# SCHOOL OF COMMERCE

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# B.Com

## Program Outcomes (POs)

**PO-1:** An ability to understand the core discipline of professional accounting.

**PO-2:** An ability to apply the knowledge of accounting and technical skills in real life.

**PO-3:** An ability to realize and follow professional and ethical principles.

**PO-4:** An ability to demonstrate commitment to continuous learning.

**PO-5:** An ability to acquire contemporary issues.

**PO-6:** An ability to function in multidisciplinary teams.

**PO-7:** An ability and desire for higher education in Commerce.

## Program Specific Outcomes (PSOs)

**PSO-1:** Demonstrate knowledge and skills sets in the areas of banking and insurance.

**PSO-2:** Ability to apply knowledge in the fields of accounting and taxation as a practitioner or as a professional.

**PSO-3:** Further the horizon of accounting, finance, banking, insurance, corporate accounting and taxation.

## Program Educational Objectives (PEOs)

**PEO-1:** To work in a company where the business is continuously expanding and growth prospects are good in the areas of banking, accounting and finance.

**PEO-2:** To appear for Integrated Professional Competence Course (IPCC) and subsequently complete articleship, so as to enable to go for final CA.

**PEO-3:** To demonstrate professional expertise in financial planning, analysis, control, decision support and professional ethics with the employees.

**PEO-4:** Practice the accounting, taxation, reporting and compliance knowledge in accounting firms, KPOs and the hard core finance and account profile.

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# B.Com (Hons.)

## Program Outcomes (POs)

**PO-1:** An ability to apply knowledge and skills of accounting and finance in areas of business operations.

**PO-2:** An ability to identify, evaluate and resolve real-time business problems with the specialized knowledge developed through practical training.

**PO-3:** An ability and desire for higher studies or professional certification like Chartered Accountant/ Cost and Management Accountant/ Company Secretary.

**PO-4:** An ability to realize and follow professional and ethical principles.

**PO-5:** An ability to demonstrate commitment to continuous learning.

**PO-6:** An ability to function in multidisciplinary teams.

## Program Specific Outcomes (PSOs)

**PSO-1:** Ability to apply the knowledge of the corporate accounting in his professional career.

**PSO-2:** Ability to appraise the multi-dimensional business situations and assess the financial health of companies.

**PSO-3:** Analyze the economic, social and environmental issues related to business in financial terms.

## Program Educational Objectives (PEOs)

**PEO-1:** Become the full-fledged accounting and finance professionals.

**PEO-2:** Apply the practical knowledge gained over the years in the field of auditing, tax filing, share market and other finance related services.

**PEO-3:** Excel as the Fellow and Associate of CMA.

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# B.Sc. (Economics)

## Program Outcomes (POs)

**PO-1:** An ability to apply the fundamental knowledge of Mathematics to Economics.

**PO-2:** An ability to analyze and interpret the Economic data.

**PO-3:** An ability to function in multidisciplinary teams.

**PO-4:** An ability to identify, formulate and solve the problems in the area of Economics.

**PO-5:** An understanding of professional and ethical responsibility in the field of Economics.

**PO-6:** An ability to communicate effectively.

**PO-7:** The broad education necessary to understand the impact of solutions in a global, economic, environmental and societal context.

**PO-8:** An ability to use the techniques, skills and modern professional tools necessary for professional practice and for research in the areas of Economics.

## Program Specific Outcomes (PSOs)

**PSO-1:** An ability to apply the fundamental knowledge of Statistics with "R" Programming tool to Economics.

**PSO-2:** An ability to identify, formulate and solve the problems in the area of Macro Economics.

**PSO-3:** An ability to use the data analytic Techniques for professional practice and for research in the areas of Economics.

## Program Educational Objectives (PEOs)

**PEO-1:** The graduating student shall become a professional Economist.

**PEO-2:** The graduating student shall become a researcher in the selected area of Economics.

**PEO-3:** The graduating student shall become an Entrepreneur / Consultant.

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# SCHOOL OF COMPUTER SCIENCE ENGINEERING

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# B.Tech. Computer Science and Engineering

## Program Outcomes (POs)

**PO-1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO-2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO-3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate 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 and research methods 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 IT tools including prediction and modeling 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 diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

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## Program Specific Outcomes (PSOs)

**PSO-1:** [Problem Analysis]: Identify, formulate, research literature, and analyze complex engineering problems related to Software Engineering principles and practices, Programming and Computing technologies reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PSO-2:** [ Design/development of Solutions]: Design solutions for complex engineering problems related to Software Engineering principles and practices, Programming and Computing technologies and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

**PSO-3:** [Modern Tool usage] : Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities related to Software Engineering principles and practices, Programming and Computing technologies with an understanding of the limitations.

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate as a Computer Engineering Professional.

**PEO-2:** A Teaching and Research Professional in the area of Computer science and engineering through lifelong learning.

**PEO-3:** A Consultancy team member in the Computer Science and Engineering Industry.

**PEO-4:** An entrepreneur in the computer science and other related areas of specialization.

# B.Tech. Computer Science and Engineering (Cyber Security)

## Program Outcomes (POs)

**PO-1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO-2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO-3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate 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 and research methods 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 IT tools including prediction and modeling 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 diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

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## Program Specific Outcomes (PSOs)

**PSO-1:** [Problem Analysis]: Identify, formulate, research literature, and analyze complex engineering problems related to Cyber Security principles and practices, Programming and Computing technologies reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

**PSO-2:** [ Design/development of Solutions]: Design solutions for complex engineering problems related to Cyber Security principles and practices, Programming and Computing technologies and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, cultural, societal and environmental considerations.

**PSO-3:** [Modern Tool usage] : Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities related to Cyber Security principles and practices, Programming in Cyber Security Computing & analytics with an understanding of the limitations.

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate as a Computer Engineering Professional.

**PEO-2:** Engage in lifelong learning through research and professional development.

**PEO-3:** Serve as a leader in the profession through consultancy, extension activities and/ or entrepreneurship.

# B.Tech. Computer Science and Engineering (IoT)

## Program Outcomes (POs)

**PO-1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO-2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO-3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate 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 and research methods 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 IT tools including prediction and modeling 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 diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

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## Program Specific Outcomes (PSOs)

**PSO-1:** [Problem Analysis]: Identify, formulate, research literature, and analyze complex engineering problems related to Internet of Things principles and practices, Programming and Computing technologies reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

**PSO-2:** [ Design/development of Solutions]: Design solutions for complex engineering problems related to Internet of Things principles and practices, Programming and Computing technologies and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, cultural, societal and environmental considerations.

**PSO-3:** [Modern Tool usage] : Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities related to Internet of Things principles and practices, Programming in Internet of Things Computing & analytics with an understanding of the limitations.

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate as a Computer Engineering Professional.

**PEO-2:** Engage in lifelong learning through research and professional development.

**PEO-3:** Serve as a leader in the profession through consultancy, extension activities and/ or entrepreneurship.

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# B.Tech. Computer Science and Engineering (Artificial Intelligence and Machine Learning)

## Program Outcomes (POs)

**PO-1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO-2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO-3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate 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 and research methods 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 IT tools including prediction and modeling 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 diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

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## Program Specific Outcomes (PSOs)

**PSO-1:** [Problem Analysis]: Identify, formulate, research literature, and analyze complex engineering problems related to AI & ML principles and practices, Programming and Computing technologies reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

**PSO-2:** [ Design/development of Solutions]: Design solutions for complex engineering problems related to AI & ML principles and practices, Programming and Computing technologies and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, cultural, societal and environmental considerations.

**PSO-3:** [Modern Tool usage] : Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities related to AI & ML principles and practices, Programming AI & ML Computing & analytics with an understanding of the limitations.

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate as a Computer Engineering Professional.

**PEO-2:** Engage in lifelong learning through research and professional development.

**PEO-3:** Serve as a leader in the profession through consultancy, extension activities and/ or entrepreneurship.

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# B.Tech. Computer Science and Engineering (Block Chain)

## Program Outcomes (POs)

**PO-1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO-2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO-3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate 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 and research methods 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 IT tools including prediction and modeling 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 diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

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## Program Specific Outcomes (PSOs)

**PSO-1:** [Problem Analysis]: Identify, formulate, research literature, and analyze complex engineering problems related to Block Chain principles and practices, Programming and Computing technologies reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

**PSO-2:** [ Design/development of Solutions]: Design solutions for complex engineering problems related to Block Chain principles and practices, Programming and Computing technologies and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, cultural, societal and environmental considerations.

**PSO-3:** [Modern Tool usage] : Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities related to Block Chain principles and practices, Programming Block chain Computing & analytics with an understanding of the limitations.

