



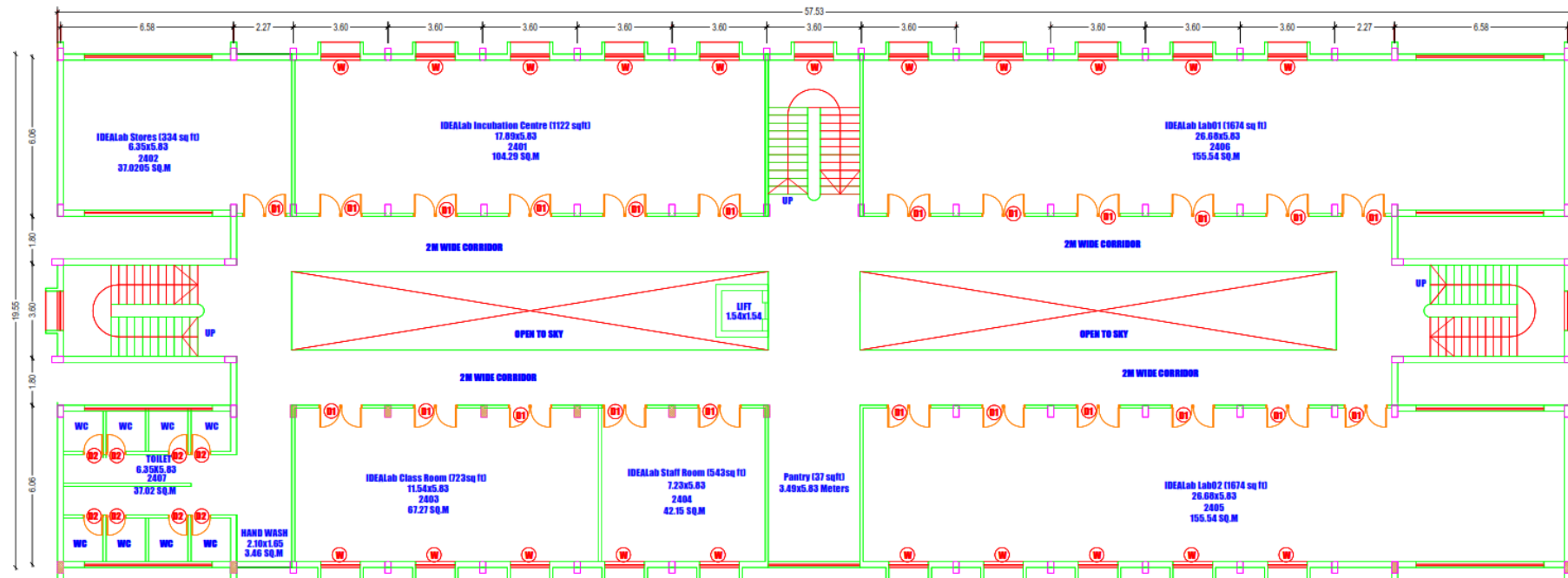
GOKARAJU RANGARAJU
Institute of Engineering and Technology



Floor Plan of IDEALab at GRIET

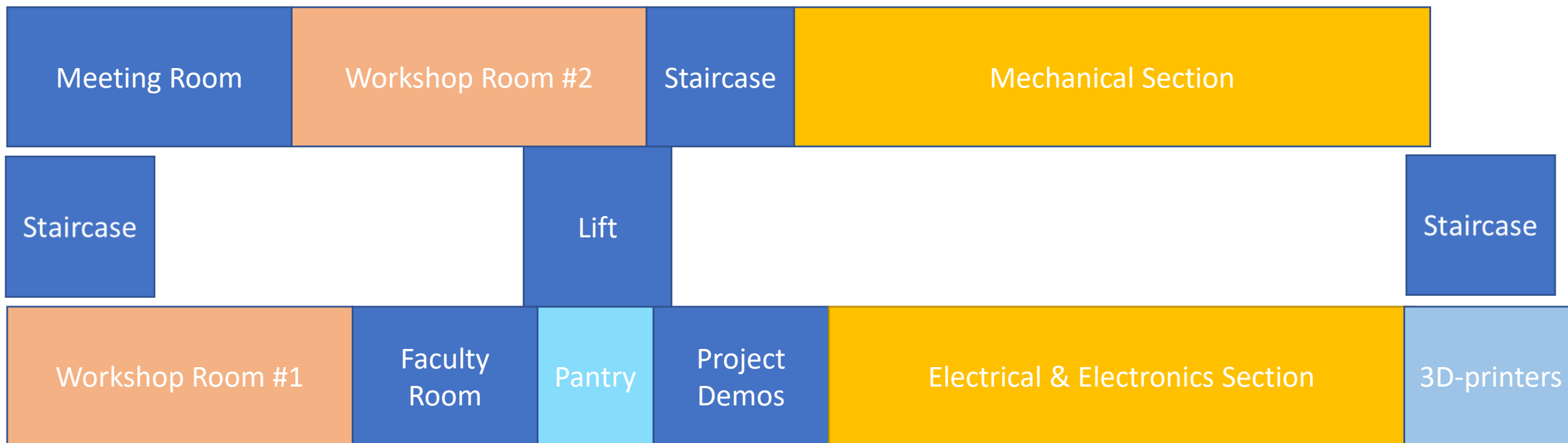
Final Floor Plan of GRIET IDEALab

(Total floor area is more than 6000sq ft)





IDEALab Layout at GRIET





IDEALab Team, GRIET

Chief Mentor: Prof Praveen Jugge

Co-ordinator: Prof K N B Kumar
Co-coordinator: Prof A Radhanand

Tech Gurus

Prof Sampath Kumar Reddy
Prof Krishna Mohan
Prof G Mallikarjuna Rao
Prof K Umadevi
Prof A Vinay Kumar
Prof R P Ram Kumar
Prof Y Subbarayudu
Prof A Vittalaiah

Student Ambassadors

M Ramya
K Greeshmanth
A Ajay Kumar



Skilling streams at IDEALab Team, GRIET

Electronic Design

- Workstation
- PCB CAD Design Tool
- Iron presses
- Ferric chloride solution
- Manual drilling
- Soldering stations
- PCB Milling machine

Sublimation Printing

- Workstation
- Inkjet printer with sublimation inks
- Mug Hot press
- T-Shirt Hot Press
- Vinyl Cutter

Additive Manufacturing

- Workstation
- Mech design software
- 3D Scanner
- 3D Printers

Internet of Things

- Microcontroller programming
- Board assembly
- Sensor board design
- Cloud interface
- Mobile app development



Integration with curricular activities

Mech. Design &
3D printing
workshops for 1
year undergrad
students

Support for Mini
Projects – PCB
Design, Assembly,
Coding and Testing

Support for
GRIET's Lab-On-
Board Initiative

Support for IoT
enabling non-IT
department labs



Planned activities

Consultancy

MOUs with start-ups
Collaborative projects

Outreach programs

Awareness programs for nearby schools, Open Day

Internship

Electronic Product Design

Skilling programs

Neighboring colleges

Hackathons