



She-ViL STEM

presented by
IViL, IIT Madras

ABOUT US

IIT Madras

IIT Madras is one of the top institutes in India for higher education in technology and research.

IViL - IIT for Villages

IViL- IIT for Villages is a student group in IIT Madras that serves the dual role of a discussion forum and an action platform. The students discuss, deliberate and act upon meaningful and socially impactful ideas like rural education, agriculture & technology and women empowerment.

She-ViL STEM

She-ViL STEM is an initiative by IViL to inspire and motivate rural girl school students to pursue careers in stem fields. When we look into the STEM field, it is evident that women's participation is low, especially in rural areas. This project tries to bridge this gap by fueling school-going girls with proper knowledge and exposure.

Every year, selected rural girl students of class 8 and 9 will get an opportunity to get hands-on and theoretical learning experience through workshops, CFI sessions, and hi-tech labs in the IIT Madras campus.

Each girl student is also provided with guidance by women faculty of IITM and one on one mentorship by women students of IITM, who will guide them regarding career paths and academic opportunities.

During the program, the accommodation and food will be arranged in the IITM campus. Travel costs will be also reimbursed.

PLAN

Winter Session

Day 1

Inauguration



Students, along with their parents interact with women faculty of IITM. Information about scholarships and exams for higher studies. Students introduced to their mentors through icebreaker activities.

Day 2 & 3

Women faculty interaction

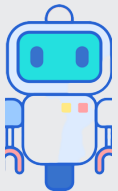


Interactive session with the women faculty members about their field and career opportunities in STEM.

Lab Sessions



The students will visit a few labs of IITM and the research scholars will explain the projects ongoing in the labs.



CFI Session

Students will get an opportunity to visit the CFI workspace and get to know a few ongoing projects in 3-D printing, i-Bot, aerospace, etc. which work with current day's research and development.



Workshop Hands-on session

Hands-on training in the central workshop of IIT madras for practical knowledge and implementation.



Mentor-Mentee Interaction

The students will interact with their mentors regarding the sessions they attended and about their areas of interest in science. Mentors will streamline



Campus Tour

Nature Walk in IITM Campus to explore other facilities of the institute.

Summer Session



Personality Development sessions

Sessions aimed to develop the essential skills for a career in STEM such as effective communication, presentation and collaboration skills and to increase self confidence.



Computer Education Session

Sessions aimed to enhance their knowledge about computers and the internet and their applications. Sessions include teaching tools like MS Word, Excel, Powerpoint presentation, and Basics of OS.



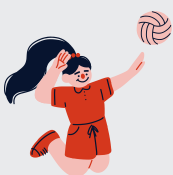
CFI Hands on session

In order for the students to experience of converting an idea to a product, the technical clubs of CFI will conduct hands-on activities for the students where they will build a product on their own.



Case Study Competition

Students will be divided into small groups and are required to come up with a problem statement and solution on their own. using the skills they have learnt i.e., presentation skills, computer knowledge, etc.



Sports/Culturals

_Based on their interest the students will be trained in a sport/ cultural activity for 15 days. The students will be encouraged to continue pursuing it even after the program.

FINAL NOTE

Through these sessions we aim to bring about multidimensional development in the students.

Looking forward to your active participation!

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IIT-Madras