**Indian Institute of Information Technology (IIIT) Chittoor, Sricity Questionnaire for BTP-Progress Evaluation**

**Wednesdays, 3:30 – 5pm**

**Spring 2016**

1. Describe what you have done in the last 3 weeks.

(a) Literature study on authentication mechanisms

(b) Implemented RSA algorithm for authentication

(c) Work in progress implementing ECC algorithm for more secured data transfer between vehicles

2. How many times did you meet / talk with your faculty / guide?

Atleast thrice a week

3. How many papers / articles / technical materials have you read in the last 3 weeks?

4 research paper

4. Provide a brief summary of your learning?

RSA algorithm is one of the oldest algorithms for secured data transfer. But during the recent times ECC algorithm provides the same level of security using less key size.

5. What development / programming / practical activity did you do in the last 3 weeks.

Completed implementing RSA algorithm and tabulated the results.

Working on implementing ECC algorithm

6. How close/far are you from the milestone set by your Guide?

The milestone set by our faculty was to complete the implementation of RSA and we reached it

7. What specific challenges are you facing/you faced in the last 3 weeks?

We are struck while implementing ECC algorithm, on how to assign a symbol to a point on an elliptic curve.

8. Propose your plan for the next 3 weeks; as agreed with your supervisor. It would be verified in the next round (Q1).

(a) Complete the implementation of ECC and tabulate the results

(b) Start work on implementing multi hop routing protocols