulatory bodies.
- PSO-4:** Understanding of health care organization in India & basic medical terminology.
- PSO-5:** Understanding & using all radiological and imaging equipment independently and perform the image processing in X-Ray, Fluoroscopy, Computed Tomography, Dual Energy X-Ray Absorptiometry (DEXA), Mammography, Digital Subtraction Angiography, Magnetic Resonance Imaging, Ultrasonography, Nuclear Medicine

Program Outcome (PO's)

The expected outcome of B.Sc. in MEDICAL RADIOLOGY AND IMAGING TECHNOLOGY (B.Sc. MRIT) 4 years degree Programme. are foreseen that on completion of this program the students will be able to

- PO-1:** An ability to investigate complex problems related to human healthcare system. (human healthcare system)
- PO-2:** An ability to function on multi-disciplinary teams. (multi-disciplinary teams)
- PO-3:** Apply technical skills, social behavior and social awareness. (social)
- PO-4:** An ability to design a system, component, or process to meet desired needs within Realistic constraints such as economic, environmental, social, ethical, health and Safety. (Safety)
- PO-5:** Understanding of professional and ethical responsibility. (Responsibility)
- PO-6:** Ability to communicate effectively, Inter personnel relation development and team Work. (Team Work)
- PO-7:** Recognition of the need for ability to engage in life-long learning. (life-long learning)
- PO-8:** Acquire Knowledge of contemporary issues related to the fields. (Knowledge)
- PO-9:** Provide competent health care professionals to modern health care delivery system. (Modern health care delivery system)
- PO-10:** Demonstrate the ability to articulate the right versus the wrong in the given context. (Articulate the right versus the wrong)
- PO-11:** Demonstrate the ability to take decisions as an entrepreneur. (Entrepreneur)
- PO-12:** Develop Ability to take entrepreneurial decisions. (Entrepreneurial Decisions)



B.Sc. Medical Lab Technology (B.Sc.MLT)

Program Educational Objectives (PEO's)

The Program Educational Objective of the B.Sc. Medical Lab Technology (B.Sc.MLT) is to :

- PEO-1:** To develop proficient communication skills to deal with patients/clients, caregivers, other health professionals and community globally as a Medical laboratory Technologist.
- PEO-2:** To enable students understand the ethical principles and legal requirements of the profession and self-assess their knowledge and skills to refine existing skills and acquire new skills as a Medical Laboratory Technologists
- PEO-3:** To enable students to demonstrate distinctive, meritorious and high-quality practice that leads to excellence and depicts commitment to competence, standards, ethical principles and values.
- PEO-4:** To develop qualities to work independently and to take a leadership role to coordinate, delegate and supervise care safely, manage risks and remain accountable.
- PEO-5:** To enable students to establish and promote innovative practices patterns by providing evidence-based care and testing new models which will translate results of research into practice.

Program Specific Outcomes (PSO's)

On completion of the B.Sc.MLT degree the graduates will be able to :

- PSO-1:** Demonstrate conceptual knowledge in hematology, coagulation, clinical chemistry, immunology, immunohematology, pathogenic microbiology and phlebotomy
- PSO-2:** Comply with safety regulations and universal precautions and also to monitor quality control within predetermined limits while working in Hospitals and labs as a laboratory technologist.
- PSO-3:** Apply continuing education requirements as a function of growth and maintenance of professional competence for the growth and support to national and international organizations as a technical officer.
- PSO-4:** Demonstrate professional conduct and interpersonal communication skills with patients, laboratory personnel, other health care professionals and the public

Program Outcome (PO's)

