

# **Wireless Electric Vehicle Charging System**

***A Project Report submitted in partial fulfilment of the requirements for the award of the Degree of***

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

*Submitted by*

M. MOHANA KRISHNA	17U41A0209
M. KIRAN	17U41A0208
K. SHIVAKARTHIK	17U41A0207
E. PURNIMA PRIYANKA	18U45A0211
K. CHAKRA SURENDRA NAIDU	17U41A0226

*Under the Esteemed Guidance of*  
**Mr. D. R. CH. NOOKESH, M. Tech, (PhD).**  
Assistant Professor, Department of EEE



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**NH-5, Anakapalle-531002, Visakhapatnam, A.P.**

**2021**



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**CERTIFICATE**

This is to certify that the Project work entitled "Wireless Electric Vehicle Charging System" is a being submitted by M. MOHANA KRISHNA (17U41A0209), M. KIRAN (17U41A0208), K. SHIVAKARTHIK (17U41A0207), E. PURNIMA PRIYANKA (18U45A0211), K. CHAKRA SURENDRA NAIDU (17U41A0226) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for IN ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2020-21.

  
**Mr.D.R.Ch.Nookesh,M.Tech,(Phd)**  
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**Mr.A.Krishna Nag M.Tech,(Phd)**  
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Head of the Department  
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EXTERNAL EXAMINER

# **DUAL POWER GENERATION (SOLAR AND WIND GENERATOR)**

***A Project report submitted in partial  
Fulfilment of the required for the award of Degree of  
BACHELOR OF TECHNOLOGY***

**IN  
ELECTRICAL & ELECTRONICS ENGINEERING**

*Submitted by*

<b>D.MANOJ</b>	(18U45A0208)
<b>D.VENKATESH</b>	(17U41A0201)
<b>A.PAVAN KALYAN</b>	(18U45A0202)
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<b>CH.DURGA VENKATESH</b>	(18U45A0205)

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**2021**

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This is to certify that the Project work entitled **“DUAL POWER GENERATION (SOLAR AND WIND GENERATOR)”** is being submitted by D.MANOJ (18U45A0208), D.VENKATESH (17U41A0201), A.PAVAN KALYAN (18U45A0202), B.SANKAR (17U41A0225) and CH.DURGA VENKATESH (18U45A0205) in partial fulfilment of the requirement for the award of the Degree of **BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING** during the academic year 2020-21.

A handwritten signature in blue ink, appearing to read "K. Srinivasa Rao".

Mr.K.SRINIVASA RAO  
Assistant Professor  
**PROJECT GUIDE**

A handwritten signature in blue ink, appearing to read "A. Krishna Nag".

Mr. A. KRISHNA NAG  
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Anakapalle - 531 002

**EXTERNAL EXAMINER**

# **CNC DRAWING MACHINE**

*A Project Report submitted in partial fulfilment of the*

*requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

*Submitted by*

T.Purnachand	18U45A0235
Y.Dileep Kumar	18U45A0234
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S.Pavan Kumar	18U45A0243

*Under the Esteemed Guidance of*

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### CERTIFICATE

This is to certify that the Project work entitled "CNC DRAWAING MACHINE" is a being submitted by T.PURNACHAND(18U45A0235), Y.DILEEPKUMAR(18U45A0234),S.AKHIL(18U45A0230),V.AYYAPASWAMI(18U45A0233),S.PAVANKUMAR(18U45A0243),partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY FOR ELECTRICAL AND ELECTRONICS ENGINEERING during the academics year 2020-21.

  
(PROJECT GUIDE)

  
(HEAD OF THE DEPARTMENT)

Head of the Department  
Electrical & Electronics Engg.  
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EXTERNAL EXAMINER

**A CASCADED H-BRIDGE MULTILEVEL INVERTER  
WITH REDUCED NUMBER OF SWITCHES**

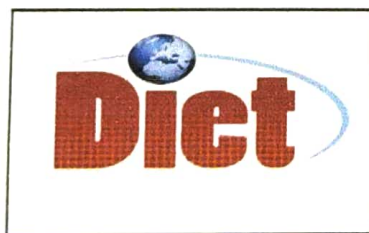
*A Project Report submitted in partial fulfilment of the  
requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY  
IN  
ELECTRICAL AND ELECTRONICS ENGINEERING**

**Submitted by**

<b>P.DHARANI PRIYANKA</b>	<b>18U45A0229</b>
<b>CH.DURGA PRASAD</b>	<b>18U45A0262</b>
<b>P.LALITHA</b>	<b>18U45A0236</b>
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<b>D.MADHAN KUMAR</b>	<b>18U45A0238</b>

*Under the Esteemed Guidance of*  
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**CERTIFICATE**

This is to certify that the Project work entitled "A CASCADED H-BRIDGE MULTILEVEL INVERTER WITH REDUCED NUMBER OF SWITCHES" is being submitted by P DHARANI PRIYANKA (18U45A0229), CH DURGA PRASAD (18U45A0262), P LALITHA (18U45A0236), B GOPI CHAND (18U45A0249), D MADHAN KUMAR (18U45A0238) in partial fulfilment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2020-21.

