

RESEARCH

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- **Smart car project**
 - a. Tracking the pedestrians and other traffics for driver's information such as cars, obstacle, road signs, etc.
 - b. Analyse the traffic hazards for driver's safety for example indicating the speed limit by panel or audio sound
 - c. Central networking systems for driver's evaluation. This project mostly includes representation and recognition of the driver's activities and behaviours while driving

- **Thermography**
 - a. Fundamentals of IR (infrared) images such as developing the features of IR images, edge of IR images,
 - b. Visualization (2D and 3D) of the dynamics as well as static evaluating of muscles.
 - c. Analyse sports activities for health, performance/skill reasons.

- **Motion Analysis**
 - a. Developing the feature space of humans' body postures and sporting motions for example arbitrating a cricket game
 - b. Recognition of particular events for example swimming stroke using eigenfeatures

- **Object detection and classification**
 - a. Partially occluded/destroyed object detection and classification using eigenwindow technique

- **Biometrics**
 - a. Developing a passive and multimodal biometric systems for personal identification
 - b. Biometrics with eigenears
 - c. Biometrics with eigenfaces

Detail of the projects will be available soon