- PO-1:** Develop critical thinking by integrating knowledge of general anatomy, biochemical, serological, microbiological, and various pathophysiology to provide accurate diagnostic information to members of the health care team.
(Knowledge & Expertise of Medical Laboratory technology)
- PO-2:** Plan and implement clinical and scientific activities related to the profession of medical laboratory technology.
(Leadership and mentorship)
- PO-3:** Act efficiently as a leader in various inter-disciplinary and multi-disciplinary health care communities and solve complex problems arising during assessment of the patients.
(Problem solving)
- PO-4:** Apply the knowledge and skills to assess societal and legal issues related to diagnostic approach of the patients.
(Ethics and accountability)
- PO-5:** Write, interpret, and communicate effectively and scientifically.
(Communication & presentation skills)
- PO-6:** Use modern tools and techniques for the efficient diagnosis of diseases.
(Commitment to professional excellence)
- PO-7:** Promote advancement of Medical laboratory technology through practice, education, and research.
(Research)



B.Sc. Clinical Research

Program Educational Objectives (PEO's)

The program educational objective of the B.Sc (Clinical Research) 3 years degree Programme.

- PEO-1:** To provide students with competence of technical skills of various disciplines of Clinical Research like Clinical trials study, Ethical requirements, Hospital management, Biostatistics and Pharmacology to meet the requirements of Clinical Research Industries, Community and Hospital.
- PEO-2:** To prepare students to utilize their abilities in postgraduate programs and technical professions.
- PEO-3:** To develop the ability in clinical research graduates to assess benefits and deficiencies of the subject matters they studied and philosophies they observed in the field of Clinical Research. To Enable students to skillfully adapt to individual and cultural diversity.

Program Specific Outcomes (PSO's)

- PSO-1:** To implement the Clinical Research knowledge in development of new drug, conducting clinical trials by research oriented activity.
- PSO-2:** Service the public by providing patient centric effective treatments for improving their health and well-being of society.
- PSO-3:** To build and shape lifelong career of personal and practicing professional growth with ethical codes and self-esteem.

Program Outcome (PO's)

The expected outcome of B.Sc (Clinical Research) 3 years degree Programme. are foreseen that on completion of this program the students will be able to

- PO-1:** To develop graduates with high practical capabilities inculcated with strong hold on fundamental concepts of Clinical Research.
- PO-2:** Able to apply technical skills learned during the course to correlate interdisciplinary approach for solving complex problems in Clinical Research. Interdisciplinary approach and research.
- PO-3:** Inculcate professional and ethical values as a Clinical Researcher as well as knowledge and skills to successfully practice the profession of Clinical Research. Professional and ethical values.
- PO-4:** Able to communicate effectively, provide adequate technical information for patient counselling and effective participation in health care programs. Communication skills.
- PO-5:** To impart knowledge of new drug development, clinical trial. Knowledge and application.
- PO-6:** To train students as per industrial expectations and entrepreneurship establishment. Entrepreneurship.
- PO-7:** Understand the ongoing recent advancements in the field of clinical research for patient benefit and encouraged for novel innovations .Innovation and advancement.
- PO-8:** To develop students with critical thinking skills by integrated technical knowledge obtained during course of study. Critical thinking skills.
- PO-9:** Students understand different phases of drug development, Clinical trials, Ethical regulation, and mechanism of action and Bioavailability concept in conjunction with non-clinical studies. Employability
- PO-10:** Understand various regulatory guidelines for NDA and IND application, clinical trials, FDA, DCGI and various laws governing in clinical research.



M.TECH - COMPUTER SCIENCE AND ENGINEERING

Program Educational Objectives (PEO's)

The Program Educational Objective of the M. Tech (Computer science and engineering) is to :

- PEO-1:** Independently design and develop computer software systems and products based on sound theoretical principles and appropriate software development skills.
- PEO-2:** Demonstrate knowledge of technological advances through active participation in life-long learning.
- PEO-3:** Accept to take up responsibilities upon employment in the areas of teaching, research, and software development.
- PEO-4:** Exhibit technical communication, collaboration and mentoring skills and assume roles both as team members and as team leaders in an organization.

