



## **Centre of 3S Infrastructure (Safe, Sustainable and Smart)**

### **Internship Modules for Engineering students**

#### **Internship program on “SMART MOBILITY”**

##### **IMPORTANCE AND RELEVANCE:**

Smart mobility solutions will enhance livability and quality of life of smart cities through integrated resilient and sustainable transport infrastructure. Govt. of India is implementing smart city projects across the country. Smart mobility is an important and integral part of smart cities. UnSustainable development goal 11 envisages sustainable cities and communities by 2030. Hence Smart mobility course/ programme play a vital role towards building sustainable cities and communities within increased quality of life and liveability.

##### **OBJECTIVES:**

1. Develop the knowledge and skill of BE and Mtech students of all branches in the area of Smart mobility / intelligent transport system
2. Develop competency for BE and Mtech students in design, development and maintenance of Intelligent transport system
3. Enhance industry exposure and employment opportunities.

##### **OUTCOMES:**

1. The students will have Knowledge and skill in the area of smart mobility and more employment potential

##### **PROGRAM CURRICULUM:**

1. Intelligent Transport System
2. AI & ML for Smart mobility
3. Sensor infrastructure
4. IoT for Smart mobility
5. Batteries and Energy sustainability for smart mobility
6. Transport modelling
7. V2V Communication for Safe traffic management
8. Big data analytics
9. Sustainable road Infrastructure and Road Safety
10. Strategy structuring, financing, tolling, bidding for Smart mobility projects

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