

## LIST OF PROOF OF CONCEPT/PROTOTYPES

2019-2020			
S. No	Name of POC/Prototype	Mentor's Name	Team Members (Students)
1	AUTOMATIC GARDENING SYSTEM	Dr. Monika Jain	Anuj Katiyar
2	RAIL GENERATOR	Dr. Monika Jain	Harshit Kumar Singh
3	SEWAGE CLEANING MACHINE	Mr. Manvendra Yadav	Mo. Shafique
4	E- Sugarcane crusher/juicer machine	Mr. Mahip Singh	SYED YUSUF AMIN
5	Smart Solar panel cleaning system	Mr. Mahip Singh	Mayank Raj
6	HEART MONITORING SYSTEMS	Mr. Rajiv Ranjan	Anil Prajapati
7	FARMER'S FRIEND/ Rice Planting Machine	Mr. Mahip Singh	Srishti Kumari
8	Smart Inhaler	Mr. Manvendra Yadav	Hardik Goel
9	SMART TROLLEY	Mr. Mukesh Kumar	Hariom Kumar
10	Traffic free ambulance	Mr. Agha Hussain	3RD YEAR
11	Smart E Bike	Mr. Manvendra Yadav	Abhishek Kumar Jaisawal
12	Reception Robot	Mr. Mahip Singh	Jeevesh Gupta

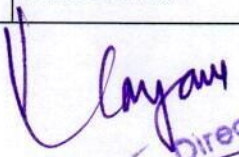
*(Handwritten Signature)*

Director  
ITS Engineering College  
Greater Noida



## LIST OF PROOF OF CONCEPT/PROTOTYPES

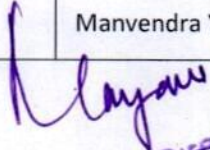
2020-2021			
S. No.	Name of POC/Prototype	Mentor's Name	Team Members (Students)
1	3D solar	Monika Jain	Shubham Kumar Harshit Kumar
2	Milk spilling Control Unit	Mahip Singh	Utkarsh Srivastava
3	Continuous Variable Generator	Mahip Singh	Vaibhav Kr Yadav Jeevesh Gupta
4	Accelerator Enhancer for Bikes	Mahip Singh	Shivani Dubey Md. Samir
5	Tadpol E-Mobility	Saurav Kumar	Nidhi Sharma
6	AI BASED GLUE INSPECTION SYSTEM ON S-CARDS	Saurav Kumar	Yash Kumar
7	Development of biodegradable coating based solution	PC Jha	Nitesh Kumar Jha
8	Cutting fluid optimizer	Mahip Singh	Md. Suleman
9	Painting Automation	Mahip Singh	Nidhi Sharma
10	Flywheel Energy Storage System	Mahip Singh	Harshit Kumar
11	Wireless Laptop Charging platform	Praveer saxena	Sindhuza Singh
12	Hospital Assistant Robot (Import Solution)	Mahip Singh	Jeevesh Gupta
13	Smart Thermal Testing Goggle	Saurav Kumar	SaketTiwari
14	Self -Cleaned Saniized Dining Table	Kamal Gupta	Yash Sharma
15	Kitchen Automation	Nidhi Puri	Ayushi Agarwal
16	Fully Automatic Shoe Polish Rack	Manvendra Yadav	Yash Kumar
17	Zero energy Toilet	Manvendra Yadav	Manas Showne
18	EV-VCU Development	Agha Hussain Hemant raja	SaketTiwari
19	Smart down rod	Mahip Singh	Syed Yusuf Amin
20	Traffic data analyzer	Saurav Kumar	Rishav Kumar

