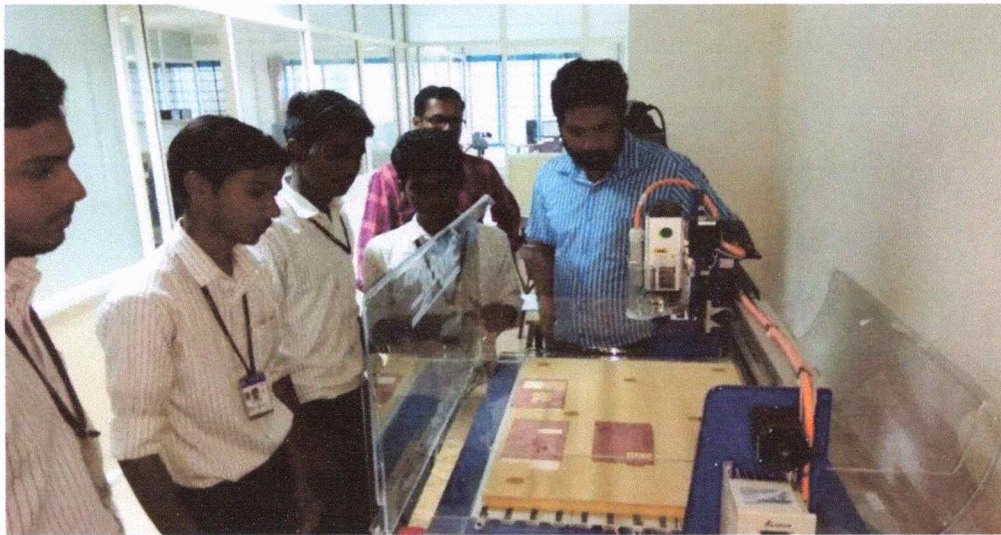


Familiarization of Fab Lab Equipment

A series of basic training sessions in FAB lab is offered to the first year students of all departments. The aim is to train students on how to use the vast range of resources in a safe and response manner. Students receive instruction and hands-on training in specialized software and equipment used in the Fab Lab. Students learn about 3D printers, CNC routers, and laser cutters, along with the software needed for programming the equipment, and materials that may be used. During these sessions, they will discover how to operate each machine, while understanding their capabilities, limitations, and the objects they can create.

Apart from these training sessions, the Fab Lab also organizes other workshops and seminars, focused on more specific techniques and materials, such as ceramics, 3D printing, silicone and resin casting, and wood joinery. In these, participants can experience the materials first hand, and try out techniques to apply in their own future projects.