Program Specific Outcomes (PSO's)

On completion of the M. Tech (Computer science and engineering) the student will be able to :

- PSO-1:** An understanding of the theoretical foundations of computer science and engineering
- PSO-2:** An ability to adapt existing models, techniques, algorithms, data structures, etc. for efficiently solving problems.
- PSO-3:** An ability to apply machine learning tools to solve problems and design solutions

Program Outcome (PO's)

- PO-1:** An ability to undertake original research at the cutting edge of computer science & its related areas.
- PO-2:** An ability to function effectively individually or as a part of a team to accomplish a stated goal.
- PO-3:** An understanding of professional and ethical responsibility.
- PO-4:** An ability to communicate effectively with a wide range of audience.
- PO-5:** An ability to learn independently and engage in life-long learning.
- PO-6:** An understanding of the impact of IT related solutions in an economic, societal and environment context



M.C.A. - Masters of Computer Applications

Program Educational Objectives (PEO's)

The Program Educational Objective of the Masters of Computer Application is to :

PEO-1: Independently design and develop computer software systems and products based on sound theoretical principles and appropriate software development skills.

PEO-2: Demonstrate knowledge of technological advances through active participation in life-long learning.

PEO-3: Accept to take up responsibilities upon employment in the areas of teaching, research, and software development.

PEO-4: Exhibit technical communication, collaboration and mentoring skills and assume roles both as team members and as team leaders in an organization.

Program Specific Outcomes (PSO's)

On completion of the Masters of Computer Application the student will be able to :

PSO-1: An understanding of the theoretical foundations of computer science and engineering

PSO-2: An ability to adapt existing models, techniques, algorithms, data structures, etc. for efficiently solving problems.

PSO-3: An ability to apply machine learning tools to solve problems and design solutions

Program Outcome (PO's)

PO-1: An ability to undertake original research at the cutting edge of computer application & its related areas.

PO-2: An ability to function effectively individually or as a part of a team to accomplish a stated goal.

PO-3: An understanding of professional and ethical responsibility.

PO-4: An ability to communicate effectively with a wide range of audience.

PO-5: An ability to learn independently and engage in life-long learning.

PO-6: An understanding of the impact of IT related solutions in an economic, societal and environment context



BBA (Bachelor in Business Administration)

Program Educational Objectives (PEO's)

The Program Educational Objective of the (BBA) Bachelor's Degree Programme is to :

- PEO-1:** Equip the students with decision making tools for effective teamwork.
- PEO-2:** Develop entrepreneurial skills to promote creativity and innovation.
- PEO-3:** Produce ethical and socially responsible industry ready graduates having high level of personal and professional integrity.
- PEO-4:** Arm students with core business competencies to understand, evaluate and analyse business problems.
- PEO-5:** Provide effective oral and written communication skills for enhanced comprehension and presentation.
- PEO-6:** Inculcate professionalism for long term sustainable growth.

Program Specific Outcomes (PSO's)

- PSO-1:** Acquire academic excellence with an aptitude for higher studies, research and to meet competitive exams *(Research & Analytical Skills)*
- PSO-2:** Display competencies and knowledge in key business functional areas including accounting, marketing and management *(Core Competency & Benchmarking)*
- PSO-3:** Learn how to effectively manage people and build strong relationships *(Leadership & Teambuilding Skills)*
- PSO-4:** Enhance critical thinking and analytical skills in terms of decision making *(Critical Thinking & Decision Making)*
- PSO-5:** Develop entrepreneurial skill to motivate towards start-ups *(Entrepreneurial & Strategic Skills)*

Program Outcome (PO's)

The Expected Outcome of the Programme is that on completion of this Programme the students will be able to:

- PO-1:** Demonstrate an understanding of business functional areas and their interlinkage within. *(Cross Functional Understanding)*
- PO-2:** Apply management concepts and approaches in real life scenarios. *(Management Skills)*
- PO-3:** Convey ideas and information effectively. *(Communication)*
- PO-4:** Interpret how information technology affects business operations, and leverage business technologies to their advantage. *(Digital Literacy)*
- PO-5:** Inculcate professionalism for long term sustainable growth. *(Life Long learning)*
- PO-6:** Integrate various functional areas of business to guide innovation and solve complex business problems. *(Innovation & Problem Solving)*