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate as a Computer Engineering Professional.

**PEO-2:** Engage in lifelong learning through research and professional development.

**PEO-3:** Serve as a leader in the profession through consultancy, extension activities and/ or entrepreneurship.

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# B.Tech. Computer Science and Engineering (Data Science)

## Program Outcomes (POs)

**PO-1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO-2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO-3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate 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 and research methods 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 IT tools including prediction and modeling 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 diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

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## Program Specific Outcomes (PSOs)

**PSO-1:** [Problem Analysis]: Identify, formulate, research literature, and analyze complex engineering problems related to Data science principles and practices, Programming and Computing technologies reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

**PSO-2:** [ Design/development of Solutions]: Design solutions for complex engineering problems related to Data science principles and practices, Programming and Computing technologies and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, cultural, societal and environmental considerations.

**PSO-3:** [Modern Tool usage] : Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities related to Data science principles and practices, Programming Data science Computing & analytics with an understanding of the limitations.

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate as a Computer Engineering Professional

**PEO-2:** Engage in lifelong learning through research and professional development.

**PEO-3:** Serve as a leader in the profession through consultancy, extension activities and/ or entrepreneurship

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# B.Tech. Computer Engineering

## Program Outcomes (POs)

**PO-1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO-2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO-3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate 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 and research methods 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 IT tools including prediction and modeling 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 diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

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## Program Specific Outcomes (PSOs)

**PSO-1:** [Problem Analysis]: Identify, formulate, research literature, and analyze complex engineering problems related to Software Engineering principles and practices, Programming and Computing technologies reaching substantiated conclusions using first principle

**PSO-2:** [ Design/development of Solutions]: Design solutions for complex engineering problems related to Software Engineering principles and practices, Programming and Computing technologies and design system components or processes that meet the specified needs.

**PSO-3:** [Modern Tool usage] : create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities related to Software Engineering principles and practices, Programme.

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate as a Computer Engineering Professional.

**PEO-2:** A Teaching and Research Professional in the area of Computer science and engineering through lifelong learning.

**PEO-3:** A Consultancy team member in the Computer Science and Engineering Industry.

**PEO-4:** An entrepreneur in the computer science and other related areas of specialization.

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# B.Tech. Computer Science and Technology

## Program Outcomes (POs)

**PO-1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO-2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO-3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate 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 and research methods 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 IT tools including prediction and modeling 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 diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

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## Program Specific Outcomes (PSOs)

**PSO-1:** [Problem Analysis]: Identify, formulate, research literature, and analyze complex engineering problems related to AI & ML principles and practices, Programming and Computing technologies reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

**PSO-2:** [Design/development of Solutions]: Design solutions for complex engineering problems related to AI & ML principles and practices, Programming and Computing technologies and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, cultural, societal and environmental considerations.

**PSO-3:** [Modern Tool usage]: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities related to AI & ML principles and practices, Programming AI & ML Computing & analytics with an understanding of the limitations.

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate as a Computer Engineering Professional.

**PEO-2:** Engage in lifelong learning through research and professional development.

**PEO-3:** Serve as a leader in the profession through consultancy, extension activities and/ or entrepreneurship.

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# B.Tech. Computer Science and Technology (DevOps)

## Program Outcomes (POs)

**PO-1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO-2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO-3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate 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 and research methods 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 IT tools including prediction and modeling 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 diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

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PRESIDENCY UNIVERSITY Registrar BANGALORE

## Program Specific Outcomes (PSOs)

**PSO-1:** [Problem Analysis]: Identify, formulate, research literature, and analyse complex engineering problems related to software development & project management methodologies, Computing, DevOps tools and practices for substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PSO-2:** [ Design/development of Solutions]: Design solutions for complex engineering problems related to software development & project management methodologies, Computing, DevOps tools and practices and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

**PSO-3:** [Modern Tool usage] : Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities related to software development & project management methodologies.

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate as a Computer Engineering Professional.

**PEO-2:** A Teaching & Research Professional in the area of Computer science and technology through lifelong learning.

**PEO-3:** A Freelancing consultant to the computer science and technology-DevOps Industry.

**PEO-4:** An entrepreneur in the computer and other related areas of specialization.

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# B.Tech. Computer Science and Technology (Big Data)

## Program Outcomes (POs)

**PO-1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO-2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO-3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate 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 and research methods 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 IT tools including prediction and modeling 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 diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

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## Program Specific Outcomes (PSOs)

**PSO-1:** [Problem Analysis]: Identify, formulate, research literature, and analyse complex engineering problems related to Software Engineering principles & practice, Programming, Big Data computing & analytics Substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PSO-2:** [ Design/development of Solutions]: Design solutions for complex engineering problems related to Software Engineering principles & practice, Programming, Big Data Computing & analytics and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

**PSO-3:** [Modern Tool usage] : Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities related to Software Engineering principles & practice, Programming, Big Data Computing & analytics with an understanding of the limitations.

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate as a Computer Engineering Professional.

**PEO-2:** A Teaching and Research Professional in the area of Computer Science and Technology through lifelong learning.

**PEO-3:** A Freelancing consultant to the computer science and technology - Big Data Industry.

**PEO-4:** An entrepreneur in the computer and other related areas of specialization.

# B.Tech. Information Science and Technology

## Program Outcomes (POs)

**PO-1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO-2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO-3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate 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 and research methods 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 IT tools including prediction and modeling 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 diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

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## Program Specific Outcomes (PSOs)

**PSO-1:** An ability to use and develop cloud software, administrative features. Infrastructure services and architectural patterns; ethical hacking and forensic security technologies.

**PSO-2:** An ability to gain knowledge on design and control strategy; techniques to secure information and adapt to the fast changing world of information technology needs.

**PSO-3:** An ability to gain working Knowledge on emerging software tools and technologies and apply the knowledge of secure computing tools and techniques in the field of Information science and technology for solving real world problems.

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate success as a Computer Engineer with innovative skills, having moral and ethical values.

**PEO-2:** Engage in lifelong learning through research and professional development.

**PEO-3:** Serve as a leader in the profession through consultancy, extension activities and/ or entrepreneurship.

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# B.Tech. Information Science and Engineering

## Program Outcomes (POs)

**PO-1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO-2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO-3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate 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 and research methods 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 IT tools including prediction and modeling 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 diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

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## Program Specific Outcomes (PSOs)

**PSO-1:** [Problem Analysis]: Identify, review research articles, formulate and analyze complex engineering problems related to modern Information System and to arrive substantiated inferences using first principles of mathematics, natural sciences and engineering sciences.

**PSO-2:** [ Design/development of Solutions]: An ability to gain knowledge on design and control strategy; techniques to secure information, to design and develop software projects as well as Analyze and test user requirements.

**PSO-3:** [Modern Tool usage]: An Ability to gain working Knowledge on emerging software tools and technologies and apply the knowledge of computing tools and techniques in the field of Information science for solving real world problems encountered in the Software Industries.

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate success as a Computer Engineer with innovative skills, having moral and ethical values.

**PEO-2:** Engage in lifelong learning through research and professional development.

**PEO-3:** Serve as a leader in the profession through consultancy, extension activities and/ or entrepreneurship.

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# B.Tech. Computer and Communication Engineering

## Program Outcomes (POs)

**PO-1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO-2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO-3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate 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 and research methods 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 IT tools including prediction and modeling 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 diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

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## Program Specific Outcomes (PSOs)

**PSO-1:** Apply the knowledge gained during the course of the program from Mathematics, Basic Sciences in general and all Computer Science and networking courses in particular to identify, formulate and solve real life complex engineering problems faced in industries.

**PSO-2:** Provide socially acceptable technical solutions to complex engineering problems of computer science and communication networks with the application of modern and appropriate techniques for sustainable development relevant to professional engineering practice.

**PSO-3:** Apply the knowledge of professional ethics and management principles required to work in a team.

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate success as a Computer Engineer with innovative skills, having moral and ethical values.

**PEO-2:** Engage in lifelong learning through research and professional development.

**PEO-3:** Serve as a leader in the profession through consultancy, extension activities and/ or entrepreneurship.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# B.Tech. Electronics and Computer Engineering

## Program Outcomes (POs)

**PO-1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO-2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO-3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate 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 and research methods 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 IT tools including prediction and modeling 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 diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

## Program Specific Outcomes (PSOs)

**PSO-1:** [Problem Analysis]: Identify, formulate, research literature, and analyze complex engineering problems related to Software Engineering principles and practices, IT infrastructure and Communication Technologies reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PSO-2:** [Design/development of Solutions]: Design solutions for complex engineering problems related to Software Engineering principles and practices, IT infrastructure and Communication Technologies and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

**PSO-3:** [Modern Tool usage]: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities related to Software Engineering principles and practices, IT infrastructure and Communication Technologies with an understanding of the limitations.

