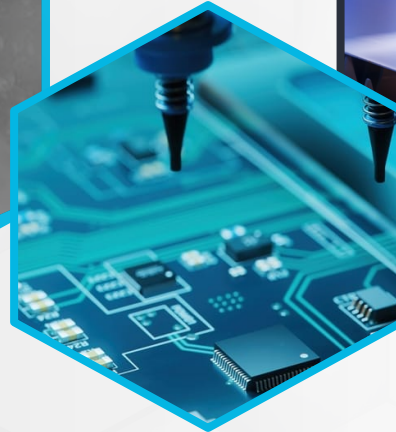
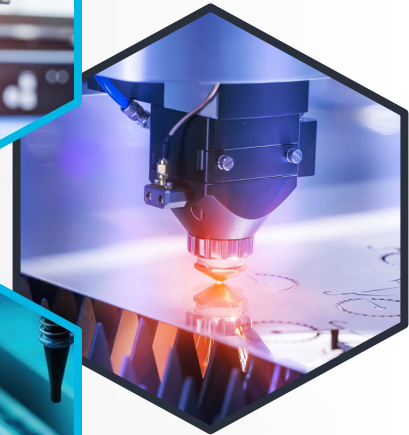




K.S.RANGASAMY
COLLEGE OF TECHNOLOGY
 (Autonomous) | Tiruchengode

AICTE IDEA LAB



AICTE IDEA LAB

KSRTC - AICTE IDEA Lab is established to encourage the students to apply **Science, Technology Engineering and Mathematics (STEM)** fundamentals towards enhanced hands-on experience, learning by doing and also to work on development of innovative solutions for societal challenges.

IDEA Lab makes engineering graduates more imaginative and creative, besides getting basic training in the 21st century skills like-critical thinking, problem solving, design thinking, collaboration, communication, lifelong learning etc. IDEA Lab is 24x7 operating lab and it is fully equipped with facilities, tools and consumables to support **translation of an idea to prototype.**

Support Services



Training



Seed Fund



Product Development



Mentoring



Incubation



Commercialization



Networking



Start-up



Marketing



Consultancy



IPR

IDEA
DEVELOPMENT
EVALUATION
APPLICATION
LAB

Open Day Visit: All Friday, Saturday & Sunday*

* Pre-booking is Mandatory



Total Area: 12,215 sq. ft.

Systems & Workstation

Make: Lenovo | Model: Thinkstation
Configuration: i7 | 12th Gen | 16GB RAM | 4 GB Graphics
Software: Fusion 360, KiCad, MathWorks, LabVIEW & many more...



3D Printer



Make: CreatBot Model: D 600 Pro | Build Volume: 600 mm³
Material: Carbon Fiber, Nylon, ABS, PLA, PTEG, etc.,
Purpose: Printing solid 3D CAD model

3D Scanner

Make: SHINING 3D Model: EinScan Pro Plus 2X
Scan Speed: 30 fps | Accuracy: 0.04 mm
Purpose: Creating 3D CAD model of a physical object



CNC Wood Router



Make: EasyTech CNC Model: ET8X4 SERVO PCPTR
Working area: 2440x1220 mm | Material: Wood, Al, Cu
Purpose: Cutting, engraving and carving woods

CNC Plasma Cutter

Make: EasyTech CNC Model: ET8X4 PL CNC
Working area: 2440x1220 mm | Max. Piercing: 18mm
Purpose: Cutting stainless steel plates



PCB Prototype Machine



Make: Entho Technology Model: PCBMATE-300W
Working area: 220x330x120 mm | Resolution: 3.125 µm
Purpose: Engraving, Drilling and masking PCB boards

CO₂ Laser Cutter

Make: Lakshmi International Model: SPL07
Working area: 1200x900 mm | Power: 130W
Purpose: Cutting and engraving acrylic sheets



TIG & MIG Welding Machine



TIG Make: KEMPPI Model: Minarc Tig 200 Evo MLP
MIG Make: KEMPPI Model: X3-400
Purpose: Welding stainless steel & non-ferrous metals