B.Com (Bachelor in Commerce)

Program Educational Objectives (PEO's)

The Program Educational Objective of the (BCOM) Bachelor's Degree Programme is to :

- PEO-1:** Equip and help the students in making a positive contribution in the field of accountancy.
- PEO-2:** Enable the students to recognize and resolve ethical issues that arise in business settings.
- PEO-3:** Enable Students to develop an appreciation of the role and function of finance and accounting in the competitive world.
- PEO-4:** Produce ethical and socially responsible industry ready graduates having high level of personal and professional integrity.
- PEO-5:** Provide a platform for enhancing oral and written communication skills for effective comprehension and presentation.
- PEO-6:** Help Students to identify a business problem, isolate its key components, analyze and assess the salient issues.

Program Specific Outcomes (PSO's)

- PSO-1:** Students will be able to demonstrate progressive learning of various tax issues and tax forms related to individuals. Students will be able to demonstrate knowledge in setting up a computerized set of accounting books. *(Taxation & Auditing Skills)*
- PSO-2:** Students will demonstrate progressive affective domain development of values, the role of accounting in society and business. *(Accounting in Practice)*
- PSO-3:** Students will learn relevant financial accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business. *(Financial Accounting Skills)*
- PSO-4:** Students will learn relevant managerial accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business. *(Management Accounting Skills)*
- PSO-5:** Learners will gain thorough systematic and subject skills within various disciplines of commerce, business, accounting, economics, finance, auditing and marketing. *(Holistic Learning)*
- PSO-6:** Learners will be able to recognise features and roles of businessmen, entrepreneur, managers, consultant, which will help learners to possess knowledge and other soft skills and to react aptly when confronted with critical decision making. *(Entrepreneurship & Decision Making)*

Program Outcome (PO's)

The Expected Outcome of the Programme is that on completion of this Programme the students will be able to:

- PO-1:** Apply the knowledge of mathematics, accounting and finance for solving complex accounting and Management problems. *(Accounting & Finance)*
- PO-2:** Demonstrate ethical and socially responsible behavior. *(Behavioral Skills)*
- PO-3:** Create relevant, complete and accurate financial statements and information reports using the appropriate accounting principles to provide information to measure the entity's performance. *(Financial Statements & Reports)*
- PO-4:** Interpret financial statement and organizational results to enhance the entity's decisionmaking performance. *(Interpretation & Decision Making)*
- PO-5:** Showcase the knowledge of financial, managerial, tax, auditing, and international accounting principles and practices. *(Taxation & Auditing)*
- PO-6:** Demonstrate an appreciation of the broad environment in which businesses operate. *(Ethical Behavior)*
- PO-7:** Develop critical thinking, quantitative reasoning, written, and oral communication skills. *(Critical Thinking & Communication)*



MBA (Master in Business Administration)

Program Educational Objectives (PEO's)

The Program Educational Objective of the (MBA) Masters's Degree Programme is to :

- PEO-1:** Equip the students with decision making tools for effective teamwork.
- PEO-2:** Develop entrepreneurial skills to promote creativity and innovation.
- PEO-3:** Produce ethical and socially responsible industry ready graduates having high level of personal and professional integrity.
- PEO-4:** Arm students with core business competencies to understand, evaluate and analyse business problems.
- PEO-5:** Provide effective oral and written communication skills for enhanced comprehension and presentation.
- PEO-6:** Inculcate professionalism for long term sustainable growth.