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate as a Computer Engineering Professional.

**PEO-2:** A Teaching and Research Professional in the area of Electronics and Computer Engineering through lifelong learning.

**PEO-3:** A Consultancy team member in the Electronics and Computer Engineering Industry.

**PEO-4:** An entrepreneur in the Electronics and Computer Engineering with IT infrastructure specialization.

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# SCHOOL OF COMPUTER SCIENCE ENGINEERING

## PG PROGRAMS

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# M.Tech. Data Science

## Program Outcomes (POs)

**PO-1:** An ability to analyze, manage and supervise engineering systems and processes with the aid of appropriate advanced tools.

**PO-2:** An ability to design a system and process within constraints of health, safety, security, economics, manufacturability to meet desired needs.

**PO-3:** An ability to carry out research in the respective discipline and publish the findings.

**PO-4:** An ability to effectively communicate and transfer the knowledge/ skill to stakeholders.

**PO-5:** An ability to realize the impact of engineering solutions in a contemporary, global, economical, environmental, and societal context for sustainable development.

## Program Specific Outcomes (PSOs)

**PSO-1:** [Problem Analysis]: Identify, formulate, research literature, and analyze complex engineering problems related to Data science principles and practices, Programming and Computing technologies reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

**PSO-2:** [ Design/development of Solutions]: Design solutions for complex engineering problems related to Data science principles and practices, Programming and Computing technologies and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, cultural, societal and environmental considerations.

**PSO-3:** [Modern Tool usage] : Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities related to Data science principles and practices, Programming Data science Computing & analytics with an understanding of the limitations.

## Program Educational Objectives (PEOs)

**PEO-1:** To prepare graduates who will be successful professionals in industry, government, academia, research, entrepreneurial pursuit and consulting firms.

**PEO-2:** To prepare graduates who will contribute to society as broadly educated, expressive, ethical and responsible citizens with proven expertise.

**PEO-3:** To prepare graduates who will achieve peer recognition as individuals or in a team through demonstration of good analytical, research, design and implementation skills.

**PEO-4:** To prepare graduates who will thrive to pursue life-long reflective learning to fulfil their goals.

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# M.Tech. Artificial Intelligence

## Program Outcomes (POs)

**PO-1:** An ability to analyze, manage and supervise engineering systems and processes with the aid of appropriate advanced tools.

**PO-2:** An ability to design a system and process within constraints of health, safety, security, economics, manufacturability to meet desired needs.

**PO-3:** An ability to carry out research in the respective discipline and publish the findings.

**PO-4:** An ability to effectively communicate and transfer the knowledge/ skill to stakeholders.

**PO-5:** An ability to realize the impact of engineering solutions in a contemporary, global, economical, environmental, and societal context for sustainable development.

## Program Specific Outcomes (PSOs)

**PSO-1:** [Problem Analysis]: Identify, formulate, research literature, and analyze complex engineering problems related to AI & ML principles and practices, Programming and Computing technologies reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

**PSO-2:** [ Design/development of Solutions]: Design solutions for complex engineering problems related to AI & ML principles and practices, Programming and Computing technologies and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, cultural, societal and environmental considerations.

**PSO-3:** [Modern Tool usage] : Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities related to AI & ML principles and practices, Programming AI & ML Computing & analytics with an understanding of the limitations.

## Program Educational Objectives (PEOs)

**PEO-1:** To prepare graduates who will be successful professionals in industry, government, academia, research, entrepreneurial pursuit and consulting firms.

**PEO-2:** To prepare graduates who will contribute to society as broadly educated, expressive, ethical and responsible citizens with proven expertise.

**PEO-3:** To prepare graduates who will achieve peer recognition as individuals or in a team through demonstration of good analytical, research, design and implementation skills.

**PEO-4:** To prepare graduates who will thrive to pursue life-long reflective learning to fulfil their goals.

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PRESIDENCY UNIVERSITY Registrar BANGALORE

# SCHOOL OF DESIGN

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# B.Des.

## Program Outcomes (POs)

**PO-1:** Apply knowledge of fundamental principles of design.

**PO-2:** Design and conduct experiments, as well as analyse and interpret design data.

**PO-3:** Design a system, program, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.

**PO-4:** Operate on multidisciplinary teams.

**PO-5:** Identify, formulate and solve design problems.

**PO-6:** Demonstrate professional and ethical responsibility.

**PO-7:** Interpret effectively.

**PO-8:** Evaluate the impact of design solutions in a global, economic, environmental and societal context.

**PO-9:** Recognize the need for and an ability to engage in lifelong design learning.

**PO-10:** Identify contemporary design issues.

**PO-11:** Apply the techniques, skills, and modern design tools necessary for design practice.

**PO-12:** Apply the design principles and management principles to manage the project of multidisciplinary nature.

## Program Specific Outcomes (PSOs)

**PSO-1:** Identify and examine raw materials and constituents required for design innovation and development.

**PSO-2:** Demonstrate skills in ideation, conceptualization and production of design solutions for manufacturing organizations and design houses.

**PSO-3:** Apply creative skills for the production of sustainable, social, and environmental-friendly products and processes.

## Program Educational Objectives (PEOs)

**PEO-1:** The graduating student shall become a professional designer in the area of Fashion design, Space design, Product design, Communication Design and Game Design.

**PEO-2:** The graduating student shall become a researcher in the area of Design.

**PEO-3:** The graduating student shall become an Entrepreneur/Consultant/Design Practitioner.

# B.Sc. (Multimedia)

## Program Outcomes (POs)

**PO-1:** Apply fundamental knowledge of elements and principles of design.

**PO-2:** Practice multidisciplinary design approach working in teams/groups.

**PO-3:** Design processes and systems in multimedia related fields using design thinking aspects.

**PO-4:** Identify and solve design-related problems/challenges.

**PO-5:** Evaluate the impact of design solutions at varying levels of systems and contexts.

**PO-6:** Design a system, program, component, or process to meet desired needs within realistic constraint.

**PO-7:** Recognize the need for and an ability to engage in design practices.

**PO-8:** Identify contemporary design issues in multimedia-related areas.

**PO-9:** Apply the design and management principles to execute multidisciplinary projects.

**PO-10:** Apply the techniques, skills and modern design tools necessary for multimedia design practice.

**PO-11:** Demonstrate professional and ethical responsibility in design functions.

**PO-12:** Interpret and communicate design ideas effectively.

## Program Specific Outcomes (PSOs)

**PSO-1:** Identify, evaluate and apply techniques and tools of multimedia.

**PSO-2:** Demonstrate ideation, conceptualization and production skills in multimedia design solutions.

**PSO-3:** Apply creative skills to develop concepts, interfaces and interactive platforms and design programs in multimedia.

## Program Educational Objectives (PEOs)

**PEO-1:** The graduating student shall become a professional in the areas of animation and multimedia.

**PEO-2:** The graduating student shall become a researcher in the area of creative design thinking and its related applications.

**PEO-3:** The graduating student shall become an Entrepreneur/Consultant/Multimedia Designer.

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# SCHOOL OF ENGINEERING

## UG PROGRAMS

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# Department of Civil Engineering

## B.Tech. Civil Engineering

### Program Outcomes (POs)

**PO-1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO-2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO-3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate 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 and research methods 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 IT tools including prediction and modeling 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 diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

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## Program Specific Outcomes (PSOs)

**PSO-1:** Use technical, teamwork and communication skills along with leadership principles, to pursue civil engineering courses in area such as structural, transportation, geotechnical, materials, environment, construction and water resources engineering fields.

**PSO-2:** Understanding and applying the mathematical and scientific concepts for analytical and design skills concerned with civil engineering practice.

**PSO-3:** Engage in life-long learning through independent study and by participating in professional conferences, workshops, seminars, or continuing education by post graduate degree and research.

**PSO-4:** Sensitizing towards contemporary issues, societal needs with professionalism and ethics for sustainable development.

