Helpline - **Voice call: 080 66 91 91 80**

ENGINEERS WITH SOCIAL RESPONSIBILITY

(/)

M.Sc. (IT)

Program Overview ▶

Courses

The Master of Science (Information Technology) is an intensive two year post-graduate program (4 semesters) designed for students who wish to pursue a professional career in Information Technology. The courses are carefully designed to guide the students through basic concepts to the current practices in industry. Hands-on Laboratory experience is emphasized at every stage of the Program. In the last semester, the students are required to carry out an industry internship. At the end of the program, it is expected that the students attain a sound theoretical foundation; an ability to analyze, conceptualize and design systems; and competence in modern software design and development tools. A typical graduate in IT at DA-IICT can expect to build a career as a software engineer, an analyst or a system designer.

Programme Outcomes (POs)

PO No.	Program Outcomes
PO1	**Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering

	specialization to the solution of complex engineering problems.
PO2	**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
PO3	**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.
PO4	**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.
PO5	**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.
PO6	**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.
PO7	**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.
PO8	**Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9	**Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	**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.
PO11	**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.
PO12	**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.

Programme Specific Outcomes (PSOs)

After successful completion of the M.Sc. (IT) program students will have:

PSO No.	Program Specific Outcomes (PSOs)
PSO1	To apply the theoretical concepts of information technology and practical knowledge in analysis, design and development of computing systems and interdisciplinary applications.
PSO2	To work as a socially responsible professional by applying IT principles in real-world problems.

Program Outcomes (POs) & Course Outcomes (COs) of The Program (https://www.daiict.ac.in/sites/default/files/other-files/POs-PSOs-COs_ver2.pdf)

> Syllabus of The Program
> (https://www.daiict.ac.in/sites/default/files/other-
> files/Syllabus.pdf)

Contact Us

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> **Theses and Reports (http://drsr.daiict.ac.in/?
> _ga=2.130260111.1433813450.1626670925-1636196074.1626670925)**

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People

> **Faculty (/faculty)**

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NAAC

> **SSR & Evaluative Reports Addendum 2017** 📄 **(/sites/default/files/NAAC-
> Addendum-final.pdf)**

> **SSR 2015** 📄 **(/sites/default/files/NAAC-Self-Study-Report.pdf)**

> **Evaluative Report 2015** 📄 **(/sites/default/files/NAAC-Evaluative-Report.pdf)**

CoE, Government of Gujarat

> **Application submitted (/coe-government-gujarat)**

> **Audited Accounts (/coe-government-gujarat)**

> **Meeting of the Governing Bodies (/coe-government-gujarat)**

NIRF

> **INDIA Ranking 2023 DCS Submitted (/nirf-national-institutional-ranking-framework)**

Other Links

> **Prof. S.C. Sahasrabudhe - A Memoir (https://www.daiict.ac.in/prof-sc-sahasrabudhe-memoir)**

> **Holidays 2023** 📄 **(/sites/default/files/other-files/Holidays2023.pdf)**

> **Ecampus** ⬈ **(https://ecampus.daiict.ac.in/webapp/intranet/index.jsp)**

> **Intranet** ⬈ **(http://intranet.daiict.ac.in/)**

> **Courses** ⬈ **(https://moodle.daiict.ac.in/)**

> **Capacity Development and Skills Enhancement Initiatives (/capacity-development-and-skills-enhancement-initiatives)**

> **Parents (/parents)**

> **CEP (cep)**

> **DCEI** ⬈ **(http://ceid.daiict.ac.in/)**

> **Proforma for Inspection by UGC** 📄 **(/sites/default/files/UGCproforma_30Dec2015.pdf)**

> **Committees** ⬈ **(https://www.daiict.ac.in/committees)**

> **Anti-Ragging Committee** 📄 **(/sites/default/files/other-files/Anti-Ragging_Vigilance-Committee_Faculty-and-Staff_2022-23.pdf)**

> **DA-IICT Lecture Series (/da-iict-lecture-series-dls)**

> **Synapse** ⬈ **(https://instagram.com/synapsedaiict)**

> **Concours** ⬈ **(http://concours.daiict.ac.in/)**

> **Tree Survey (/tree-survey)**

Group Website

------------ Group Websites ------------ ⇕

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