Program Specific Outcomes (PSO's)

- PSO-1:** Helped in designing with the objective of developing young men and women into highly adept professional managers. *(Core Competency Development)*
- PSO-2:** Help students to explore practical application of the management concept. *(Management Skills)*
- PSO-3:** Empowers students to demonstrate the ability to innovate, the ability to execute the most daunting challenges in the most trying of circumstances. *(Innovation & Problem Solving)*
- PSO-4:** Helped to create synergies amongst the most diverse set of variables and the ability to continuously learn, improvise, adapt, energize, excel and grow. *(Leadership & Team Building Skills)*
- PSO-5:** Encourage student on their professional development plans by reflecting on their first year's learning and Summer Internship experiences. *(Experiential Learning)*
- PSO-6:** Providing a Strong analytical foundation in key functional areas and the other, enabling a high degree of academic flexibility, thereby allowing students to customize their MBA experience. *(Analytical & Entrepreneurial Skills)*

Program Outcome (PO's)

The Expected Outcome of the Programme is that on completion of this Programme the students will be able to:

- PO-1:** Communicate effectively in the business context, using ICT and digital tools. *(Communication & Information Technology)*
- PO-2:** Demonstrate the ability to work cohesively and effectively in teams and groups. *(Team work & Leadership)*
- PO-3:** Use rational and ethical judgment while analyzing business problems. *(Analyzing business problems)*
- PO-4:** Develop the ability to critically assess business problems and provide solutions in the global arena. *(Problem Solving)*
- PO-5:** Demonstrate an understanding of the fundamental and interdisciplinary business concepts and functions through analytical tools for achieving strategic business outcomes. *(Employability & Entrepreneurship)*
- PO-6:** Develop a holistic personality for professional excellence and personal growth. *(Professional Ethics)*



Bachelor of Design (BD'es)

Program Educational Objectives (PEO's)

The Program Educational Objective of the (BD'es) Bachelor's Degree Programme is to :

- PEO-1: Visionaries** | Actively engage students in leadership in a global environment/ context
- PEO-2: Research Oriented** | Conducting design inquiry through evidence and design research
- PEO-3: Inquisitive** | A culture of inquiry, collaboration, and cross-disciplinary endeavours
- PEO-4: Human-centric** | Sensitivity towards human behaviour and commitment to the health, safety and welfare of the public
- PEO-5: Learning Real-time** | Enabling interaction with the environment to equip students to adapt and respond to 'situations' rather than simulations
- PEO-6: Inclusive** | Emphasis on understanding regional cultural sensitivity and global diversity at the same time

Program Specific Outcomes (PSO's)

- PSO-1: Developing a professional mind set by a well-designed pedagogical structure.** Inculcating critical thinking and teamwork as basic graduate attributes with adherence to the moral and ethical code of conduct to perform equally well in the areas of employability and entrepreneurship.
- PSO-2: Gaining updated knowledge and understanding** regarding contemporary developments, smart materials, cutting edge technology, state of the art advancements, etc. in the field of interior and construction to develop an intuitive and innovate approach and contribution towards the field of design.
- PSO-3: Approaching problem solving attributes** through a strong research background. Attaining adequate scholarly knowledge by exposing students for referring to editorials, volumes, papers, journals, and authentic e-platforms. Encouraging prospective graduates for higher degree of research, studies, explorations and develop novel prototypes and products.
- PSO-4: Imbibing a sense of appreciation** towards different history, culture, tradition, craftsmen, artists alike and developing a collaborative approach to protect and prosper the identity and authenticity of design community.
- PSO-5: Inculcating the habits of constructive criticism** self-evaluation and lifelong learning through cross-collaboration, design studio culture, hands-on working. Acknowledging the betterment of the society by working for the needy and the underprivileged through the Social drives and programmes.