  
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**EXTERNAL EXAMINER**



**SMART CAR PARKING SYSTEM USING IoT AND  
ARDUINO**

*A Project Report submitted in partial fulfillment of  
the requirements for the award of the Degree of*  
**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

*Submitted by*

P. CHANDANA	18U45A0220
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P. VARALAKSHMI	176K1A0212
V. LAHITHA	17U41A0219
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This is to certify that the Project work entitled "**SMART CAR PARKING SYSTEM USING IoT AND ARDUINO**" is a being submitted by P. CHANDANA (18U45A0220), G MANIKANTA (18U45A0213), P. VARALAKSHMI (176K1A0212), V. LAHITHA (17U41A0219), U. CHANDHAN KUMAR (17U41A0218) in partial fulfilment of the Requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** for **ELECTRICAL & ELECTRONICS ENGINEERING** during the academic year 2020-21.

Mr. A. KRISHNA NAG

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Anakapalle - 531 002

Dr. R SRINIVAS RAO  
EXTERNAL EXAMINER

**DESIGN OF INTERLEAVED BUCK  
CONVERTER FOR ELECTRIC VEHICLE  
CHARGING USING MATLAB/SIMULINK**

*A Project Report submitted in partial  
fulfillment of the requirements for the award  
of the Degree of*

**BACHELOR OF TECHNOLOGY  
IN  
ELECTRICAL & ELECTRONICS  
ENGINEERING**

*Submitted by*

DEVADULA ESWARA SARASWATHI	18U45A0210
NAGIREDDI RAVITEJA	17U41A0210
BHASKARA GOWTHAM ALLAVARAPU	17U41A0223
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## **CERTIFICATE**

This is to certify that the project report entitled "**DESIGN OF INTERLEAVED BUCK CONVERTER FOR ELECTRIC VEHICLE CHARGING USING MATLAB/SIMULINK**"

submitted by DEVADULA ESWARA SARASWATHI(18U45A0210), NAGIREDDI RAVITEJA (17U41A0210), BHASKARA GOWTHAM ALLAVARAPU (17U41A0223), NAKKINA DHANA SAI(18U45A0218), KESAMSETTI MOHAN BABU (17U41A0206) in partial fulfillment of the requirements for award of the Degree of BACHELOR OF TECHNOLOGY IN ELECTRICAL & ELECTRONICS ENGINEERING, FROM DADI INSTITUTE OF ENGINEERING & TECHNOLOGY (approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTU, Kakinada) is a record of bona fide work carried out by them under my guidance and supervision.

Mr. K. Vijay Kumar B.E., M.E., (Ph.D.)  
Associate Professor

**PROJECT SUPERVISOR**

Mr. A Krishna Nag B. Tech., M. Tech., (Ph.D.)  
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**HEAD OF DEPARTMENT- EEE**

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**EXTERNAL EXAMINER**

# **VEHICLE ACCIDENT PREVENTION AND ACCIDENT DETECTION SYSTEM**

*A Project Report*

*Submitted in partial fulfillment of the requirements*

*For the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

Submitted by

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K.SAI MANI KRISHNA	(18U45A0214)
SHIVAM PANDEY	(17U41A0216)
S.SUNITHA	(17U41A0215)

Under the Esteemed guidance of

**Mrs. K. Alfoni Jose**

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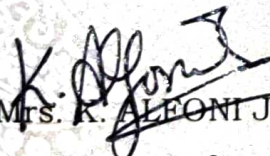
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**NH-16, Anakapalle-531002, Visakhapatnam, Andhra Pradesh**

## **CERTIFICATE**

This is to certify that the Project work entitled **“VEHICLE ACCIDENT PREVENTION AND ACCIDENT DETECTION SYSTEM”** is being submitted by **CH.YAMINI (18U45A0206), M.VENKATESH (18U45A0216), K.SAI MANI KRISHNA (18U45A0214), SHIVAM PANDEY (17U41A0216)** and **S.SUNITHA (17U41A0215)** in partial fulfilment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING** during the academic year 2020-21.

