



Training on “IoT based Transport System for Smart Mobility” 25th February 2019 to 1st March 2019

Objectives :

- 💡 Recognize the need for real time information to manage traffic and travel plan.
- 💡 Explore the technologies contributing for sustainable mode of Transport.
- 💡 Analyse and integrate various technologies to appraise transportation in improving efficiency.
- 💡 Develop ITS solutions for enhanced convenience and safety..

Prerequisites :

- 📄 Basic programming skills.

Course Fee: ₹5000+18%GST

- 🎓 Interested participants can register by paying registration fee through DD drawn in favour of Principal, RVCE payable at Bengaluru.

Who can attend :

- 🎓 Students and Faculty of Science, Engineering & Computer Application discipline.

Students will be exposed to following applications of ITS :

- 1: Toll Management system.
- 2: Smart parking system.
- 3: Development of Mobile app to track a vehicle.
- 4: Designing an app to send and receive notifications.
- 5: Object segmentation using image processing techniques.
- 6: Extracting images from video sequence and apply geometrical transformation.
- 7: Designing CNN for Vehicle detection and Tracking.
- 8: CNN for Vehicle classification and counting.

For Communication and Registration Contact :

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*Registration on or before : 20th February 2019

Scan QR CODE



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**DAY
01**

Intelligent Transport Systems & Hardware Specifications

ITS Framework
Challenges and opportunities
Applications
Hardware Specifications
Sensing technologies, Sensors, RFID, GPS,
CCTV and Surveillance, Raspberry Pi / Aurdino



**DAY
02**

Mobile App Development

Mobile App Development essentials
Mobile applications such as Vehicle Tracking, Smart Parking, Toll Plaza Management, using Android studio.



**DAY
03**

Cloud Service & Python

Cloud Service
Cloud based Data storage, retrieval and processing.
Python Programming
Basics of Python Programming



**DAY
04**

Image Processing

Image Processing
Image Acquisition, Preprocessing, Segmentation,
Image storage and retrieval.
Image Processing using Python
Python for image processing using SciPy and Pillow.



**DAY
05**

Video Analytics

Convolutional Neural Net Architecture (CNN),
CNNs for object detection and
classification for vehicle detection