Program Outcome (PO's)

The Expected Outcome of the Programme is that on completion of this Programme the students will be able to:

- PO-1: Knowledge & Expertise of the Design field** - An ability to understand and work with a systematic body of knowledge appropriate to the focus and level of the qualification and specialisation, based on a holistic understanding of lifestyle and Design Industries
- PO-2: Research** - An ability to identify, formulate and analyze Design problems, conduct a literature search, and reach substantiated conclusions using principles and processes of Design.
- PO-3: Information and digital literacy** - A skill in visualization & proficiency in contemporary technology and software.
- PO-4: Problem-Solving** - An ability for critical analysis, problem-solving and creative thinking.
- PO-5: Communication and presentation skills** - An ability to communicate effectively and appropriately in a range of contexts.
- PO-6: Behavioral skills, Teamwork and leadership** - An ability to work collaboratively.
- PO-7: Globalization** - To navigate and contribute to a globally interconnected design ecosystem by integrating cultural, economic, and technological perspectives into their work.



- PO-8:** **Ethical, Social and Professional Understanding**- An ability to apply principles of ethics and professional practices in cultural, social, moral & civic contexts.
- PO-9:** **Employability, Entrepreneurship**- Self Motivation and Enhance Entrepreneurship Skills for Career Advancement and Development
- PO-10:** **Lifelong Learning** - An ability to recognize the need for, and have the capacity to undertake life-long learning.
- PO-11:** **Organizational behaviour** - An ability to work in a planned manner with sound time management.
- PO-12:** **Finance and marketing** - Critical business skills, enhancing versatility and employability in the design industry.



Masters of Design (MD'es)

Program Educational Objectives (PEO's)

The Program Educational Objective of the (MD'es) Masters's Degree Programme is to :

- PEO-1: Mastery in Advanced Interior Design:** To equip graduates with comprehensive knowledge and skills to excel in conceptualizing, planning, and executing innovative and functional interior spaces.
- PEO-2: Expertise in Research and Critical Thinking:** To develop the ability to conduct in-depth research, apply critical thinking, and integrate theoretical and practical knowledge into advanced design solutions.
- PEO-3: Leadership in Sustainable Practices:** To foster leaders in interior design who prioritize sustainability, ethical practices, and social responsibility in their professional endeavors.
- PEO-4: Proficiency in Interdisciplinary Collaboration:** To prepare graduates to effectively collaborate with architects, engineers, and other professionals, contributing to integrated and cohesive design solutions.
- PEO-5: Cultural and Contextual Adaptability:** To ensure graduates are capable of creating design solutions that respect and incorporate cultural, historical, and contextual elements, promoting diversity and inclusivity.
- PEO-6: Technological Advancement and Innovation:** To encourage the adoption and application of emerging technologies, tools, and methodologies to stay at the forefront of the interior design profession.

Program Specific Outcomes (PSO's)

- PSO-1:** Develop advanced competencies in conceptualizing and executing innovative interior design solutions that address functional, aesthetic, and sustainability needs.
- PSO-2:** Demonstrate the ability to conduct thorough research and critical analysis of interior design theories, materials, and emerging trends to inform design decisions.
- PSO-3:** Apply advanced technical knowledge of materials, construction techniques, and modern technologies to create well-integrated interior spaces.
- PSO-4:** Integrate principles of sustainability and ethical responsibility into interior design projects, promoting environmentally responsible and socially conscious practices.
- PSO-5:** Exhibit professional communication skills and the ability to collaborate effectively with multidisciplinary teams, clients, and stakeholders.
- PSO-6:** Incorporate cultural, historical, and contextual elements into design practices, creating spaces that reflect and respect diverse identities and traditions.
- PSO-7:** Embrace lifelong learning and innovation by engaging with emerging technologies, design methodologies, and industry best practices to stay at the forefront of the profession.

Program Outcome (PO's)

The Expected Outcome of the Programme is that on completion of this Programme the students will be able to:

- PO-1: Design Excellence and Innovation** - To foster a culture of creativity, and cutting-edge innovation, enabling students to set new standards of excellence in the design industry.
- PO-2: Advanced Technical Competency** - To develop students' expertise in advanced technologies and methodologies, enabling them to execute complex design projects with technical precision and innovation.
- PO-3: Sustainability and Environmental Stewardship** - An ability to understand the principles of Sustainable Design and Development.
- PO-4: Research and Analytical Skills** - To cultivate a strong foundation in research methodologies and analytical thinking, empowering students to approach design challenges with informed, data-driven, and user-centric solutions.