  
 Director  
 ITS Engineering College  
 Greater Noida



## LIST OF PROOF OF CONCEPT/PROTOTYPES

2021-2022			
S. No.	Name of POC/Prototype	Mentor's Name	Team Members (Students)
1	Natural Air Purifier	Surendra Pal Sharma	Raj Kumar Shukla Vinit Yadav
2	E-Tractor with variable Power	Hemant Raja	Shubham Md Sameer
3	QR Code and Packing List Inspection System	Ayub Khan	Md Arkam
4	Converting Desert Cooler to Air conditioner using refrigerator	Dr. Mayak Garg Dr. Akant Kumar Singh	Ashirvad Pal Jayant Jaibeer
5	AI based system to evade stray Livestock's	Agha Asim Husain	Shaswat Pandey Divya Verma
6	Hybrid Vehicle Washing System	Brijesh Kumar	Abhishek Pal Akash
7	Mid-day meal automated reporting and Management system	Ayub Khan Manvendra Yadav	Devraj Singh Shubham Kumar
8	Endurance Tester for Geyser	Ayub Khan	Md Sameer
9	Method for making biodegradable shellac and synthetic resin based moulded products and PCB base	Dr. Praveen Chandra Jha	Mayank Senger Manish Pandey
10	Development of electrically insulating biodegradable shellac based fibers and method	Dr. Praveen Chandra Jha	Nitish Kumar Jha Yash Kumar
11	High Power Density Modular BLDC Motor Controller	Harshit Kumar Singh	Nidhi Sharma
12	Vehicle Alignment Indicator	Jeevesh Gupta	Shubham Md Sameer
13	Micro hydro power water wheel with Compressed air energy storage system	Surendra Pal Sharma	Nidhi Sharma Soheb Ahmad Praduman
14	A device to charge EV Battery in running condition of Vehicle	Dr. Mohit Saxena	VIPUL MAURYA VEDANT SHARMA
15	Solid Fertilizer Spreading Machine	Manvendra Yadav	Shivendra K Singh Prason Singh
16	Modular brushless direct current (BLDC) electric motor	Harshit Kumar Singh	Nidhi Sharma
17	Rice Threshing Cum Chaff Cutting Machine	Manvendra Yadav	Suraj Vishvakarma Alok Kumar Ashutosh Yadav
18	Online payment device for Machine of Beverages	Jeevesh Gupta	Nikunj Kushik Saket Tiwari
19	The Marvel Tooth Brush	Dr. Jyoti Batra Suraj Singh	Muskaan Afreen Ali Arshdeep Singh
20	Automatic Dairy Animal Feeder	Manvendra Yadav	Piyush Solanki Lovely Gupta

  
 Director  
 ITS Engineering College  
 Greater Noida



## LIST OF PROOF OF CONCEPT/PROTOTYPES

2022-2023			
S. No.	Name of POC/Prototype	Mentor's Name	Team Members (Students)
1	Smart Machine Box	Mr. Ayub Khan	Gagan Sahu, Shivansh Seth, Gautam Negi
2	Geometry, Dimensions and Tolerance Measuring Datum Table	Mr. Chetan Dixit	Jayant Rajput
3	Flexible 5G Antenna	Dr Praveen Chandra Jha Mr. Chandan Kumar	Raghunandan Kumar Piyush Sokhi
4	T M R Mixer	Mr. Chetan Dixit	Shivendra Kumar, Suraj Kumar Shubham Kumar
5	If YONO(Open Source Microcontroller)	Mr. Sachin Sharma	Anannya Sharma UPID, Shashwat Pandey
6	Chemical Electrodialiser for Waste Water Treatment	Dr Praveen Chandra Jha	Mohit Ravi Kumar, Piyush Sokhi Pangershungla Pongen,
7	Attendance Monitoring System	Mr. Agha Asim Hussain	Shashwat Pandey Aman Pratap Singh
8	Udaan(Flight Controller for Drone)	Mr. Sachin Sharma	Kajal UPID Md. Samiruddin
9	Vertical Mop Robot	Mr. Upendra Agarwal	Shubham Kumar Adarsh 2nd Yr ECE
10	Rice Age Finder Machine	Dr Praveen Chandra Jha	Md Samiruddin Ansari Manish Pandey
11	Multi-level Encryption	Mr. Chetan Dixit	Nikunj Kaushik Shivansh Seth
12	Digital Healthcare Assistant	Dr. Setu Garg	Ainul Hasan, Aditya shankar, Ashwin Yadav
13	Smart Mirror Connected to IOT	Ms. Pragarti Tripathi Dr. Monika Jain	Devraj Singh Shubhang Mishra
14	Automatic Physiotherapy Assistance Machine	Mr. Chetan Dixit	Deepanjan ME 3 Yr Ashwin Yadav ECE 2 Yr
15	Solar Powered Battery Swapping Station	Mr. Sudhanshu Ranjan	Md. Samiruddin Ansari
16	Triple Power Advance PCU	Dr. R K lal	Shubham Kumar
17	Smart Solar Bench	Mr. Sudhanshu Ranjan	Shashwat Pandey

*Rajaw*

Director  
ITS Engineering College  
Greater Noida



18	Kinetic Chandelier	Upendra Agarwal	Aditya Rai Priya Shah deo Shubham Kumar
19	Milk Adultration Testing Unit	Sudhanshu Ranjan	Shubham Kumar Shaswat Pandey Md. Samiruddin
20	Enterprise security and Automation	Sudhanshu Ranjan	Shubham Kumar Shaswat Pandey Md. Samiruddin
21	Continuously Variable Generator with Electro-Mechanical Synchronization (MSME)	Mr. Mahip Singh	Mr. Jeevesh Gupta

