

# **Computerised Driving Skill Test Track System**

## **Transport Department, Government of Tamilnadu**

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## **Computerised Driving Skill Test Track System**

### **Introduction:-**

This is an initiative to transform the existing manual driving skill test system to Computerised Test with the help of emerging information technology. As the number of road accidents increase day by day and if we analyze the cause of the accidents the major fault is found in the driver side: the lack of proper driving skills is resulting in major accidents.

Road accidents in Tamilnadu are among the highest in India; hence we are proposing the Computerization of Driving Skill Test Track System which enables to allow only skilled drivers on road to reduce the number of accidents.

### **Drawbacks of Manual Evaluation System:-**

- We don't have any technical evidence if the candidate claims for the proof of his failure condition.
- There is no surety that the same person who has applied for the license is undergoing test.
- Work burden for the officials.
- Absence of Recent Digital technologies.

### **About the Project:-**

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- Issue of Licenses (Motor Cycle with and without Gear, Light Motor Vehicle, and Heavy Transport Vehicle) to the applicant is carried out as a manual process by conducting necessary tests to the applicant and based on his/her results.
- To replace the existing manual process, we suggest a Computerised Driving Skill Test Track System to evaluate the driving skills of the applicant and to issue a license based on the result of the tests.

### **Scope of the Project:**

- Computerised Evaluation

#### **The following types are to be implemented:**

- Sensor Based System
- Video Camera Based System

### **Project Merits:**

- More Accuracy
- More Transparency
- Reducing the Human Bias
- Increased Effectiveness

### **Overview of the Project:-**

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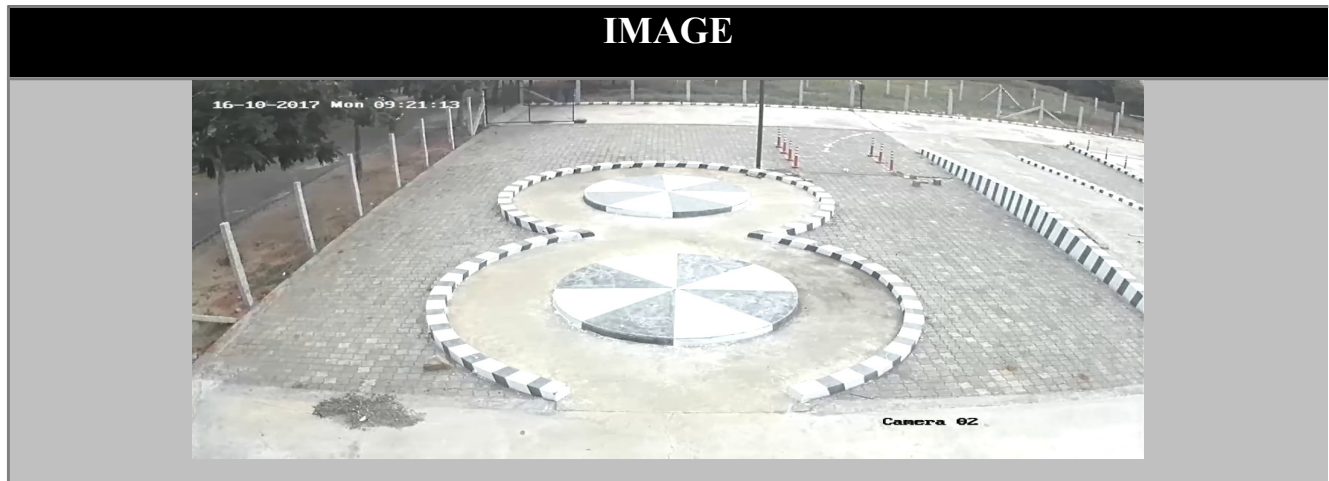
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- \* In computerisation of test track system the total test is classified into 2 parts, first part is a preliminary test, which is examined manually and the second part is computerised test, which is examined by computers.
- \* On the Date of driving test the candidate register their presence (biometric registration) and their documents shall be verified.
- \* Then they will be going through preliminary test which is examined manually and if the candidate clears the preliminary test (part 1), they will be permitted for computerised test (part 2).

### Tests to be Carried:-

#### \* 8-Track test (Two wheelers):

The video camera based system is used to record the path taken by the candidate and assists the MVIs to decide pass / fail based on the recorded data.



