



**PROJECT CODE UNNATI (IN
PARTNERSHIP WITH SAP LABS)**

**Submitting innovative idea and Entrepreneurship
development**

Report On

WIRELESS CHARGING ELECTRIC CAR

By

Saniya Sultana & Akshatha H V

Under The Guidance Of

Sri. SHIVARAJ. H. A.

Lecturer

Dept. of Mechanical Engineering
HKES Polytechnic Y-Camp Raichur 584135



HKES Polytechnic Y-Camp Raichur-584135

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INTRODUCTION

Why do we need for wireless power transfer?

The transmission of energy from one place to other without cables.

Wireless mainly falls into two parts:

- Radiative WPT: This is basically for longer distances transmission.
- Non-Radiative WPT: This is basically for short distances transmission.

Non-Radiative WPT:

- Power is transferred by magnetic fields using inductive coupling between coils and wire.
- In this project we use inductive coupling.

Objective of our PROJECT

To develop a system in which we use RENEWABLE SOURCE So we use SOLAR ENERGY.

To charge electric vehicle wirelessly when running.

Need of this Technology

- As it will encourage the use electric vehicle even in remote areas where transmission line is not present as it is solar driven.
- Reduce the need of large and heavy battery for electric vehicle.
- No need to stop for charging as it can charge continuously when in operation.
- This also contribute in reducing pollution.

LIST OF COMPONENT & SPECIFICATION USED IN MODEL

Sl no	Component	Quantity	Specification
1	Solar Panel	1	12V
2	Backlit sheet	1	30*22
3	DC motor	4	200rpm
4	Lead acid Rechargeable batteries	4	4V,1.5Ah
5	Clamps	10	Iron
6	Connecting jump wires	4	10
7	Screw nuts and bolts	20	Mild steel
8	LCD Display	1	Digital
9	LED Lamps	2	Red
10	Microcontroller	1	5V 10mA
11	Transmitter and reciever coil	2	Copper
12	1N4007	1	1
13	Voltage Regulator	1	1
14	Filter	4	1
15	Rectifier	2	1



UDYAM REGISTRATION CERTIFICATE

UDYAM REGISTRATION NUMBER

UDYAM-KR-23-0021400

NAME OF ENTERPRISE

SANIYA SULTANA

TYPE OF ENTERPRISE *

SNo.	Classification Year	Enterprise Type	Classification Date
1	2023-24	Micro	23/11/2023

MAJOR ACTIVITY

MANUFACTURING

SOCIAL CATEGORY OF
ENTREPRENEUR

OBC

NAME OF UNIT(S)

S.No.	Name of Unit(s)
1	Wireless Charging electric car

OFFICIAL ADDRESS OF
ENTERPRISE

Flat/Door/Block No.	51	Name of Premises/ Building	NA
Village/Town	Asapur	Block	Raichur
Road/Street/Lane	Raichur Road	City	Raichur
State	KARNATAKA	District	RAICHUR, Pin 584103
Mobile	9164718261	Email:	qamarjahan7886@gmail.com

DATE OF INCORPORATION /
REGISTRATION OF ENTERPRISE

10/11/2023

DATE OF COMMENCEMENT OF
PRODUCTION/BUSINESS

10/11/2023

NATIONAL INDUSTRY
CLASSIFICATION CODE(S)

SNo.	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit	Activity
1	27 - Manufacture of electrical equipment	2790 - Manufacture of other electrical equipment	27900 - Manufacture of other electrical equipment	Manufacturing

DATE OF UDYAM REGISTRATION

23/11/2023

*** In case of graduation (upward/reverse) of status of an enterprise, the benefit of the Government Schemes will be availed as per the provisions of Notification No. S.O. 2119(E) dated 26.06.2020 issued by the M/o MSME.**

Disclaimer: This is computer generated statement, no signature required. Printed from <https://udyamregistration.gov.in> & Date of printing:- 27/11/2023

For any assistance, you may contact:

1. District Industries
Centre:

RAICHUR (KARNATAKA)

2. MSME-DFO:

HUBLI (KARNATAKA)

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सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
Ministry of Micro, Small & Medium Enterprises