## Program Educational Objectives (PEOs)

**PEO-1:** The graduates shall acquire core competence in basic science and civil engineering.

**PEO-2:** The graduates shall constantly pursue the professional growth with multidisciplinary outlook.

**PEO-3:** The graduates shall work with high professionalism and ethical standards.

**PEO-4:** Graduates shall be responsive to societal needs for sustainable development.

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# Department of Mechanical Engineering

## B.Tech. Mechanical Engineering

### Program Outcomes (POs)

**PO-1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO-2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO-3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate 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 and research methods 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 IT tools including prediction and modeling 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 diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

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PRESIDENCY UNIVERSITY Registrar BANGALORE

## Program Specific Outcomes (PSOs)

**PSO-1:** Employbility: Acquire technical and managerial skill that make them an employable graduate.

**PSO-2:** Research: Acquire theoretical background of each course that they are capable of applying it for solving real-time (Physical) problems.

**PSO-3:** Entrepreneurship: Acquire time management, strategic thinking, team work, and network though out their course study and project work enable them to be an entrepreneurship.

**PSO-4:** Philanthropist: Get experienced through SIC (Social Immersion Course), social outreach, blood donation and other social activity during their 4 year stay and enable them to be a philanthropist.

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate success as Mechanical Engineer with innovative skills and moral and ethical values.

**PEO-2:** Engage in lifelong learning through research and professional development.

**PEO-3:** Serve as a leader in the profession through consultancy, extension activities or entrepreneurship.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# Department of Electrical and Electronics Engineering

## B.Tech. Electrical and Electronics Engineering

### Program Outcomes (POs)

**PO-1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO-2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO-3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate 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 and research methods 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 IT tools including prediction and modeling 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 diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

## Program Specific Outcomes (PSOs)

**PSO-1:** [Problem Analysis]: Identify, review research articles, formulate and analyze complex engineering problems related to modern Power System and Power Electronics & drives and to arrive substantiated inferences using first principles of mathematics, natural sciences and engineering sciences.

**PSO-2:** [Design/development of Solutions]:Design, develop and solve complex engineering problems related to modern Power System and Power Electronics & drives by designing system components or processes that meet the specified needs with appropriate consideration for the public health and safety, cultural, societal and environmental considerations.

**PSO-3:** [Modern Tool usage]:Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modelling to complex engineering activities related to modern Power System and Power Electronics & drives to provide a feasible solutions.

## Program Educational Objectives (PEOs)

**PEO-1:** A Electrical & Electronics Engineering Professional serving the society.

**PEO-2:** A Teaching & Research Professional in the area of Electrical &Electronics engineering through lifelong learning.

**PEO-3:** A Freelancing consultant to the Electrical & Electronics Engieering Industry.

**PEO-4:** An entrepreneur in the Electrical & Electronics Engineering and other related areas of specialization.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# Department of Electronics and Communication Engineering

## B.Tech. Electronics and Communication Engineering

### Program Outcomes (POs)

**PO-1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO-2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO-3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate 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 and research methods 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 IT tools including prediction and modeling 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 diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

## Program Specific Outcomes (PSOs)

**PSO-1:** An ability to be a successful engineer by applying the knowledge of signal processing, embedded systems and antenna design.

**PSO-2:** An ability to be a successful entrepreneur by understanding the impact of wireless communication, networking and provide solutions to real world problems related to global, environmental and socio-economic context.

**PSO-3:** An ability to be a successful researcher by identifying, formulating and solving the security, Defence and VLSI Design related problems.

**PSO-4:** An ability to identify, formulate and solve the communication engineering problems from knowledge gained during the course to work in a team as well as to lead a team.

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate as a successful ECE Professional with innovative skills and with a moral and ethical values.

**PEO-2:** Engage in life-long Learning through Research and Professional Development.

**PEO-3:** Serve as a leader in the profession through Consultancy and Entrepreneurship.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# Department of Petroleum Engineering

## B.Tech. Petroleum Engineering

### Program Outcomes (POs)

**PO-1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO-2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO-3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate 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 and research methods 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 IT tools including prediction and modeling 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 diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

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PRESIDENCY UNIVERSITY Registrar BANGALORE

## Program Specific Outcomes (PSOs)

**PSO-1:** Identify, formulate, research literature, and analyze complex engineering problems related to Drilling Engineering, Reservoir Engineering, Production Engineering, and Petrophysics.

**PSO-2:** Design solutions for complex engineering problems related to Drilling Engineering, Drilling Fluids, Reservoir Engineering, and Production Engineering processes.

**PSO-3:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities related to Drilling Engineering, Reservoir Engineering, Production Engineering, and Petrophysics with an understanding of the limitations.

## Program Educational Objectives (PEOs)

**PEO-1:** Establish as a successful Petroleum Engineering Professional with Innovative Skills and with a Moral and Ethical Values.

**PEO-2:** Engage in life-long Learning through Research and Professional Development.

**PEO-3:** Serve as a Leader in the profession through Consultancy, Extension Activities, and Entrepreneurship.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# SCHOOL OF ENGINEERING

## PG PROGRAMS

PRESIDENCY UNIVERSITY
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PRESIDENCY UNIVERSITY Registrar BANGALORE

# Department of Electronics and Communication Engineering

## M.Tech. Embedded System and VLSI

### Program Outcomes (POs)

**PO-1:** An ability to analyze, manage and supervise engineering systems and processes with the aid of appropriate advanced tools.

**PO-2:** An ability to design a system and process within constraints of health, safety, security, economics, manufacturability to meet desired needs.

**PO-3:** An ability to carry out research in the respective discipline and publish the findings.

**PO-4:** An ability to effectively communicate and transfer the knowledge/ skill to stakeholders.

**PO-5:** An ability to realize the impact of engineering solutions in a contemporary, global, economical, environmental, and societal context for sustainable development.

### Program Specific Outcomes (PSOs)

**PSO-1:** An ability to be a successful engineer by applying the knowledge of Embedded System Design, Software for Embedded Systems, CMOS VLSI Design and Advanced Digital System Design.

**PSO-2:** An ability to be a successful entrepreneur by understanding the impact of Embedded Systems and provide solutions to real world problems related to global, environmental and socio-economic context specially related to IOT.

**PSO-3:** An ability to be a successful researcher by identifying, formulating and solving the security, Defence and VLSI Design related problems.

**PSO-4:** An ability to identify, formulate and solve the communication engineering problems from knowledge gained during the course to work in a team as well as to lead a team.

### Program Educational Objectives (PEOs)

**PEO-1:** To prepare graduates who will be successful professionals in industry, government, academia, research, entrepreneurial pursuit and consulting firms.

**PEO-2:** To prepare graduates who will contribute to society as broadly educated, expressive, ethical and responsible citizens with proven expertise.

**PEO-3:** To prepare graduates who will achieve peer recognition as individuals or in a team through demonstration of good analytical, research, design and implementation skills.

**PEO-4:** To prepare graduates who will thrive to pursue life-long reflective learning to fulfil their goals.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# Department of Civil Engineering

## M.Tech. Building and Construction Technology

### Program Outcomes (POs)

**PO-1:** An ability to analyze, manage and supervise engineering systems and processes with the aid of appropriate advanced tools.

**PO-2:** An ability to design a system and process within constraints of health, safety, security, economics, manufacturability to meet desired needs.

**PO-3:** An ability to carry out research in the respective discipline and publish the findings.

**PO-4:** An ability to effectively communicate and transfer the knowledge/ skill to stakeholders.

**PO-5:** An ability to realize the impact of engineering solutions in a contemporary, global, economical, environmental, and societal context for sustainable development.

### Program Specific Outcomes (PSOs)

**PSO-1:** Able to pursue professional career in the constantly changing field of construction, Engineering, Technology

**PSO-2:** Able to contribute to knowledge base through teaching and research

**PSO-3:** Able to practice and promote sustainable construction technologies for social needs

### Program Educational Objectives (PEOs)

**PEO-1:** The graduates shall acquire core competence in civil engineering and Building Construction Technology

**PEO-2:** The graduates shall constantly pursue the professional growth with multidisciplinary outlook

**PEO-3:** The graduates shall work with high professionalism and ethical standards

**PEO-4:** Graduates shall be responsive to societal needs for sustainable development

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# Department of Mechanical Engineering

## M.Tech. Product Design and Development

### Program Outcomes (POs)

**PO-1:** An ability to analyze, manage and supervise engineering systems and processes with the aid of appropriate advanced tools.

**PO-2:** An ability to design a system and process within constraints of health, safety, security, economics, manufacturability to meet desired needs.

**PO-3:** An ability to carry out research in the respective discipline and publish the findings.

**PO-4:** An ability to effectively communicate and transfer the knowledge/ skill to stakeholders.

**PO-5:** An ability to realize the impact of engineering solutions in a contemporary, global, economical, environmental, and societal context for sustainable development.

### Program Specific Outcomes (PSOs)

**PSO-1:** [Employability]: Acquire technical and managerial skill that make them an employable graduate.

**PSO-2:** Research: Acquire theoretical background of each course that they are capable of applying it for solving real-time (Physical) problems.

