ABOUT IDEA LAB
(IDEA DEVELOPMENT, EVALUATION & APPLICATION LAB)

ON THE IDEA LAB:
Guru Nanak Institutions Technical Campus has established IDEA (Idea Development, Evaluation & Application) Lab with the grant-in-aid of AICTE and co-funded by the institution, in 2021. The primary aim of IDEA Lab is to encourage the students for application of Science, Technology, Engineering and Mathematics (STEM) fundamentals towards enhanced hands-on experience and learning by practice and real action. The IDEA lab can be an apt platform for the students to apply the fundamentals of Science and Engineering and come up with creative and imaginative ideas to significantly ameliorate an existing product, process or service.

FUSION WITH VISION:
“Transforming India into a digitally empowered society and knowledge economy”, being the vision of Digital India, the IDEA lab can provide opportunities that help the students to “Engage, Explore, Experience, articulate and Excel” in their area of specialization to solidly bolster “Atma Nirbhar Bharat” mission. This innovative stimulation in technical education would usher in qualitative change to the engineering graduates to be more inventive and creative, besides acquiring essential virtues in critical thinking, problem-solving, out of the box thinking, collaboration, communication etc.

WORKING DYNAMICS & IDEOLOGY :
The facility is extensively used for the purposes of projects, internships, clubs and hobbies, competitions and will be introduced to the students during the Induction Programme.

More over faculty members can get an opportunity to participate in workshops/seminars on recent developments in different technologies by enhancing their skills in IDEA lab

IDEA lab can assist the institution in the realization of the “Technology Vision 2035” which emphasizes on the significance of Technology in the service of India. IDEA lab focuses on ICT Based innovations in different sectors such as food & agriculture, healthcare, electronics & communications, telecommunications, road transportation, engineering industries, materials & processes, advanced sensors and services.

The IDEA lab aligns with the vision of “Make in India” initiative of Government of India. The IDEA lab will promote and help to bring balance between social, economic and environmental sustainability.

FACILITATION:
IDEA lab, with the integration of existing labs (Robotics, IoT, NDT, Thermal Engg, CAD Lab etc..) in the institution, facilitates the engineering graduates to dig in with instant data in boosting productivity, improve processes, and drive growth. Also this combination of labs facilitates a more comprehensive, interlinked, and holistic approach to manufacturing and promote digital convergence between industry, businesses and other progressions. The collation of physical with digitalization allows for better collaboration and access across departments, partners, vendors, products, and people.

FINANCIAL PORTRAAYAL:
Institution has plans to augment the capacity, building/skill- development programs in to a revenue generation model. With funding & support from relevant agencies for sustenance of IDEA lab, it is ordained to flourish much beyond the initially perceived two years.

IDEA LAB IS OPEN FOR 24 X 7 FOR STUDENTS AND FACULTY FOR EXECUTION OF THE PROJECTS

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