

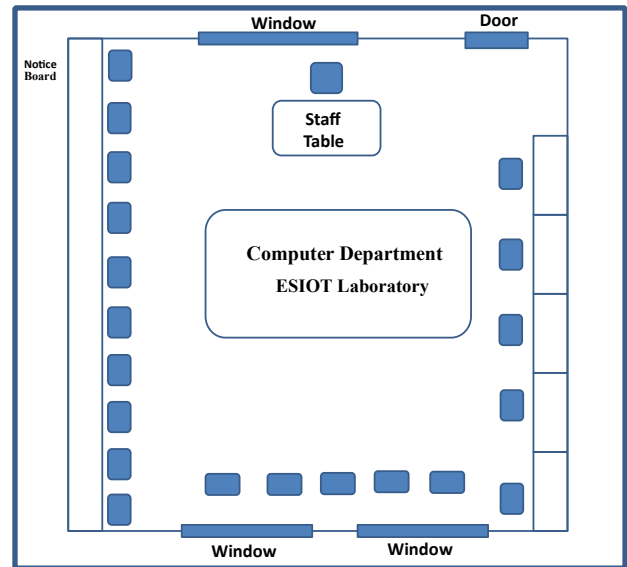


### ESIOT Laboratory (B-404)

#### Lab Photo:



#### Lab Layout:



**Lab Area:**

40.0 (Sq. Mt.)

**Lab Cost:**

Rs. 15,66,450.00/-  
 (Fifteen lakh sixty-six thousand four hundred fifty only)



**Ms. P. V. Shinde**  
**Lab In charge**



**Mr. V. B. Malode**  
**Technical Assistant**

### ❖ Major Equipment's Available in Laboratory:

Sr. No.	Name of Equipment / Software	Quantity	Cost
1	Online UPS 7.5 KVA	1	59,615.00
2	SMF Batteries Make Exide 12V / 65 AH	14	71,400.00
3	Ender 3D Printer V3.1	01	41,300.00
<b>Total</b>			<b>1,72,315.00</b>

### 🔑 Core IoT & Embedded Services:

- **Embedded System Design & Development**
  - Microcontroller-based systems (e.g., Arduino, STM32, ESP32)
  - Firmware development and optimization
- **IoT Product Development**
  - End-to-end solution design (sensor → cloud → app)
  - Smart devices (home automation, wearables, industrial IoT)
- **Sensor Integration**
  - Temperature, humidity, motion, gas, GPS, etc.
  - Calibration and data acquisition systems

### 🎓 Training & Educational Services:

- **Workshops & Training Programs**
  - IoT, Embedded C, Python for IoT
- **Student Projects Support**
  - Final-year engineering projects
- **Internships**
  - Hands-on experience in real-world projects

Mr. V. B. Malode  
Technical Assistant

Ms. P. V. Shinde  
Laboratory In-charge

Dr. B. S. Tarle  
Head of Department