**PSO-3:** Entrepreneurship: Acquire time management, strategic thinking, team work, and network though out their course study and project work enable them to be an entrepreneur.

**PSO-4:** Philanthropist: Get experienced through SIC (Social Immersion Course), social outreach, blood donation and other social activity during their stay and enable them to be a philanthropist.

### Program Educational Objectives (PEOs)

**PEO-1:** To prepare graduates who will be successful professionals in industry, government, academia, research, entrepreneurial pursuit and consulting firms.

**PEO-2:** To prepare graduates who will contribute to society as broadly educated, expressive, ethical and responsible citizens with proven expertise.

**PEO-3:** To prepare graduates who will achieve peer recognition as individuals or in a team through demonstration of good analytical, research, design and implementation skills.

**PEO-4:** To prepare graduates who will thrive to pursue life-long reflective learning to fulfil their goals.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# SCHOOL OF INFORMATION SCIENCE

PRESIDENCY UNIVERSITY
BENGALURU

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REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# BCA

## Program Outcomes (POs)

**PO-1:** Application of Domain Knowledge: Apply the domain knowledge such as mathematics, science and software engineering fundamentals into the Computer Application related professions.

**PO-2:** Problem Solving and Analysis: Identify, Formulate, Analyse and Solve Complex Scenarios related to Computer Applications.

**PO-3:** Design/development of Activities: Conceive, Design and Develop various activities of Computer Applications.

**PO-4:** Conduct Investigations of Events: Carry out Investigation of an event and draw logical conclusions based on critical thinking and analytical reasoning.

**PO-5:** Modern Tool usage: Effectively apply relevant ICT Tools and digital tools to carry out Computer Application Attributes.

**PO-6:** Research: Identify suitable Research Methods and report the findings.

**PO-7:** Profession and Society: Apply the knowledge of the values and beliefs of multicultural society and a global perspective in the profession.

**PO-8:** Ethics: Identify ethical issues and embrace ethical values in conduct of Profession.

**PO-9:** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Express thoughts and ideas effectively in writing and oral communication.

**PO-11:** Project management and finance: Ability to work independently, identify appropriate resources required for a project, and manage a project through to completion.

**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 societal and technological change.

## Program Specific Outcomes (PSOs)

**PSO-1:** Disciplinary knowledge: Capable of demonstrating comprehensive knowledge and understanding of Computer Applications, Animation, Augmented and Virtual Reality, Gaming and Graphics.

**PSO-2:** Problem Solving: Identify, formulate and apply appropriate techniques in the areas related to Software development, Augmented and Virtual Reality, Gaming and Graphics and related domains of varying complexities in real-time applications.

**PSO-3:** Design/development of Activities : Conceive, Design and Develop various activities of Computer Applications, Augmented Reality, Virtual Reality, Gaming and Graphics.

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate success as a Computer professional with innovative skills, having moral and ethical values.

**PEO-2:** Engage in lifelong learning through software development.

**PEO-3:** Serve as a leader in the profession through consultancy, extension activities and/ or entrepreneurship.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# BCA (Gaming and Graphics)

## Program Outcomes (POs)

**PO-1:** Application of Domain Knowledge: Apply the domain knowledge such as mathematics, science and software engineering fundamentals into the Computer Application related professions.

**PO-2:** Problem Solving and Analysis: Identify, Formulate, Analyse and Solve Complex Scenarios related to Computer Applications.

**PO-3:** Design/development of Activities: Conceive, Design and Develop various activities of Computer Applications.

**PO-4:** Conduct Investigations of Events: Carry out Investigation of an event and draw logical conclusions based on critical thinking and analytical reasoning.

**PO-5:** Modern Tool usage: Effectively apply relevant ICT Tools and digital tools to carry out Computer Application Attributes.

**PO-6:** Research: Identify suitable Research Methods and report the findings.

**PO-7:** Profession and Society: Apply the knowledge of the values and beliefs of multicultural society and a global perspective in the profession.

**PO-8:** Ethics: Identify ethical issues and embrace ethical values in conduct of Profession.

**PO-9:** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Express thoughts and ideas effectively in writing and oral communication.

**PO-11:** Project management and finance: Ability to work independently, identify appropriate resources required for a project, and manage a project through to completion.

**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 societal and technological change.

## Program Specific Outcomes (PSOs)

**PSO-1:** Disciplinary knowledge: Capable of demonstrating comprehensive knowledge and understanding of Computer Applications, Animation, Augmented and Virtual Reality, Gaming and Graphics.

**PSO-2:** Problem Solving: Identify, formulate and apply appropriate techniques in the areas related to Software development, Augmented and Virtual Reality, Gaming and Graphics and related domains of varying complexities in real-time applications.

**PSO-3:** Design/development of Activities :Conceive, Design and Develop various activities of Computer Applications, Augmented Reality, Virtual Reality, Gaming and Graphics.

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PRESIDENCY UNIVERSITY Registrar BANGALORE

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate success as a Computer professional with innovative skills, having moral and ethical values.

**PEO-2:** Engage in lifelong learning through software development.

**PEO-3:** Serve as a leader in the profession through consultancy, extension activities and/ or entrepreneurship.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# BCA (Augmented Reality / Virtual Reality)

## Program Outcomes (POs)

**PO-1:** Application of Domain Knowledge: Apply the domain knowledge such as mathematics, science and software engineering fundamentals into the Computer Application related professions.

**PO-2:** Problem Solving and Analysis: Identify, Formulate, Analyse and Solve Complex Scenarios related to Computer Applications.

**PO-3:** Design/development of Activities: Conceive, Design and Develop various activities of Computer Applications.

**PO-4:** Conduct Investigations of Events: Carry out Investigation of an event and draw logical conclusions based on critical thinking and analytical reasoning.

**PO-5:** Modern Tool usage: Effectively apply relevant ICT Tools and digital tools to carry out Computer Application Attributes.

**PO-6:** Research: Identify suitable Research Methods and report the findings.

**PO-7:** Profession and Society: Apply the knowledge of the values and beliefs of multicultural society and a global perspective in the profession.

**PO-8:** Ethics: Identify ethical issues and embrace ethical values in conduct of Profession.

**PO-9:** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Express thoughts and ideas effectively in writing and oral communication.

**PO-11:** Project management and finance: Ability to work independently, identify appropriate resources required for a project, and manage a project through to completion.

**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 societal and technological change.

## Program Specific Outcomes (PSOs)

**PSO-1:** Disciplinary knowledge: Capable of demonstrating comprehensive knowledge and understanding of Computer Applications, Animation, Augmented and Virtual Reality, Gaming and Graphics.

**PSO-2:** Problem Solving: Identify, formulate and apply appropriate techniques in the areas related to Software development, Augmented and Virtual Reality, Gaming and Graphics and related domains of varying complexities in real-time applications.

**PSO-3:** Design/development of Activities :Conceive, Design and Develop various activities of Computer Applications, Augmented Reality, Virtual Reality, Gaming and Graphics.

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PRESIDENCY UNIVERSITY Registrar BANGALORE

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate success as a computer professional with innovative skills, having moral and ethical values.

**PEO-2:** Engage in lifelong learning through software development.

**PEO-3:** Serve as a leader in the profession through consultancy, extension activities and/ or entrepreneurship.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# B.Sc. (Data Science)

## Program Outcomes (POs)

**PO-1:** Application of Domain Knowledge: Apply the domain knowledge such as mathematics, science and software engineering fundamentals into the Computer Application related professions.

**PO-2:** Problem Solving and Analysis: Identify, Formulate, Analyse and Solve Complex Scenarios related to Computer Applications.

**PO-3:** Design/development of Activities: Conceive, Design and Develop various activities of Computer Applications.

**PO-4:** Conduct Investigations of Events: Carry out Investigation of an event and draw logical conclusions based on critical thinking and analytical reasoning.

**PO-5:** Modern Tool usage: Effectively apply relevant ICT Tools and digital tools to carry out Computer Application Attributes.

**PO-6:** Research: Identify suitable Research Methods and report the findings.

**PO-7:** Profession and Society: Apply the knowledge of the values and beliefs of multicultural society and a global perspective in the profession.

**PO-8:** Ethics: Identify ethical issues and embrace ethical values in conduct of Profession.

**PO-9:** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**PO-10:** Communication: Express thoughts and ideas effectively in writing and oral communication.

**PO-11:** Project management and finance: Ability to work independently, identify appropriate resources required for a project, and manage a project through to completion.