Students Familiarising FAB Lab Equipment

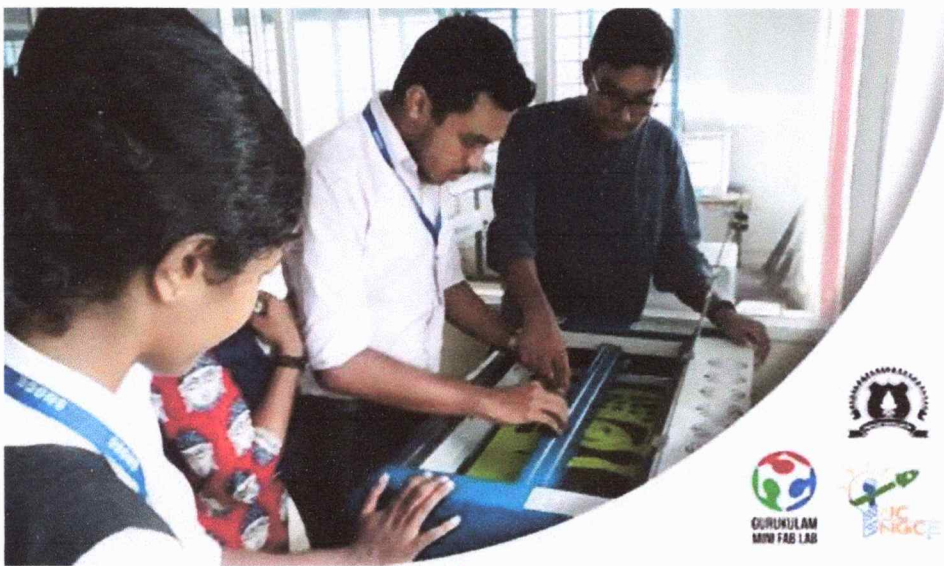


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Workshops & Trainings

Introduction to Digital Fabrication

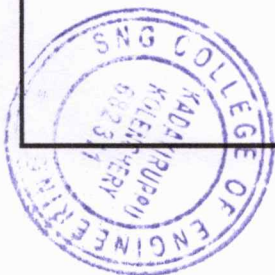
Mini fab labs act as a medium for connecting to a global community of learners, educators, technologists, researchers and innovators – essentially becoming a self-sustaining global knowledge sharing network. In view of spreading the art of Digital Fabrication, [IEDC_SNGCE](#) coordinated an Introduction to Digital Fabrication workshop in SNGCE Mini FAB Lab. The workshop designed to have an overview of all the rapid prototyping capabilities of Fab facility i.e. 3D printing, laser cutting, screen printing, designing, etc. The series of workshops was conducted from 16th to 30th March 2019. Ten students have been trained.



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Fab Lab Training Programme

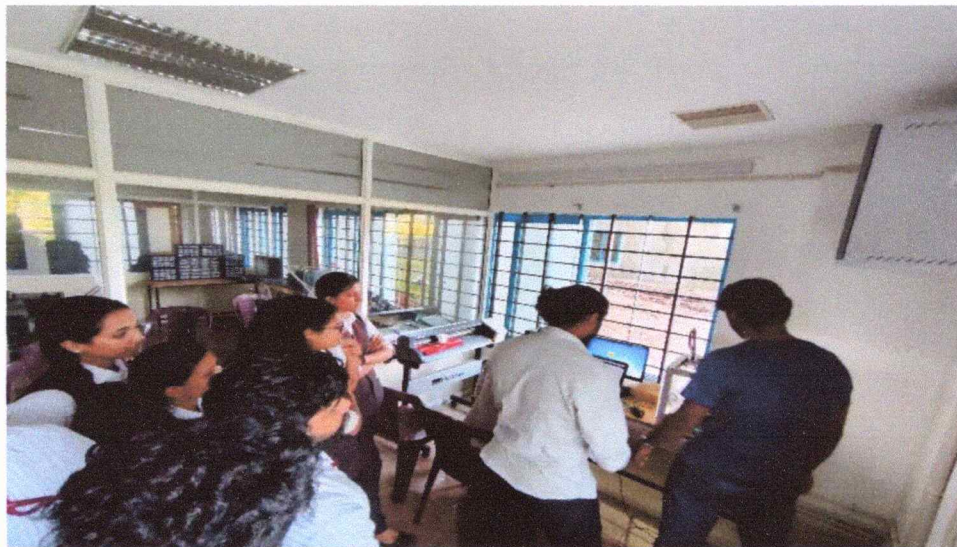
A training programme for +2 and higher secondary students in Fab Lab. Students from Govt. Boys school, Tripunithuira ,GOVT HSS, Kadayiruppu, St Josephs Kizhakkambalam, St. Peters HSS, Kolenchery,Nirmala Public School, Muvattupuzha



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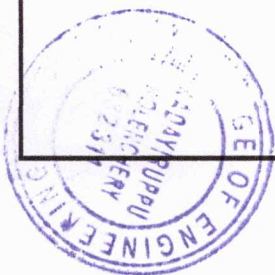
3D Printing And Laser Cutting Workshop

A one day work shop coordinated to provide training in 3D Printing and Laser cutting. 30 students from various B.Tech classes participated. Outsourced the expertise of Mr. Nirmal Viju, a young student turned Entrepreneur.