- PO-5: Cultural and Historical Integration** - To deepen student's appreciation and understanding of cultural and historical influences, enabling them to create designs that are contextually relevant, meaningful, and globally informed.
- PO-6: Ethical and Professional Responsibility** -An ability to apply principles of ethics and professional practices in cultural, social, moral & civic contexts.
- PO-7: Effective Communication and Presentation** -An ability to communicate effectively and appropriately in various range of contexts related to designs.
- PO-8: Collaboration and Teamwork** -To foster a collaborative mindset and develop teamwork skills that enable students to work effectively in multidisciplinary, multicultural, and dynamic design environments.
- PO-9: Critical Thinking and Problem-Solving** - An ability for critical thought, rational enquiry and self-directed learning.
- PO-10: Proficiency in Digital Tools and Technologies** -To equip students with advanced skills in digital tools and emerging technologies, enabling them to create innovative, high-quality, and future-ready design solutions.
- PO-11: Adaptability to Emerging Trends** - To prepare students to anticipate, understand, and respond proactively to evolving trends, technologies, and societal shifts in the design industry.
- PO-12: Leadership and Entrepreneurial Skills** - To cultivate visionary leaders and entrepreneurial thinkers who can drive innovation and manage design ventures.



Bachelor of Pharmacy (B. Pharmacy)

Program Educational Objectives (PEO's)

The Program Educational Objective of the Bachelor of Pharmacy (B. Pharmacy) is to :

- PEO-1:** To provide students with competence of technical skills of various disciplines of Pharmaceutics, Pharmaceutical Chemistry, Pharmacology and Pharmacognosy to meet the requirements of Industries, Community and Hospital.
- PEO-2:** To prepare students to utilize their abilities in postgraduate programs and technical professions.
- PEO-3:** To develop the ability in pharmacy graduates to assess benefits and deficiencies of the subject matters they studied and philosophies they observed in the field of pharmaceutical sciences.

Program Specific Outcomes (PSO's)

On completion of the (B.Pharma) degree the graduates will be able to :

- PSO-1:** To implement the Pharmaceutical knowledge in formulating the best suitable dosage form by research oriented activities.
- PSO-2:** To service the public by providing patient centric effective treatments for improving their health and well-being of society.
- PSO-3:** To build and shape lifelong career of personal and practicing professional growth with ethical codes and self-esteem.

Program Outcome (PO's)

- PO-1:** To develop graduates with high practical capabilities inculcated with strong hold on fundamental concepts of Pharmaceutical sciences.
- PO-2:** Able to apply technical skills learned during the course to correlate interdisciplinary approach for solving complex problems of research in pharmaceutical sciences.
- PO-3:** Inculcate professional and ethical values as a pharmacist as well as knowledge and skills to successfully practice the profession of pharmacy.
- PO-4:** Able to communicate effectively, provide adequate technical information for patient counselling and effective participation in health care programs.
- PO-5:** To impart knowledge of formulation, synthesis and evaluation of drugs of synthetic/ herbal origin along with their identification, purification and isolation.
- PO-6:** To train students as per industrial expectations and entrepreneurship establishment.
- PO-7:** Understand the ongoing recent advancements in the field of medicine for patient benefit and encouraged for novel innovations
- PO-8:** To develop students with critical thinking skills by integrated technical knowledge obtained during course of study.
- PO-9:** Students understand different dosage forms, Pharmaceutical preparations, and their route of administration, mechanism of action and Bioavailability concept in conjunction with human anatomy and physiology.
- PO-10:** Understand various regulatory guidelines for import and export of drugs, clinical trials, cultivation and collection of drugs, IPR, QA & QC and various laws governing pharmacy profession.

