



ACE

Engineering College

(An UGC Autonomous Institution)

(Accredited by NBA and NAAC with 'A' Grade)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

AICTE Sponsored One Week Short Term Training Programme (STTP) on

MATLAB for IoT Applications

(14th Dec 2020 To 19th Dec 2020)

Program Schedule

Day & Date	Session 1 10 a.m. to 11.30 a.m.	Session 2 11.45 a.m. to 1.15 p.m.		Session 3 2 p.m. to 3.00 p.m.	Session 4 3.00 p.m. to 4.00 p.m.
Day – 1 & 14.12.2020	Inaugural Function & Keynote Address Mr Pankaj Dewan Idea Labs, Hyderabad	Internet of Things in AI Mr Sreekanth varma Applied AI, Hyderabad	L U N C H B R E A K	Introduction of IoT & its Applications Dr. Sachin Chowdhary Professor, Electronics & Communication Engineering, IIIT Hyderabad	Research Applications of IoT Dr. Sachin Chowdhary Professor, Electronics & Communication Engineering, IIIT Hyderabad
Day – 2 & 15.12.2020	IoT and Data Management Dr. Satya Prakash Professor, Electronics & Communication Engineering, NIT Warangal	IoT and Data Management Dr. Satya Prakash Professor, Electronics & Communication Engineering, NIT Warangal		Architecture ,Buiding Blocks and Applications of IoT Installation and Introduction to Arduino & MAT LAB and Simulink Software Dr. B L Raju Principal & Professor ACE Engineering College, Hyderabad	Sensors and Acuators using Arduino and MATLAB Simulink Dr. B L Raju Principal & Professor ACE Engineering College, Hyderabad
Day – 3 & 16.12.2020	MATLAB & Simulink for Hardware Integration Mr Ramana Anchuri Engineer from the Education Team at The MathWorks ,	MATLAB & Simulink for Hardware Integration Mr Ramana Anchuri Engineer from the Education Team at The MathWorks		Build Use case: Automatic illumination Control system Ms. DivyaNemuri Senior IoT & Embedded Developer SMART BRIDGE, Hyderabad	Explore DHT11 sensor and read temperature and humidity values Ms. DivyaNemuri Senior IoT & Embedded Developer SMART BRIDGE, Hyderabad
Day – 4 & 17.12.2020	MATLAB & Simulink for IoT(Thingspeak Cloud and MATLAB Mobile) Dr. VSSN Srinivasa Baba HOD ECE & Professor ACE Engineering College,Hyderabad	MATLAB & Simulink for IoT(Thingspeak Cloud and MATLAB Mobile) Dr. VSSN Srinivasa Baba HOD ECE & Professor ACE Engineering College, Hyderabad		Practical Session onThingspeak Cloud Platform Mr Durga Prasad Senior IoT & Embedded Developer SMART BRIDGE, Hyderabad	Create channels to store sensor data Mr Durga Prasad Senior IoT & Embedded Developer SMART BRIDGE, Hyderabad
Day – 5 & 18.12.2020	IoT for Security Dr L. Nirmala Devi Associate professor, OU College of Engineering, Hyderabad	IoT for Security Dr L. Nirmala Devi Associate professor, OU College of Engineering, Hyderabad		Data Visualization and Analytics Ms. DivyaNemuri Senior IoT & Embedded Developer SMART BRIDGE,Hyderabad	Create Visualization dashboards for sensor data ,Analyze the Sensor data using Matlab Analytics Ms. DivyaNemuri Senior IoT & Embedded Developer SMART BRIDGE, Hyderabad
Day – 6 & 19.12.2020	IoT for Communication Networks Dr. Satya Prakash Professor, Electronics & Communication Engineering, NIT Warangal	IoT for Communication Networks Dr. Satya Prakash Professor, Electronics & Communication Engineering, NIT Warangal		Conclusion & Test for Participants	Valedictory