TEAM DESCRIPTION PAPER (TDP)

SHAASTRA CIRCUIT DESIGN CHALLENGE

TEAM NAME:

INSTITUTE:

CITY:

	Team Leader	Crew member 1	Crew member 2	Crew member 3
Name				
Institute Id				
Mobile no				
Email id				

Each sub-module has equal preference

Read the Problem statement carefully before writing the TDP

1.   How do you plan to implement Automatic street light system. Give a schematic description or circuit for the Automatic street light system with the brief explanation of the circuit.

2. How do you plan to implement Power hump. Give a schematic description or circuit for the Power hump with the brief explanation of the circuit.

3. How do you plan to implement Traffic lights that switch accordingly by detecting traffic density. Give a schematic description or circuit for the Traffic lights that switch accordingly by detecting traffic density with the brief explanation of the circuit.

4. How do you plan to implement Traffic lights with automatic Ambulance detection.
Give a schematic description or circuit for the Traffic lights with automatic
Ambulance detection with the brief explanation of the circuit.

5. How do you plan to implement Alcohol sensor. Give a schematic description or
circuit for the Alcohol sensor with the brief explanation of the circuit.

6. How do you plan to implement Speed controller. Give a schematic description or circuit for the Speed controller with the brief explanation of the circuit.

Extra module or any other details you would like to add

GENERAL INSTRUCTIONS:

- ➢ There are no restrictions on the size or content of your explanation for each correct answer. you can as well take the aid of images and block diagrams for supporting your descriptions.
- ➢ In your explanations of the circuit, you are also encouraged to also give a brief explanation on why you have chosen a particular IC or component.
- ➢ At-least one team member needs to register on the SCDC-shaastra website, and upload the TDP on the same portal. You are also advised to mail us the report at scdc@shaastar.org
- ➢ Please send us the pdf file and name the file as "SCDC_Team Name.pdf".
- ➢ The last date for the submission of the report(TDP) is 5th November 2014.
- ➢ For further queries you can mail us at scdc@shaastra.org or contact the co-ordinators.
- ➢ Please note that we encourage you to think out of the box. Any design conforming to the constraints will be accepted with special consideration being given to unique, innovative as we'll as feasible designs.
- ➢ Multiple TDP submissions without acknowledgment from the co-ordinators will result in disqualification of the team and its participants.
- ➢ Co-ordinators have right to select and reject any TDP.
- ➢ If selected in the TDP round, team members as well as the design can be changed only after intimating the coordinators in advance.
- ➢ Decision of coordinators is final and binding on all participants in case of discrepancies.
- ➢ All queries to be mailed to scdc@shaastra.org with the subject as "Query-<query description>"
- ➢ We don't encourage plagiarism and plagiarized reports of any sorts will be disqualified.

Co-ordinators:

- ✓ P.Sumanth Naik – 9043244844
- ✓ M.Spoorthy – 9003291291
- ✓ G.Sowmya – 8678942106
- ✓ Kunal das – 9790469185