



 **Robotics** ENGINEERING  
*and*  
**SMART CITY unit**

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**Current Activity, Common Practice and Future Planning**

## Intelligent Robotic

- Delivery Robot
- Disinfection Robot
- Cleaning Robot
- Customized
- Sales and Marketing
- Maintenance and Support
- Technology transfer/Training
- Partnership

## Geospatial (GIS)

- Technology R&D and Application
- Dashboard/Platform Development
- Database/Big Data and Integration
- Experience Gallery/Command Center



## STEM Education (STREAMLAB 4.0)

- Robotic Arm (Dobot)
- Humanoid (LEJU Aelos)
- 3D Printing & 3D Modelling Software
- Augmented Reality (AR)
- Laser Engraving
- DIY Mini Projects
- Computer Vision (AI)
- Automation
- Programming (Java,Python,ROS,Block)
- Hardware (Arduino, Raspberry, ESP32..)
- Training and Sharing Knowledge

## Urban Farming

- Hydroponic system
- Monitoring system
- AI and IoT Development
- Sales and Marketing

## Smart City

- Event showcase
- Partnership/Consortium collaboration
- Product Talk/Technology sharing/Consultancy
- Grant,Tender and paperwork
- Course/Knowledge gathering

## Research and Development

- R&D matching grants
- AI, Robotic, IoT and Smart City components
- Collaboration and partnership
- Technology/Service provider

## Training and Consultancy

- Industrial panel jury (Expo/FYP/Competition)
- Digital-Entrepreneurship
- Internship programme/Talent Development
- University-Industry visit
- Corporate Social Responsibilites (CSR)
- Environmental, Social, and Governance (ESG)
- Knowledge Sharing/Consultancy



# CYBER ROBOTICS



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