Udyam Registration Number : UDYAM-KR-23-0021400

Type of Enterprise	MICRO	Major Activity	Manufacturing
Type of Organisation	Others	Name of Enterprise	Saniya Sultana
Owner Name	KUMARI NAFIZ NAAZ	PAN	CPRPN0430H
Do you have GSTIN	No	Mobile No.	9164718261
Email Id	qamarjahan7886@gmail.com	Social Category	OBC
Gender	Female	Specially Abled(DIVYANG)	No
Date of Incorporation	10/11/2023	Date of Commencement of Production/Business	10/11/2023

Bank Details

Bank Name	IFS Code	Bank Account Number
canara bank	CNRB0011861	18162010037630

Employment Details

Male	Female	Other	Total
10	5	0	15

Investment in Plant and Machinery OR Equipment (in Rs.)

SNo.	Financial Year	Enterprise Type	Written Down Value (WDV)	Exclusion of cost of Pollution Control, Research & Development and Industrial Safety Devices	Net Investment in Plant and Machinery OR Equipment[(A)-(B)]	Total Turnover (A)	Export Turnover (B)	Net Turnover [(A)-(B)]	Is ITR Filled?
1	2021-22	Micro	100000.00	100000.00	0.00	100000.00	0.00	100000.00	No

Unit(s) Details

SN	Unit Name	Flat	Building	Village/Town	Block	Road	City	Pin	State	District	Add
1	Wireless Charging electric car	51	NA	Asapur	Raichur	Raichur road	Raichur	584103	KARNATAKA	RAICHUR	23/1

Official address of Enterprise

सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय Ministry of Micro, Small & Medium Enterprises		Name of Premises/ Building		NA	
Village/Town	Asapur	Block	Raichur		
Road/Street/Lane	Raichur Road	City	Raichur		
State	KARNATAKA	District	RAICHUR , Pin : 584103		
Mobile	9164718261	Email:	qamarjahan7886@gmail.com		
Latitude	16.073862269753743	Longitude:	76.89016786494757		
National Industry Classification Code(S)					
SNo.	Nic 2 Digit	Nic 4 Digit	Nic 5 Digit	Activity	Ad
1	27 - Manufacture of electrical equipment	2790 - Manufacture of other electrical equipment	27900 - Manufacture of other electrical equipment	Manufacturing	23/
Are you interested to get registered on Government e-Market (GeM) Portal					Yes
Are you interested to get registered on TReDS Portals(one or more)					Yes
Are you interested to get registered on National Career Service(NCS) Portal					Yes
Are you interested to get registered on NSIC B2B Portal					Yes
Are you interested in availing Free .IN Domain and a business email ID					Yes
Date of Udyam Registration					23/11/2023
Last Updated Date					

UDYAM REGISTRATION

Ministry of MSME
Udyog bhawan - New Delhi

Email: champions@gov.in

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Video

USAGE OF FIRST TRANCHE

Sl no	Component	Quality	Amount
1.	Traction lead acid battery pack	6	15000
2.	DC-DC Microcontrollers	1	3000
3.	Electric motor	1	5000
4.	Power inverter	1	3500
5.	Copper coils Rectifier	1	3000
6.	Vehicle Chassis	1	9000
7.	Transmitting copper Coils	1	3000
8.	Wheel	4	7200
9.	Shaft	4	2200
10.	Body	01	5000
TOTAL			55900/-

