

## SSIP PoC Proposals A. Y. 2018-19

Sr. No.	Proposal No.	Title of Proposal	First Student	Mob. No.
1	EC-1	Smart solar power extractor with control loop	Shashi Sharma	9723393152
2	EC-2	IoT based LED scrolling notice board	Samarth Bhatt	9913604750
3	EE-1	IoT based smart home control	Ravi Patel	9726178727
4	EE-2	IoT based Induction Motor Monitoring	Anant Thakkar	7817985694
5	AE-2	Electric Cycle	Maulik Padhriya	9904202108
6	AE-4	Smart seat belt	Nisarg Varia	9624740283
7	FPT-1	Fiber Enriched Extruded Product prepared using Indian gooseberry (Amla) waste	Agam Shah	9624704995
8	ME-1	Study of low cost biogenic fuels with steam and air fluidized bed gasification for synthetic gas production with gas impurity concentration	Vishal Rohit	9714648454
9	ME-3	Modelling & Simulation of Automated Ball throwing Machine	Shyamal Thakkar	9687545600
10	CP-1	EAGLE EYE: Drone based thermal testing kit	Advait Thakkar	7624033764



**Electric cycle**

<b>Mentors</b>	<b>By</b>
<b>Yagnesh Gambhava (Asst. Prof. Automobile Dept.)</b>	<b>Maulik Padhariya (150010102029)</b>
<b>Dhaval Tailor (Asst. Prof. Electrical Dept.)</b>	<b>Kishan Joshi (150010102019)</b>
	<b>Karan Patel (150010102037)</b>

**Top speed: 26 KmpH**

**Charging time: 4 to 5 hour**

**Running Range: 35 to 40 KM (without pedaling)**



**Automated Ball throwing Machine**

<b>Mentor</b> <b>Sankalp G Soni</b> <b>(Asst. Prof., Mechanical Engg. Dept.)</b>	<b>By</b> <b>Shyamal Thakkar (150010119115)</b> <b>Sohit Tickoo (150010119117)</b> <b>Sahil Vohra (150010119125)</b>
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**Input parameters: Swing, spin and speed**

**Speed- 28 m/s**

**Height- 1.5, 2, 2.5 (m)**