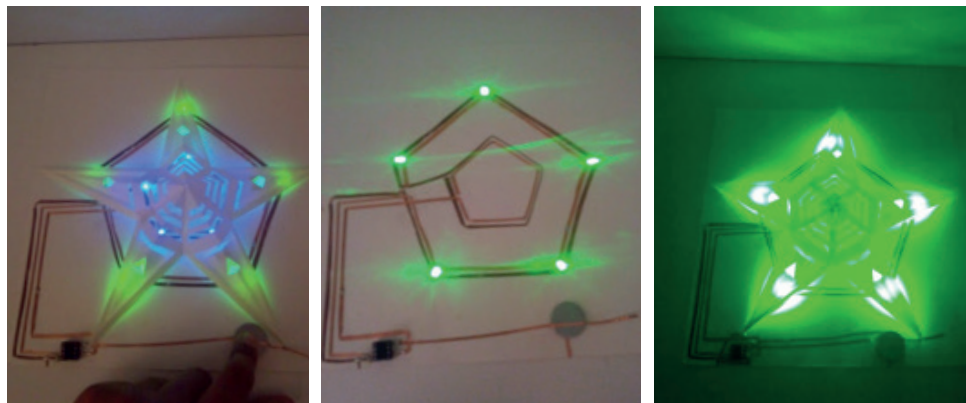
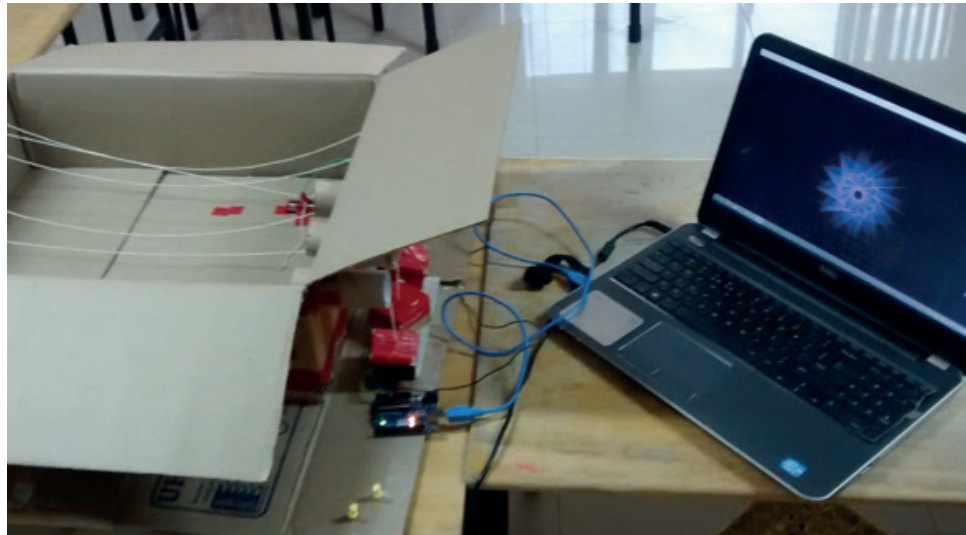


UPON SUCCESSFUL COMPLETION OF THIS COURSE GRADUATES WILL HAVE DEVELOPED THE FOLLOWING CAPABILITIES:

- » Identify ways in which processes can be represented using parameters and manipulate these algorithmically using computational tools
- » Learn emerging technologies and frameworks using online resources and documentation, and use them to build applications
- » Manipulate and represent media and data to gain insights into their structure
- » Build, customise or extend tools to execute specialised tasks
- » Combine the physical and digital using hardware and code to make objects capable to communicating and behaving in new ways
- » Apply computation in diverse contexts to add insight and value
- » Verify by testing that applications work as intended and find cases that they may fail in



SRISHTI MANIPAL
INSTITUTE OF ART, DESIGN
AND TECHNOLOGY
(A Constituent Unit of MAHE, Manipal)



4 Years | Undergraduate Professional Program | Bachelor of Design

B.Des. in Creative and Applied Computation



FOR FURTHER INFORMATION

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For more information on the programs and courses

www.srishtimanipalinstitute.in
Help Desk: +919071784747 Direct: +91 80 24497101 / 02
admissions@srishtimanipalinstitute.in



CREATIVE AND APPLIED COMPUTATION

Creative people have always manipulated materials to make interesting and engaging objects and artefacts. Extending the notion of material to include intangibles like computation leads to very different types of objects.