USAGE OF SECOND TRANCHE

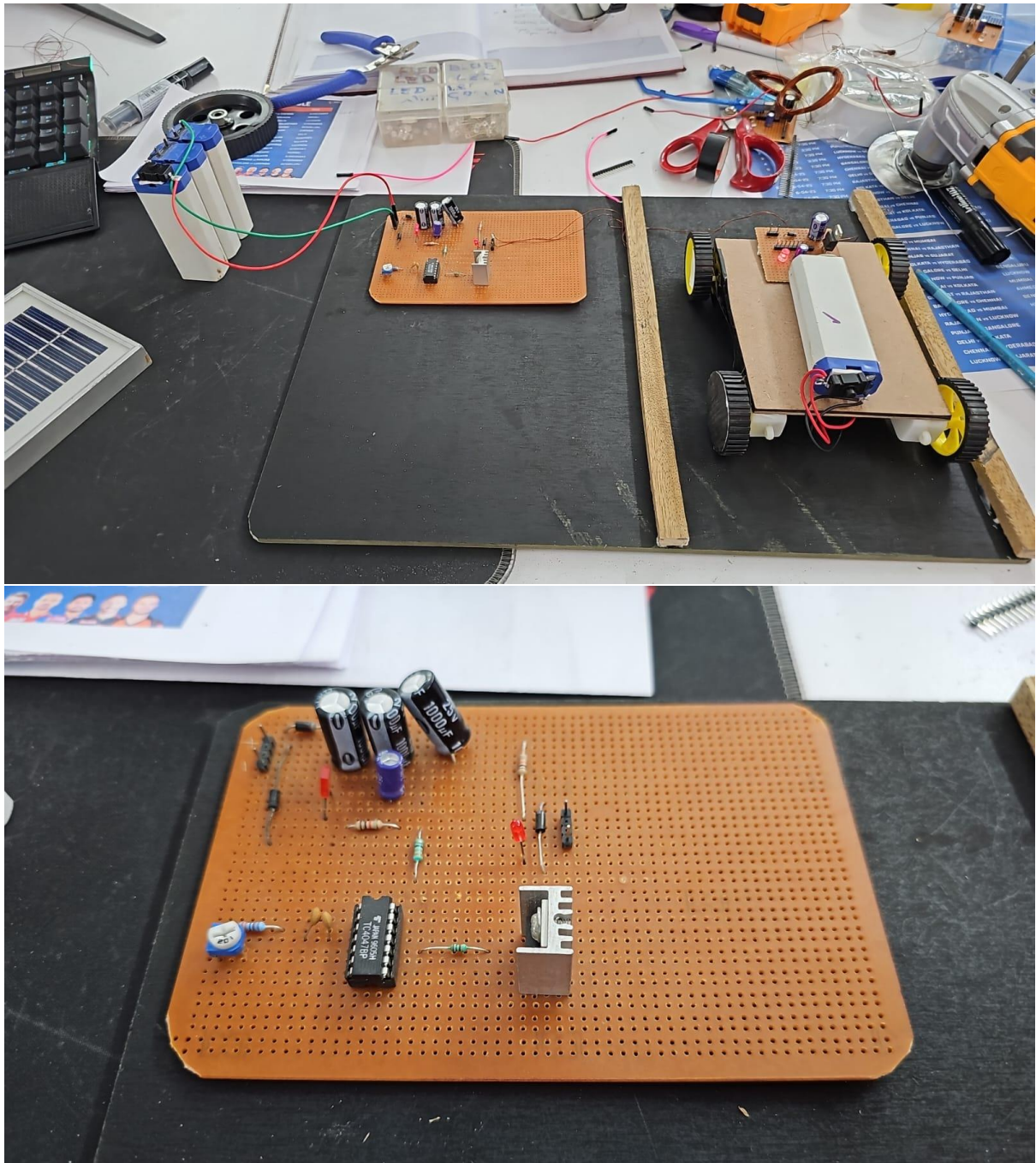
Sl no	Component	Quality	Amount
1	Solar panel	14	15000
2	Construction of road	1	9000
3	Sensors	8	1500
4	Wiring	18	8000
5	Switches	13	1400
6	LED Lights	10	450
7	Generator	1	5600
8	Clamps & Nuts bolts	35	1600
9	Indicators and speedometer	4	3000
10	Miscellaneous	--	5500
TOTAL			51050/-