**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 societal and technological change.

## Program Specific Outcomes (PSOs)

**PSO-1:** Apply the knowledge of mathematics, science, software engineering, structured and object oriented programming concepts to provide efficient solutions.

**PSO-2:** Identify, formulate and apply appropriate techniques in the areas related to machine learning, IoT and data analytics of varying complexities in real-time applications.

**PSO-3:** Apply relevant resources, design and develop Web and Cloud based solutions for real-time applications.

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate as a Professional in Data Science.

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PRESIDENCY UNIVERSITY Registrar BANGALORE

**PEO-2:** A Teaching and Research Professional in the area of Data Science through lifelong learning.

**PEO-3:** A Freelancing consultant to the Data Science Industry.

**PEO-4:** An entrepreneur in Data Science and other related areas of specialization.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# SCHOOL OF LAW

PRESIDENCY UNIVERSITY
BENGALURU

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PRESIDENCY UNIVERSITY ★ Registrar ★ BANGALORE

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REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# BA LL.B. (Hons. )

## Program Outcomes (POs)

**PO-1:** Ability to apply the fundamental concept of Humanities, Commerce and Management to legal problems.

**PO-2:** Ability to develop critical thinking skill.

**PO-3:** Ability to identify, analyze and solve legal problem with professional ethics and integrity.

**PO-4:** Ability to conduct dispute resolution with professional ethics and integrity.

**PO-5:** Ability to draft professional legal writing along with effective oral communication.

**PO-6:** Ability to apply legal theory to factual settings.

**PO-7:** Ability to apply legal theory to engage in legal argumentation.

**PO-8:** Ability to conduct independent legal research specific to the case.

**PO-9:** Ability to conduct client services with necessary usage of technological tools.

**PO-10:** Recognition of the need for engaging in lifelong learning.

**PO-11:** Exhibit social responsibility adhering to ethical and moral values.

**PO-12:** Ability to adapt knowledge of contemporary issues.

**PO-13:** Ability to adapt knowledge of contemporary issues.

## Program Specific Outcomes (PSOs)

**PSO-1:** To develop a background in fundamental areas of Humanities with strong emphasis on Political Theory and Indian Politics.

**PSO-2:** To develop in-depth knowledge and understanding of comparative political thoughts, social and economic dimensions of law and its interface with Indian Legal systems.

**PSO-3:** To develop intellectual rigor as well as more general transferable intellectual skills which are of value in the practice of Law and a wide range of careers.

## Program Educational Objectives (PEOs)

**PEO-1:** PU Law Graduate will have successful academic and research career.

**PEO-2:** PU Law graduates will have professional distinction for leading positions in law firms, corporate legal offices, the judiciary, and national, state, and local government.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# BBA LL.B. (Hons. )

## Program Outcomes (POs)

**PO-1:** Ability to apply the fundamental concept of Humanities, Commerce and Management to legal problems.

**PO-2:** Ability to develop critical thinking skill.

**PO-3:** Ability to identify, analyze and solve legal problem with professional ethics and integrity.

**PO-4:** Ability to conduct dispute resolution with professional ethics and integrity.

**PO-5:** Ability to draft professional legal writing along with effective oral communication.

**PO-6:** Ability to apply legal theory to factual settings.

**PO-7:** Ability to apply legal theory to engage in legal argumentation.

**PO-8:** Ability to conduct independent legal research specific to the case.

**PO-9:** Ability to conduct client services with necessary usage of technological tools.

**PO-10:** Recognition of the need for engaging in lifelong learning.

**PO-11:** Exhibit social responsibility adhering to ethical and moral values.

**PO-12:** Ability to adapt knowledge of contemporary issues.

**PO-13:** Ability to adapt knowledge of contemporary issues.

## Program Specific Outcomes (PSOs)

**PSO-1:** To develop a background in fundamental areas of management.

**PSO-2:** To develop in-depth knowledge and understanding of management, beheverial science and economic dimensions of law and its interface with Indian Legal systems.

**PSO-3:** To develop intellectual rigor as well as more general transferable intellectual skills which are of value in the practice of Law and a wide range of careers.

## Program Educational Objectives (PEOs)

**PEO-1:** PU Law Graduate will have successful career in corporate field.

**PEO-2:** PU Law graduates will have professional distinction for leading positions in law firms, corporate legal offices, the judiciary, and national, state, and local government.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# B.Com LL.B. (Hons. )

## Program Outcomes (POs)

**PO-1:** Ability to apply the fundamental concept of Humanities, Commerce and Management to legal problems.

**PO-2:** Ability to develop critical thinking skill.

**PO-3:** Ability to identify, analyze and solve legal problem with professional ethics and integrity.

**PO-4:** Ability to conduct dispute resolution with professional ethics and integrity.

**PO-5:** Ability to draft professional legal writing along with effective oral communication.

**PO-6:** Ability to apply legal theory to factual settings.

**PO-7:** Ability to apply legal theory to engage in legal argumentation.

**PO-8:** Ability to conduct independent legal research specific to the case.

**PO-9:** Ability to conduct client services with necessary usage of technological tools.

**PO-10:** Recognition of the need for engaging in lifelong learning.

**PO-11:** Exhibit social responsibility adhering to ethical and moral values.

**PO-12:** Ability to adapt knowledge of contemporary issues.

**PO-13:** Ability to adapt knowledge of contemporary issues.

## Program Specific Outcomes (PSOs)

**PSO-1:** To develop a background in fundamental areas of commerce with strong impact on accounting and the corporate governance.

**PSO-2:** To develop in-depth knowledge and understanding of commerce and its economic dimensions of law and its interface with Indian Legal systems.

**PSO-3:** To develop intellectual rigor as well as more general transferable intellectual skills which are of value in the practice of Law and a wide range of careers.

## Program Educational Objectives (PEOs)

**PEO-1:** PU Law Graduate will have successful employment in commerical law.

**PEO-2:** PU Law graduates will have professional distinction for leading positions in law firms, corporate legal offices, the judiciary, and national, state, and local government.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# LL.M. Intellectual Property Rights

## Program Outcomes (POs)

**PO-1:** Impart detailed knowledge in some specific area or areas of the discipline law.

**PO-2:** Ability to inculcate in them highly specialized knowledge and skills relating to those areas to enable them to evaluate and improve the existing knowledge.

**PO-3:** Ability to inculcate research skills to enable them to do research in the area of specialization.

**PO-4:** Enhance their teaching skills in the area of the discipline law.

**PO-5:** Demonstrate quality research skills thereby making original contributions to the discipline of Law.

## Program Specific Outcomes (PSOs)

**PSO-1:** IPR is at the center of economic and social development therefore ordinary lawyers will find it difficult to deal with disputes relating to infringement of IPR, therefore the primary objective is to impart them the knowledge necessary to deal with those cases.

**PSO-2:** To impart interdisciplinary knowledge that is required for the above purpose.

**PSO-3:** To train the students in an acquiring special skills that are necessary to deal with IPR.

## Program Educational Objectives (PEOs)

**PEO-1:** PU Law Graduate will have successful academic and research career.

**PEO-2:** PU Law graduates will have professional distinction for leading positions in law firms, corporate legal offices, the judiciary, and national, state, and local government.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# LL.M. Technological Law

## Program Outcomes (POs)

**PO-1:** Impart detailed knowledge in some specific area or areas of the discipline law.

**PO-2:** Ability to inculcate in them highly specialized knowledge and skills relating to those areas to enable them to evaluate and improve the existing knowledge.

**PO-3:** Ability to inculcate research skills to enable them to do research in the area of specialization.

**PO-4:** Enhance their teaching skills in the area of the discipline law.

**PO-5:** Demonstrate quality research skills thereby making original contributions to the discipline of Law.

## Program Specific Outcomes (PSOs)

**PSO-1:** Technology is at the center of economic and social development therefore ordinary lawyers will find it difficult to deal with disputes relating to infringement of Technology Law, therefore the primary objective is to impart them the knowledge necessary to deal with those cases.

**PSO-2:** To impart interdisciplinary knowledge that is required for the above purpose.

**PSO-3:** To train the students in an acquiring special skills that are necessary to deal with Technology Law.

## Program Educational Objectives (PEOs)

**PEO-1:** PU Law Graduate will have successful academic and research career.

**PEO-2:** PU Law graduates will have professional distinction for leading positions in law firms, corporate legal offices, the judiciary, and national, state, and local government.

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PRESIDENCY UNIVERSITY Registrar BANGALORE

# SCHOOL OF MANAGEMENT

## PG PROGRAMS

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REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# MBA

## Program Outcomes (POs)

**PO-1:** An ability to lead themselves and others to achieve organizational goals contributing effectively to a team environment.