#### \* H-Shaped Track Test (LMV):

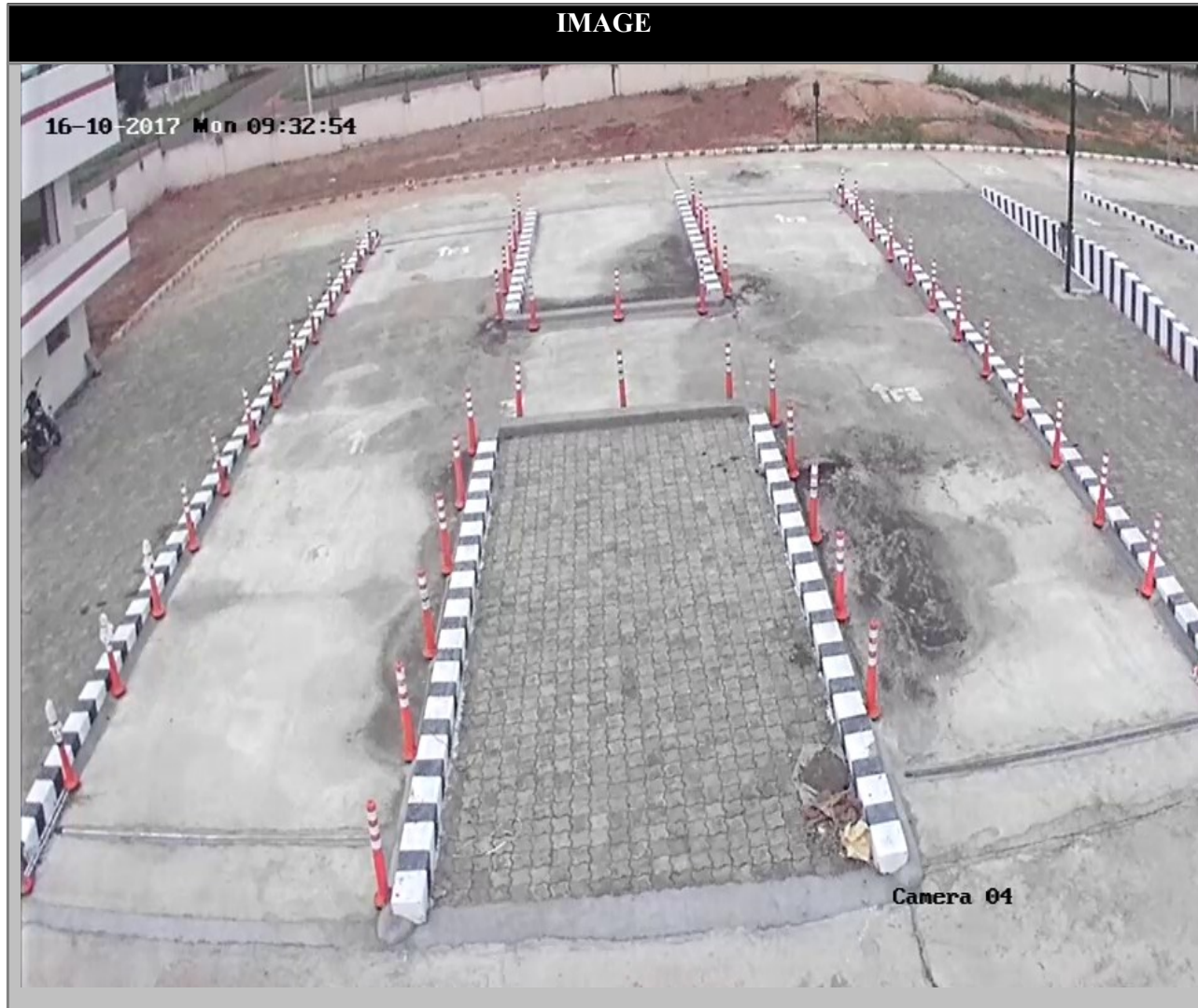
The computerised system should be able to record the path taken by the candidate and assists the MVIs to decide pass / fail based on the recorded data.

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### \* Up Gradient Track Test (LMV):

The computerised system should be able to record the path taken by the candidate and assists the MVIs to decide pass / fail based on the recorded data.

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IMAGE



### \* Parallel Parking (LMV):

The computerised system should be able to record the path taken by the candidate and assists the MVIs to decide pass / fail based on the recorded data.

### IMAGES



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