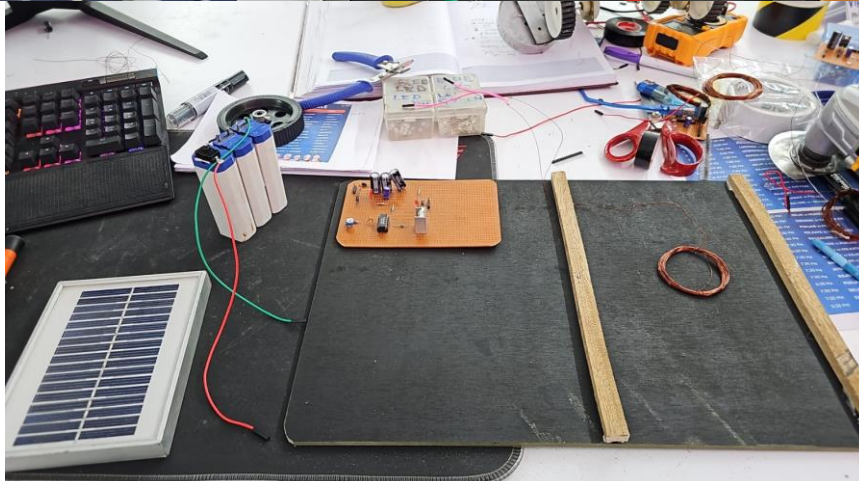
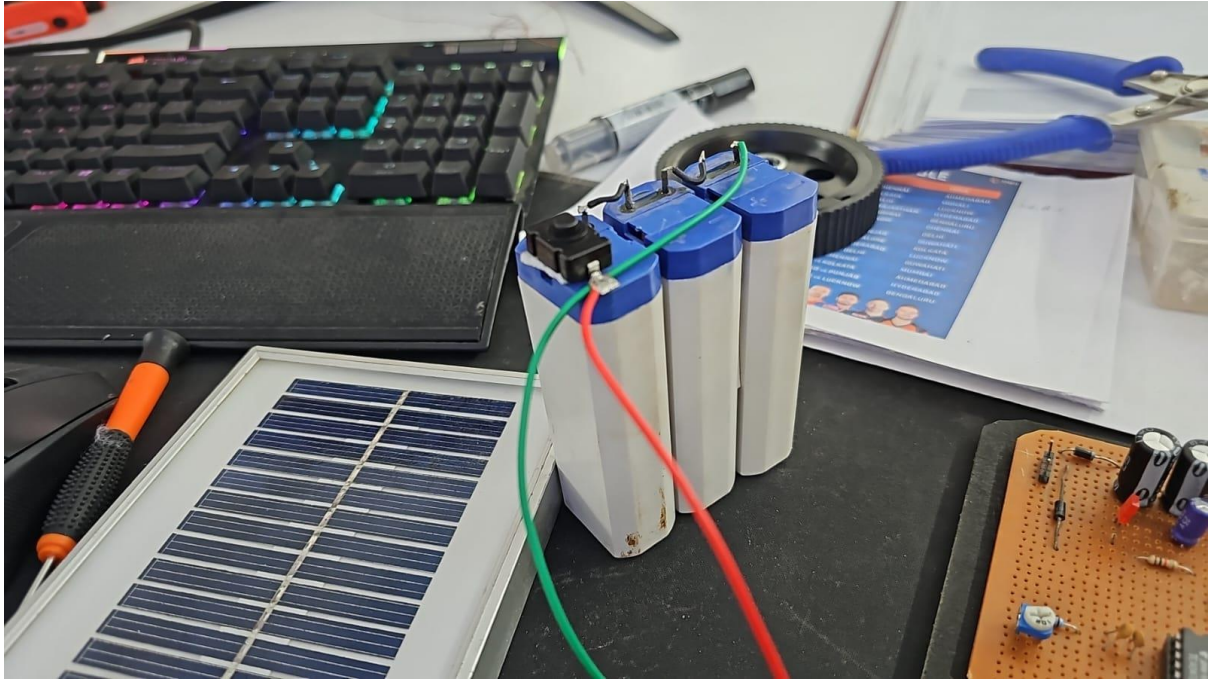
BUSINESS IDEA

Static EV charging simply means the EV is not moving while charging. Rather than plugging in, the wireless-equipped EV is parked over the installed wireless charging coil in the designated space. Eventually, induction charging is expected to be built into the roadways so that owners can charge their EVs continuously as they go. It will work similarly to regular wireless charging and is expected to operate smoothly at speeds up to 65 mph, allowing EV owners to drive long distances without having to stop for a charge or risk running out of power.

Pictures of Prototype:









Winner Certificate

This certificate is presented to

Saniya Sultana

Winner of the "Youth Innovation Challenge" felicitated with Rupees 1 lakh seed funding to develop his/her ideas into a social enterprise under Project Code Unnati, Karnataka

Mr. VINOD PRABHU B
Managing Director
Seventh Sense Talent Solutions