SI.No.	CoE/Contact person	Particulars	Students count
	CENTER OF EXCELLENCE DETAILS -SVIT		
1	AI Lab/Dr. Shantakumar B Patil	A server equipped with 256 GB of RAM, dual GPUs with a combined memory of 49 GB, and 80 TB of storage capacity for conducting AI and machine learning training. Expected Outcomes: Proficiency in GPU programming Mastery of advanced AI and machine learning algorithms, NVIDEA Server GPU based	120
2	Photonics/Dr Venkatesha M	Intellisuit Fab Simulation Tool (Perpetual licence), Opti-BPM (Perpetual licence), COMSOL Multiphysics (Perpetual licence), Core-i5 3 High end Dell Computers, One Workstation Core-i7, 16GB RAM	40
3	5G lab/Dr Venkatesha M	Microwave Component: Antenna Turn Table Purpose: Radiation pattern measurement of microstrip antennas. Frequency Range: 10 MHz to 8 GHz, Common Types of Microstrip Antennas : Yagi Uda Antenna Array, Dipole Antenna, Slot Antenna, Microwave Source upto 4GHz (3), Microwave Test Bench, Microwave Passive devices such as Power divider, Directional coupler, Ring Resonator, Digital Oscilloscopes (5), 5G server setup supported by Lab2Market IISc Startup : Radio units, MODEMs	30
4	Cyber Signalling/Dr Venkatesha M	FBG Sensors, Private Cloud, Point Machine for Railways, Radio Acess Networks, Relays,	30
5	IoT and Robotics/Dr Venkatesha M	1. IoT Lite Kit (HSN/SAC: 85423100): Quantity (12) 2. IoT Experience Kit (HSN/SAC: 85423100) Quantity-2 3. Arduino, PICO, ESP32 & SMT32 Controllers along with LoRa Chipset, 1.8"TFT, MPU6050, BMP280, RGB LED, GSM Module, DHT-11, Relay, Buzzer, POT, RS232, CAN and RS485 Module. 14. Core i-5 High end computers (Quantity 35)	45
6	3D Printing/Dr. Raghavendra S	Name : Creality Ender 3 Quantity : 01 Build Volume : 220*220*250 mm Maximum Printing Speed : 150mm/s Maximum Accelaration : 220mm/s2 Maximum Nozzlw Temperature : 250 C Maximum Bed Temperature : 100 C	30