*K. Singh*

Director  
ITS Engineering College  
Greater Noida



**IMAGES OF SOME POC/PROTOTYPES**



**NATURAL AIR PURIFIER**



**ELMO**

*K. Jayan*

Director  
WTS Engineering College  
Greater Noida





**CONTINUOUSLY VARIABLE GENERATOR**



**BIODEGRADABLE SHELLAC BASED ELECTRICAL INSULATING**

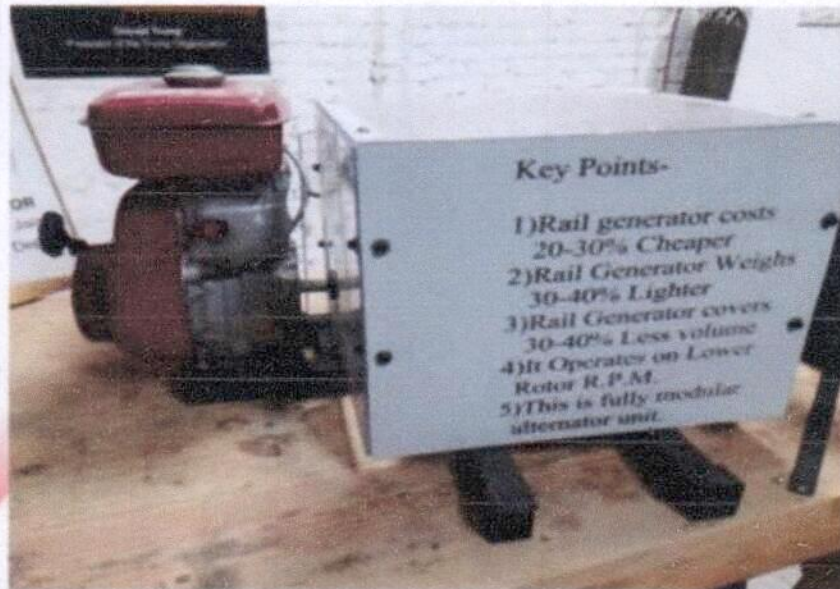
*R. Cayano*

Director  
ITS Engineering College  
Greater Noida





**AUTOMATED MIDDAY MEAL MONITORING SYSTEM**



**Key Points-**

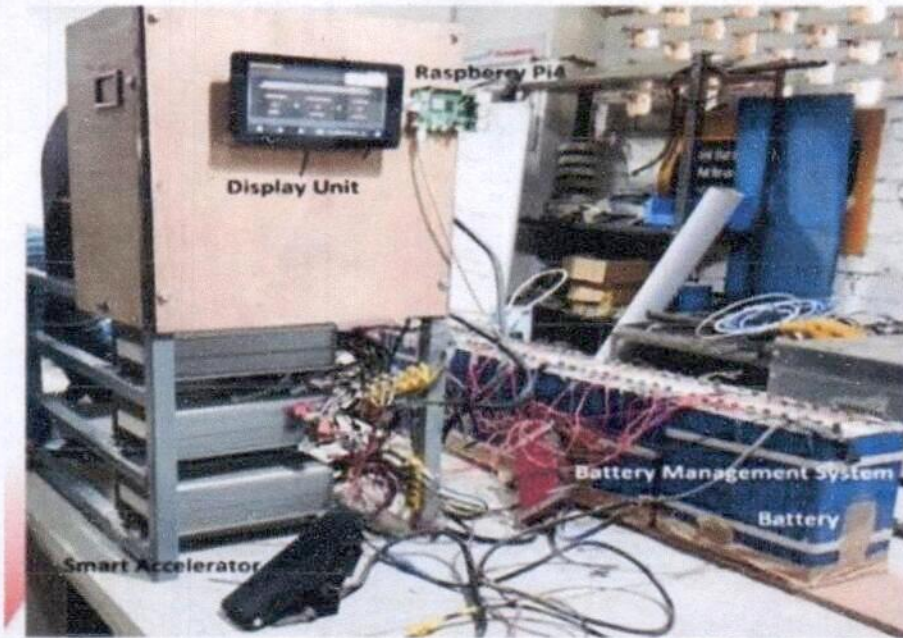
- 1) Rail generator costs 20-30% Cheaper
- 2) Rail Generator Weights 30-40% Lighter
- 3) Rail Generator covers 30-40% Less volume
- 4) It Operates on Lower Rotor R.P.M.
- 5) This is fully modular alternator unit.

**RAIL GENERATOR**

*Udayan*

Director  
ITS Engineering College  
Greater Noida





ACCELERATOR ENHANCER FOR EV



D SOLAR

*K. Jayaram*  
Director  
ITS Engineering College  
Greater Noida