



**Innovation & Entrepreneurship Development Center**  
**VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY AND RESEARCH**  
(Estd. U/s 3 of UGC Act 1956)  
Vadlamudi , Guntur Dist., A.P., India-522 213

---

**Problems identified by AICTE sponsored Hackathon should be placed in the website of the university**

Smart India Hackathon is nothing short of a digital movement that collectively harnesses the creativity and skill of India's technology students, towards developing a Digital India. The identified problems are assigned to respective ministry/state.

**Some of the problem statements are**

Smart India Hackathon aims to challenge lakhs of technical students to come up with unique solutions to some of the most prominent issues faced in India

- **Predicting drought in a protected area/locality**
- A simple model to predict the drought or water scarcity in a locality based on sample data on various parameters.
- **An automatic instrument to record call of specific birds and weather parameters in a location**
- The recorder should identify and capture only the frequency and amplitude range that matches with the target species' range and should store data with all relevant weather information for each sequences.
- **'SMART' system to guide patients**
- A GPRS-guided mobile tablet fitted permanently on 'SMART' wheel-chairs and in stretchers to resolve the issue of confusion during an emergency with a pre-loaded software application
- **Waste Management**
- Sensor-based technology solutions which can detect the nature of waste and enable automated segregation.
- **Map disable-friendly locations across state**
- Application to geo-tag places with photograph, category, and type of disable-friendly facility. It shall listen and provide voice navigation to visually-challenged users.
- **Social media sentiment analysis**
- A large number of tweets, Facebook posts could be analyzed to understand the citizen sentiments and key problems. Advanced social media sentiment analysis with English local language support (Telugu, Hindi)
- **GPS-based dengue risk index**
- A GPS-enabled smartphone owner can find the susceptibility to dengue infection at the location where he or she is in.
- **Mapping crime rate/type**
- Map the crime rate, unemployment rate and the type of crime rate in different regions of India