**PO-2:** An ability to integrate functional knowledge and apply managerial skills in changing business environment.

**PO-3:** An ability to identify real life problems in different management functions and solve them through strategic planning, critical thinking and innovation.

**PO-4:** An ability to identify and evaluate business ideas and opportunities.

**PO-5:** An ability to make data driven decisions and effectively communicate to different stakeholders.

**PO-6:** An ability to evaluate and integrate ethical and societal considerations when making business decisions.

**PO-7:** An ability to demonstrate commitment to continuous learning.

## Program Specific Outcomes (PSOs)

**PSO-1:** An ability to apply a significant amount of business administration knowledge in the following domains viz. HR management, Finance, Marketing, Operations & Supply chain management and Business Analytics.

**PSO-2:** An ability to analyze the business problems from different functional perspectives.

**PSO-3:** An ability to make data driven decisions and effectively communicate to different stakeholders.

## Program Educational Objectives (PEOs)

**PEO-1:** Industry ready graduates having high integrity, social responsibility & leadership capabilities.

**PEO-2:** Enhanced with analytical skills and design thinking approach to solve business problems.

**PEO-3:** Able to foster entrepreneurial mindset through creativity and innovation.

**PEO-4:** Enabled graduates to engage in and benifit from lifelong learning.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# MBA (Business Analytics)

## Program Outcomes (POs)

**PO-1:** An ability to lead themselves and others to achieve organizational goals contributing effectively to a team environment.

**PO-2:** An ability to integrate functional knowledge and apply managerial skills in changing business environment.

**PO-3:** An ability to identify real life problems in different management functions and solve them through strategic planning, critical thinking and innovation.

**PO-4:** An ability to identify and evaluate business ideas and opportunities.

**PO-5:** An ability to make data driven decisions and effectively communicate to different stakeholders.

**PO-6:** An ability to evaluate and integrate ethical and societal considerations when making business decisions.

**PO-7:** An ability to demonstrate commitment to continuous learning.

## Program Specific Outcomes (PSOs)

**PSO-1:** An ability to understand and solve business problems using analytical models.

**PSO-2:** An ability to apply relevant analytical techniques to gain business insights and develop business strategies for making better decisions.

**PSO-3:** An ability to communicate technical and non-technical information to different stake holders for the effective implementation of business decisions.

## Program Educational Objectives (PEOs)

**PEO-1:** Industry ready graduates having high integrity, social responsibility & leadership capabilities.

**PEO-2:** Enhanced with analytical skills and design thinking approach to solve business problems.

**PEO-3:** Able to foster entrepreneurial mindset through creativity and innovation.

**PEO-4:** Enabled graduates to engage in and benifit from lifelong learning.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# MBA (E-Business Management)

## Program Outcomes (POs)

**PO-1:** An ability to lead themselves and others to achieve organizational goals contributing effectively to a team environment.

**PO-2:** An ability to integrate functional knowledge and apply managerial skills in changing business environment.

**PO-3:** An ability to identify real life problems in different management functions and solve them through strategic planning, critical thinking and innovation.

**PO-4:** An ability to identify and evaluate business ideas and opportunities.

**PO-5:** An ability to make data driven decisions and effectively communicate to different stakeholders

**PO-6:** An ability to evaluate and integrate ethical and societal considerations when making business decisions.

**PO-7:** An ability to demonstrate commitment to continuous learning.

## Program Specific Outcomes (PSOs)

**PSO-1:** An ability to identify real life problems in digital enterprises and solve them through strategic planning, critical thinking and innovation.

**PSO-2:** An ability to analyze the impact of digitalization, innovation and technology on business.

**PSO-3:** An ability to identify opportunities, acquire resources and develop capabilities to run a digital business.

## Program Educational Objectives (PEOs)

**PEO-1:** Industry ready graduates having high integrity, social responsibility & leadership capabilities.

**PEO-2:** Enhanced with analytical skills and design thinking approach to solve business problems.

**PEO-3:** Able to foster entrepreneurial mindset through creativity and innovation.

**PEO-4:** Enabled graduates to engage in and benifit from lifelong learning.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# MBA (Logistics & Supply Chain Management)

## Program Outcomes (POs)

**PO-1:** An ability to lead themselves and others to achieve organizational goals contributing effectively to a team environment.

**PO-2:** An ability to integrate functional knowledge and apply managerial skills in changing business environment.

**PO-3:** An ability to identify real life problems in different management functions and solve them through strategic planning, critical thinking and innovation.

**PO-4:** An ability to identify and evaluate business ideas and opportunities.

**PO-5:** An ability to make data driven decisions and effectively communicate to different stakeholders.

**PO-6:** An ability to evaluate and integrate ethical and societal considerations when making business decisions.

**PO-7:** An ability to demonstrate commitment to continuous learning.

## Program Specific Outcomes (PSOs)

**PSO-1:** An ability to solve real-life business cases related to logistics network design, warehousing and transportation.

**PSO-2:** An ability to understand how the global economy is linked together by the flow of products, information and finances through the supply chain network.

**PSO-3:** An ability to understand the best Sourcing Practices, Strategic Sourcing and apply techniques to find the right vendors and maintain relationship with vendors.

## Program Educational Objectives (PEOs)

**PEO-1:** Industry ready graduates having high integrity, social responsibility & leadership capabilities.

**PEO-2:** Enhanced with analytical skills and design thinking approach to solve business problems.

**PEO-3:** Able to foster entrepreneurial mindset through creativity and innovation.

**PEO-4:** Enabled graduates to engage in and benifit from lifelong learning.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# MBA (Digital Marketing)

## Program Outcomes (POs)

**PO-1:** An ability to lead themselves and others to achieve organizational goals contributing effectively to a team environment.

**PO-2:** An ability to integrate functional knowledge and apply managerial skills in changing business environment.

**PO-3:** An ability to identify real life problems in different management functions and solve them through strategic planning, critical thinking and innovation.

**PO-4:** An ability to identify and evaluate business ideas and opportunities.

**PO-5:** An ability to make data driven decisions and effectively communicate to different stakeholders.

**PO-6:** An ability to evaluate and integrate ethical and societal considerations when making business decisions.

**PO-7:** An ability to demonstrate commitment to continuous learning.

## Program Specific Outcomes (PSOs)

**PSO-1:** An ability to devise strategies to enhance the visibility of an organization using different digital media and technologies.

**PSO-2:** An ability to unleash the potential of SMAC (Social, Mobile, Analytics and Cloud) in marketing efforts of an organization.

**PSO-3:** An ability to attract, engage and retain customers of an enterprise with the power of digital technologies.

## Program Educational Objectives (PEOs)

**PEO-1:** Industry ready graduates having high integrity, social responsibility & leadership capabilities.

**PEO-2:** Enhanced with analytical skills and design thinking approach to solve business problems.

**PEO-3:** Able to foster entrepreneurial mindset through creativity and innovation.

**PEO-4:** Enabled graduates to engage in and benifit from lifelong learning.

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PRESIDENCY UNIVERSITY Registrar BANGALORE

# SCHOOL OF MEDIA STUDIES

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# BA. Journalism and Mass Communication

## Program Outcomes (POs)

**PO-1:** Disciplinary Knowledge: Acquiring knowledge of different dimensions of communication, and historical perspectives and presenting the events or news within the ethical framework to the masses.

**PO-2:** Understanding the Role of the Press: The press in a democratic society, the importance of freedom of the press and its limitations.

**PO-3:** Influential and effective communication: Ability to share thoughts, ideas and applied skills of communication in its various perspectives like written communication, speech communication & language efficiency.

**PO-4:** Critical/ Reflective thinking: Employ critical and reflective thinking along with the ability to create a sense of awareness of self and society.

**PO-5:** Ethical Awareness: As a communication learner, one understands the importance of ethical values and their application in professional life.

**PO-6:** Skilled and Industry-ready Professionals: Strengthening the abilities of a learner by skills, and knowledge of the present scenario of the M & E industry including advertising, public relations, corporate communication, digital communication & media management.

**PO-7:** Technologically Efficient Professional: Capability to use various communication technologies and ability to use various software for content creation, and content editing for various forms of publishing platforms.

**PO-8:** Research-related Skills: A sense of inquiry and investigation for raising relevant and contemporary questions, synthesizing and articulating

**PO-9:** Cooperation/ Team work: Building a team, motivating and inspiring the team members to work with cooperation to their utmost efficiency.

**PO-10:** Leadership readiness/ Qualities: To make learners fluent in multiple facets of leadership. Creating the ability to take ownership in crucial situations. Enhancing the qualities to be an efficient leader. Cultivating key characteristics in learners is to be visionary leaders who can inspire the team to greatness.