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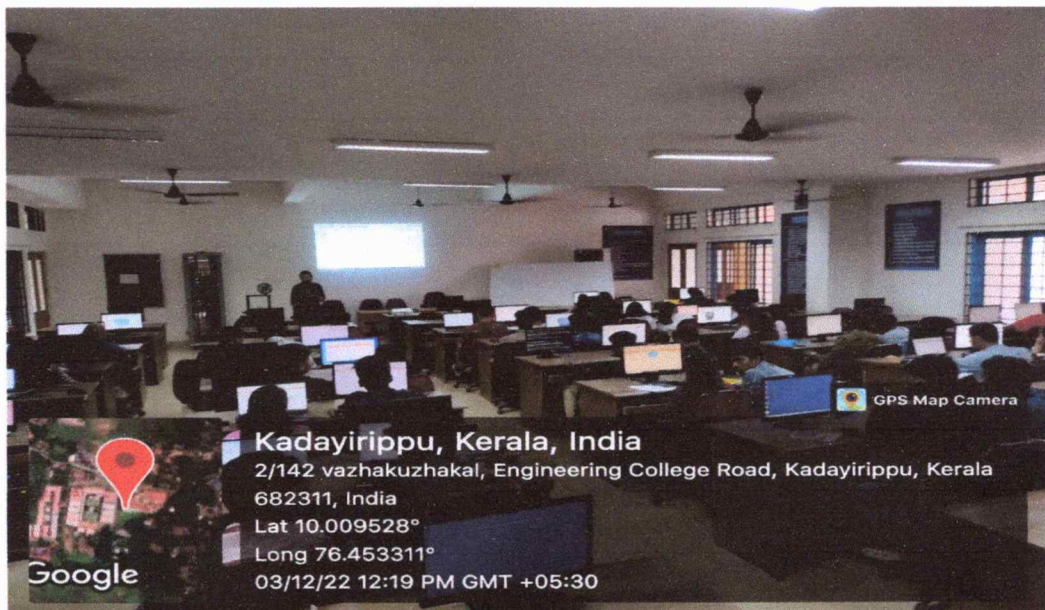
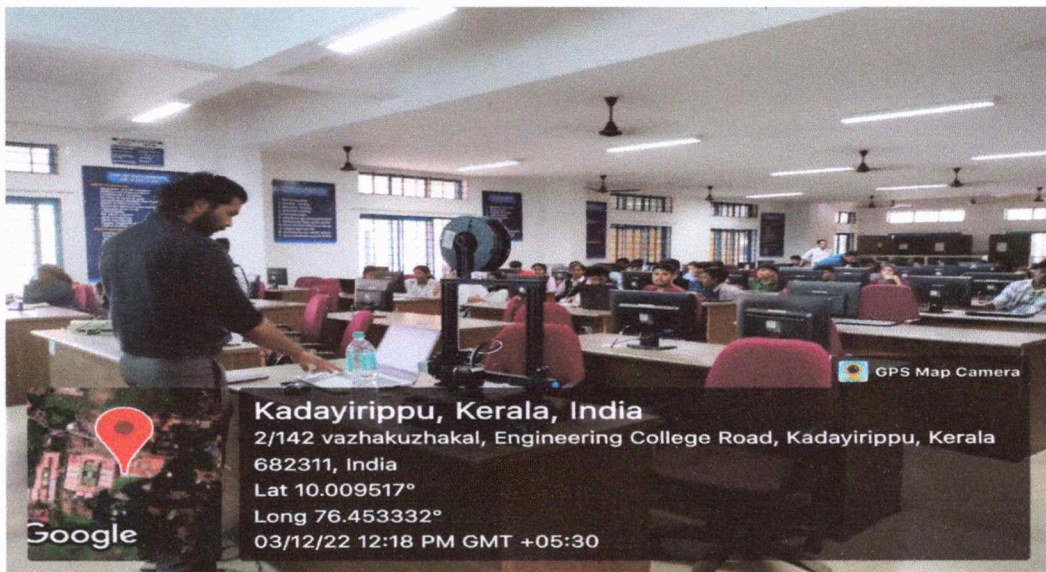
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3D Printing Workshop

It was a practical hands on workshop on 3D printing. Sinro Robotics was geared up to ignite a riveting workshop. Section was handled by Jithin and Shyam Kumar of Sinro Robotics.

The event was held on 3rd December 2022 at EC Systems lab. 53 students participated in the workshop. It was a full day session. The workshop was coordinated by Naveen, Sreejith, Vishnu, Justin, Sibil, Govind and Keerthana.



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