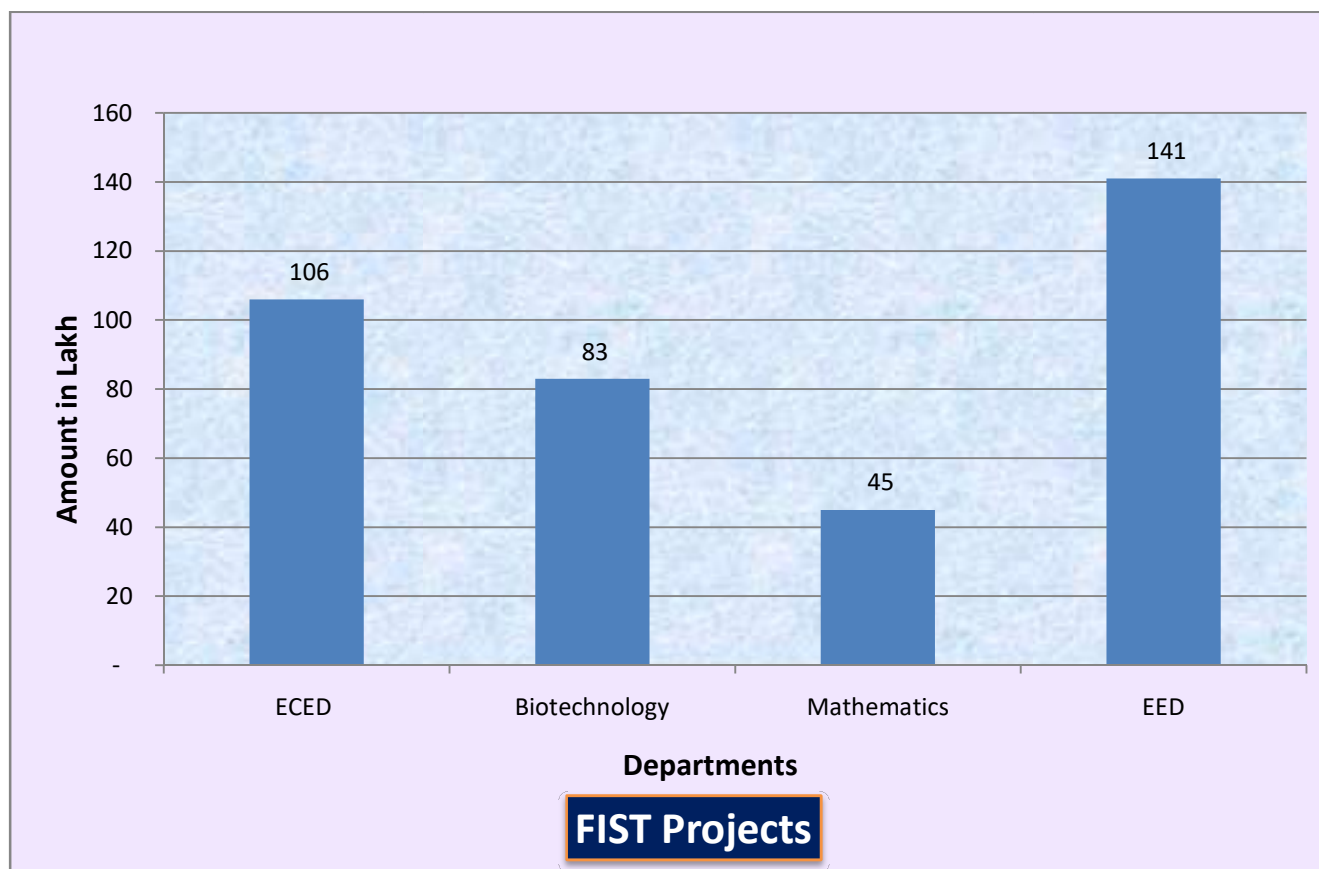# FUND FOR IMPROVEMENT OF SCIENCE & TECH. INFRASTRUCTURE (FIST)

The scheme "Fund for Improvement of Science and Technology Infrastructure (FIST)" is intended to provide basic infrastructure and enabling facilities for promoting R&D activities in new and emerging areas and attracting fresh talents in universities & other educational institutions. It is considered as complementary support for enabling Departments / Centres/ Schools/ Colleges to pursue research activities more effectively and efficiently.

The scheme provides optimal infrastructure facilities for post-graduate and higher research, such as, renovation of existing laboratory space (no fresh constructions) and cold room, modernization of laboratories involved in PG and higher research, acquisition of essential equipment, up-gradation of existing facilities, networking & computational facilities including software & databases, scientific & technical books, maintenance & refurbishing of existing and new facilities etc. The facilities provided under the program are intended to support the efforts of the department as a whole or a group of faculty members in the Department to develop testing and research facilities. Proposal towards individual R&D support are not accepted under this Scheme. The synergy and focus of research may preferably be aligned to National Missions/priorities.

FIST Projects

ONGOING FIST PROJECT SUMMARY

1. Department of Electronics and Communication Engineering

Sanctioned Amount : Rs.106 Lac
Received Grant : Rs.76.50 Lac
Project Sanction Date : 25.10.2017

Sanctioned Equipments: Programmable Pattern Generators - Rs. 50 Lac, (ii) Optical Spectrum Analyzer- Rs. 25 Lac, (iii) Tunable Laser–Rs. 20 Lac, (iv) DSP Processor–Rs. 1.5 Lac. & General Components-Rs.9.5.

2. Department of Biotechnology

Sanctioned Amount : Rs.83 Lac
Received Grant : Rs. 60 Lac
Project Sanction Date : 15.12.2017

Sanctioned Equipments: Multi plate Reader – Rs. 18.0 Lac, (ii) Chem Doc- Rs. 14.0 Lac, (iii) RT-PCR – Rs. 12.0 Lac, (iv) -80o C Deep Freezer – Rs. 5.0 Lac, (v) Centrifuge – Rs. 7.0 Lac (vi) Cooling Incubator – Rs. 4.0 Lac, (vii) Networking- Rs. 10.00 Lac for setting up a computer lab (vii) Infrastructure (books) for Rs. 5.0 Lac & (ix) Maintenance Rs. 8.0 Lac (total of Rs. 83 Lacs)

3. Department of Mathematics

Sanctioned Amount : Rs.45 Lac
Received Grant : Rs.32 Lac
Project Sanction Date : 18.11.2019

Sanctioned Equipments: Hardware – Rs. 20.0 Lacs (25 Pcs, 1 Server, 10 KVA UPS, 1 Printer, 1 LCD Projector & Software – 10.0 Lacs (COMSOL) and Infrastructure (books) for Rs.10 Lac & Maintenance - Rs.5 Lac (total of Rs. 45 Lac)

4. Department of Electrical Engineering

Sanctioned Amount : Rs.141 Lac
Received Grant : Rs.120 Lac
Project Sanction Date : 29.12.2022

Sanctioned Equipment: Modified 33 Bus Distributions System – 1 & Real Time HIL GST Slab Simulator -1, along with Maintenance, Industrial R&D support, SSR Activities (around Rs. 1.41 Cr of total cost)