**PO-11:** Lifelong Learning: Every learner consistently updates oneself with current knowledge, skills and technologies. Acquiring Knowledge and creating the understanding in learners that learning will continue throughout life.

## Program Specific Outcomes (PSOs)

**PSO-1:** Exhibit a sound understanding and knowledge of Journalism and Mass Communication.

**PSO-2:** Display the competence to explore career opportunities as per the demands and requirements of the Media Industry.

**PSO-3:** Think critically, and creatively, and demonstrate curiosity to discover new horizons in Journalism and Mass Communication.

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PRESIDENCY UNIVERSITY Registrar BANGALORE

## Program Educational Objectives (PEOs)

**PEO-1:** Understand the nature and basic concepts of communication, journalism, advertising, corporate communication, electronic media, new media and communication research.

**PEO-2:** Analyse the contemporary media scenario in association with the socio-political environment in India and its relationship with other nations.

**PEO-3:** Perform activities in the production of audio-visual programs, use of software in print media and web designing which includes field activities reporting, editing and designing journals.

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# SCHOOL OF MANAGEMENT

## UG PROGRAMS

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PRESIDENCY UNIVERSITY Registrar BANGALORE

# BBA (Bachelor of Business Administration)

## Program Outcomes (POs)

**PO-1:** An ability to integrate functional knowledge and apply managerial skills in improving business environment.

**PO-2:** An ability to identify various management function problems in different management functions and solve through strategic planning, critical thinking and innovation.

**PO-3:** An ability to effectively communicate with different stakeholders.

**PO-4:** An ability to realize and follow professional and ethical principles.

**PO-5:** An ability to demonstrate commitment to continuous learning.

**PO-6:** An ability to function in multidisciplinary teams.

**PO-7:** An ability and desire to go for higher education in business administration.

## Program Specific Outcomes (PSOs)

**PSO-1:** An ability to apply a significant amount of knowledge in the domains like HR management, Marketing, Supply chain & Logistics management and Business Analytics.

**PSO-2:** An ability support their family business.

**PSO-3:** An ability to start a new entrepreneurial journey.

## Program Educational Objectives (PEOs)

**PEO-1:** Demonstrate innovative skills, moral ethical values as successful business administrator.

**PEO-2:** Engage in lifelong learning through higher studies and professional development.

**PEO-3:** Serve the society as creative and effective entrepreneur.

# BBA (Aviation Management)

## Program Outcomes (POs)

**PO-1:** An ability to acquire knowledge and skills in the field of aviation management.

**PO-2:** An ability to apply the managerial skills for effective aviation management.

**PO-3:** An ability to acquire employability skills through the practical awareness in airport and aircrafts on aviation management.

**PO-4:** Develop legal and ethical values for management and operation of aviation activities.

**PO-5:** An ability to realize and follow professional and ethical principles.

**PO-6:** An ability to demonstrate commitment to continuous learning.

**PO-7:** An ability to function in multidisciplinary teams.

## Program Specific Outcomes (PSOs)

**PSO-1:** Ability to apply the concept of aviation management principles

**PSO-2:** Understand the management skills through internship training.

**PSO-3:** Demonstrate critical thinking skills in understanding managerial issues and problems related to the global economy and international business in aviation and allied industries.

## Program Educational Objectives (PEOs)

**PEO-1:** Expertise in the areas of airport operations with interpersonal skills, entrepreneurship, and marketing.

**PEO-2:** Equipped with the tools to recognize and deal with problems in aviation industry using their managerial skills.

**PEO-3:** Be skilled professionals for the aviation sector and allied fields of travel and tourism.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# BBA (Business Analytics)

## Program Outcomes (POs)

**PO-1:** An ability to acquire knowledge and skills in the field of Business Analytics.

**PO-2:** An ability to apply the managerial skills in the domain of Business Analytics.

**PO-3:** An ability to acquire employability skills in the field of Business Analytics Industry.

**PO-4:** Develop technical programs for Business Analytics activities.

**PO-5:** An ability to realize and follow professional and ethical principles.

**PO-6:** An ability to demonstrate commitment to continuous learning.

**PO-7:** An ability to function in multidisciplinary teams.

## Program Specific Outcomes (PSOs)

**PSO-1:** An ability to apply the managerial skills in the domain of Business Analytics.

**PSO-2:** An ability to acquire employability skills in the field of Business Analytics Industry.

**PSO-3:** Develop technical programs for Business Analytics activities.

## Program Educational Objectives (PEOs)

**PEO-1:** Expertise in the areas of Business Analytics with interpersonal skills, entrepreneurship, and Industry 4.0 era.

**PEO-2:** Equipped with the tools to recognize and deal with problems in technology driven industries using their managerial skills.

**PEO-3:** Engage in lifelong learning through higher studies and professional development.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# BBA (Digital Marketing)

## Program Outcomes (POs)

**PO-1:** An ability to acquire knowledge and skills in the field of Digital Marketing.

**PO-2:** An ability to apply the managerial skills in the domain of Digital Marketing.

**PO-3:** An ability to acquire employability skills through the practical awareness in Digital Marketing Industry.

**PO-4:** Develop tools and techniques to facilitate Digital Marketing activities.

**PO-5:** An ability to realize and follow professional and ethical principles.

**PO-6:** An ability to demonstrate commitment to continuous learning.

**PO-7:** An ability to function in multidisciplinary teams.

## Program Specific Outcomes (PSOs)

**PSO-1:** An ability to apply the managerial skills in the domain of Digital Marketing.

**PSO-2:** An ability to acquire employability skills through the practical awareness in Digital Marketing Industry.

**PSO-3:** Develop tools and techniques to facilitate Digital Marketing activities.

## Program Educational Objectives (PEOs)

**PEO-1:** Expertise in the areas of Digital Marketing with interpersonal skills, entrepreneurship, and marketing.

**PEO-2:** Equipped with the tools to recognize and deal with problems in the areas of marketing using their managerial skills.

**PEO-3:** Engage in lifelong learning through higher studies and professional development.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# BBA (E-Commerce and Supply Chain Management)

## Program Outcomes (POs)

**PO-1:** An ability to acquire knowledge and skills in the field of E-Commerce and SCM.

**PO-2:** An ability to apply the managerial skills in the domain of E-Commerce and SCM.

**PO-3:** An ability to acquire employability skills through the practical awareness in E-Commerce and SCM Industry.

**PO-4:** Develop tools and techniques to facilitate E-Commerce and SCM activities.

**PO-5:** An ability to realize and follow professional and ethical principles.

**PO-6:** An ability to demonstrate commitment to continuous learning.

**PO-7:** An ability to function in multidisciplinary teams.

## Program Specific Outcomes (PSOs)

**PSO-1:** An ability to apply the managerial skills in the domain of E-Commerce and SCM.

**PSO-2:** An ability to acquire employability skills through the practical awareness in E-Commerce and SCM Industry.

**PSO-3:** Develop tools and techniques to facilitate E-Commerce and SCM activities.

## Program Educational Objectives (PEOs)

**PEO-1:** Expertise in the areas of E-Commerce and SCM with interpersonal skills, entrepreneurship, and marketing.

**PEO-2:** Equipped with the tools to recognize and deal with problems in the areas of E-Commerce and SCM industry using their managerial skills.

**PEO-3:** Engage in lifelong learning through higher studies and professional development.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

# BBA (Financial Technology)

## Program Outcomes (POs)

**PO-1:** An ability to acquire knowledge and skills in the field of Financial Technology.

**PO-2:** An ability to apply the managerial skills in the domain of Financial Technology.

**PO-3:** An ability to acquire employability skills through the practical awareness in Financial Technology Industry.

**PO-4:** Develop tools and techniques to facilitate Financial Technology activities.

**PO-5:** An ability to realize and follow professional and ethical principles.

**PO-6:** An ability to demonstrate commitment to continuous learning.

**PO-7:** An ability to function in multidisciplinary teams.

## Program Specific Outcomes (PSOs)

**PSO-1:** An ability to apply the managerial skills in the domain of Financial Technology.

**PSO-2:** An ability to acquire employability skills through the practical awareness in Financial Technology Industry.

**PSO-3:** Develop tools and techniques to facilitate Financial Technology activities.

## Program Educational Objectives (PEOs)

**PEO-1:** Expertise in the areas of Financial Technology with interpersonal skills, entrepreneurship and finance.

**PEO-2:** Equipped with the tools to recognize and deal with problems in the areas of Financial Technology using their managerial skills.

**PEO-3:** Engage in lifelong learning through higher studies and professional development.

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