The underlying computational principles are invariant and remain similar, while the objects built using computation as an ingredient cover a wide spectrum. Some of these are installations that interact, toys that intrigue and puzzle, apps that react based on the user's situation, health products that talk to an expert system and narratives that evolve.

ELIGIBILITY

As per AICTE guidelines published on the admissions page of the Srishti Manipal website.

MEDIUM OF INSTRUCTION

English (All our transactions and transcripts will be in English).

DURATION

8 semesters (4 years); must be completed within 6 years from the start of the course of study.

MAJOR AND MINOR

Navigation for students under the CBCS is provided through the choice of an academic major and minors. In addition to this, there is a choice of open electives, through General Studies and Interim.

An Academic Major typically consists of a Core Curriculum, with prescribed units of study. The Core Curriculum may comprise of the disciplinary studios listed below, which are indicative and not exhaustive. The choice of learning units taken as an academic major may also include similar disciplinary studios chosen from those listed on the prospectus of other specialised courses.

An Academic Minor is a student's second disciplinary choice and has its own prescribed units of study. A minor is chosen from learning units offered as prescribed as chosen from an interdisciplinary studies cluster other than the one in which their course is located.

CURRICULUM COMPONENTS	SEMESTER
Generic Skills	1, 2
Contextual Enquiry	1, 2
Performance of Understanding	1, 2
Disciplinary Studios	3, 4, 5, 6
Design Charette	3, 4, 5, 6
Internship	Between 6 & 7
Project	7
Term Paper	7
Thesis	8
Exhibition	8
Open Electives	1, 2, 3, 4, 5, 6
Workshops	1, 2, 3, 4, 5, 6, 7
General Studies	1, 2, 3, 4, 5, 6, 7
Ability & Skill Enhancement Courses	1, 2, 3, 4, 5, 6
Co-Curricular Activities	1, 2, 3, 4, 5, 6

DESCRIPTION OF CURRICULUM COMPONENTS

FOUNDATION STUDIES introduces students to basic principles and tools of Art and Design through contextual studies and hands-on learning and is common to all courses.

DISCIPLINARY STUDIOS are learning spaces where students develop core disciplinary skills and knowledge, while navigating in a trans-disciplinary environment.

WORKSHOPS provide intense learning experiences in making and doing, across the different disciplines.

GENERAL STUDIES are designed to develop and broaden one's world view and sharpen critical thinking and communication skills.

ELECTIVES allow students to expand their skills, develop interests and provide opportunities for travel and exchange.

ABILITY & SKILL ENHANCEMENT COURSES (AEC), (SEC) include learning units that enable enrichment of knowledge specific to a discipline, or are skill-based and provide hands-on-training and competencies.

CHARETTES are end of semester challenges that allow students to apply their learning from the studios and workshops to participate in brief-driven, quick-fire design assignments.

INTERIM is an open elective that encourages exploration through an open-ended framework for learning by engaging with artistic practices. Contemporary artists are invited from all over the world to lead place-based projects.

INTERNSHIP in an art or design studio/ organization / industry provides students an opportunity to refine and apply their learning in a professional environment.

TERM PAPER allows the integration of theory and reflection with practice or artefact creation.

PROJECT involves the application, synthesis and demonstration of capabilities acquired, and is a qualifier to the thesis.

THESIS PROJECT in the final year is the synthesis and demonstration of capabilities acquired. The first semester includes a qualifying research project; the second a Final Thesis project which is interdisciplinary, within a current context.

CO-CURRICULAR ACTIVITIES provide opportunities for students to stay healthy as well as broaden their talents in various activities.

CURRICULUM COMPONENTS

(This list may be amended and is listed here as indicative of the program of study)

SEMESTER 1 & 2 ODD & EVEN

FOUNDATION STUDIES
(Common and Compulsory to All Specialisations)
Studio
Generic Skills
Contextual Enquiry
General Studies
Interim (Learning Expeditions)

**SEMESTER 3 - ODD
DISCIPLINARY STUDIOS**
Studio
Workshops

**SEMESTER 4 - EVEN
OPEN ELECTIVE - INTERIM
DISCIPLINARY STUDIOS**
Studio
Workshops

**SEMESTER 5 - ODD
DISCIPLINARY STUDIOS**
Studio
Workshops

**SEMESTER 6 - EVEN
OPEN ELECTIVE - INTERIM
DISCIPLINARY STUDIOS**
Studio
Workshops

**SEMESTER 7 - ODD
PRE-THESIS PROJECT
TERM PAPER**

**SEMESTER 8 - EVEN
THESIS PROJECT
EXHIBITION**