  
Mrs. K. ALFONI JOSE

Assistant Professor

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Associate Professor

**HEAD OF THE DEPARTMENT**

Head of the Department  
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Anakapalle - 531 002

**EXTERNAL EXAMINER**

# **MONITORING OVERLOAD CONDITIONS OF TRANSFORMER USING GSM TECHNOLOGY**

*A Project Report*

*Submitted in partial fulfillment of the requirements*

*For the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

Submitted by

M.CHARAN TEJA (18U45A0215)

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Under the Esteemed guidance of

**Mrs. K. Aloni Jose**

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## **CERTIFICATE**

This is to certify that the Project work entitled **“MONITORING OVERLOAD CONDITIONS OF TRANSFORMER USING GSM TECHNOLOGY”** is being submitted by M.CHARAN TEJA (18U45A0215), K.NOOKESH (17U41A0204), P.MURALI SHANKAR (18U45A0219), E.TARUN KUMAR (18U45A0212), D.SAI SREENU (18U45A0207) in partial fulfilment of the requirement for the award of the degree of **“BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING”** during the academic year 2020-21.

  
Mrs. K. ALFONI JOSE

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**EXTERNAL EXAMINER**



# **AUTOMATIC IRRIGATION SYSTEM**

*A Project Report submitted in partial fulfilment of the requirements for the award of the Degree of*

## **BACHELOR OF TECHNOLOGY**

**IN**

## **ELECTRICAL AND ELECTRONICS ENGINEERING**

*Submitted by*

N.KASI VISWANADH	(17U41A0211)
P.GANGADHAR	(17U41A0212)
M.KUMAR RAJA	(18U45A0217)
D.MANOJ KUMAR	(18U45A0209)
A.JYOSHNA	(18U45A0201)

*Under the Esteemed Guidance of*

**Mr. J Deleep Kumar**

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### **CERTIFICATE**

This is to certify that the Project work entitled "AUTOMATIC IRRIGATION SYSTEM" is a being submitted by N.KASI VISWANADH (17U41A0211), P.GANGADHAR (17U41A0212), M.KUMAR RAJA (18U45A0217), D.MANOJ KUMAR (18U45A0209), and A.JYOSHNA (18U45A0201) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2021.

**Mr. J. DELEEP KUMAR**  
**(ASSOCIATE PROFESSOR)**  
(PROJECT GUIDE)

**Mr. A. KRISHNA NAG**  
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EXTERNAL

**DESIGNING AN OVER VOLTAGE PROTECTION  
SYSTEM USING IOT**

**A Project Report Submitted in partial fulfilment of the  
requirements for the award of the degree of**

**BACHELOR OF TECHNOLOGY**

**In**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

Submitted By

P. Somesh	(17U41A0214)
U. Nagendra Prasad	(17U41A0217)
P. Syamala	(17U41A0213)
Ch. Lakshmi Prasanna	(17U41A0202)
K. Srinivas	(17U41A0205)

Under the Esteemed guidance of

**Mr. G. JAGADEESH**

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**2021**

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This is to certify that the Project work entitled **“DESIGNING AN OVER VOLTAGE PROTECTION SYSTEM USING IOT”** is being submitted by P. Somesh(17U41A0214), in partial fulfilment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL & ELECTRONICS ENGINEERING** during the academic year 2020-21.

  
**PROJECT GUIDE**

Mr G. JAGADEESH  
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Mr. A. Krishna Nag  
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Anakapalle - 531 002

**EXTERNAL EXAMINER**

# **Power quality improvement by using DSTATCOM Using Matlab/Simulink**

**A Project report submitted in partial Fulfillment of the  
required for the award of Degree of**

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL & ELECTRONICS  
ENGINEERING**

**Submitted by**

- |                       |              |
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| 1. B Suneetha         | (18U45A0204) |
| 2. Y Poornachadra Rao | (17U41A0222) |
| 3. K Raju             | (17U41A0224) |
| 4. G Maheshwari       | (17U41A0203) |
| 5. B Radha            | (18U45A0203) |

**Under the Esteemed Guidance of**

**Mr. T Ramesh Babu, M. Tech**  
Assistant Professor, Department of EEE



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**NH-5, Anakapalle-531002, Visakhapatnam, A.P**



## **CERTIFICATE**

This is to certify that the project work entitled **“Power Quality Improvement by Using D-STATCOM Using Matlab/Simulink”** is a being submitted by 1. B Suneetha (18U45A0204), 2. Y Poornachadra Rao (17U41A0222), 3. K Raju (17U41A0224), 4. G Maheshwari (17U41A0203) and 5. B Radha (18U45A0203) in partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering, from DADI INSTITUTE OF ENGINEERING & TECHNOLOGY (approved by A.I.C.T.E., New Delhi & Affiliated to JNTU, Kakinada) is a record of bona fide work carried out by them under my guidance and supervision.



**Mr. T Ramesh Babu  
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**EXTERNAL EXAMINER**

**ALERT SYSTEM FOR SPECIALLY ABLED**  
*A Project Report submitted in partial fulfilment of the  
requirements for the award of the Degree of*  
**BACHELOR OF TECHNOLOGY IN**  
**ELECTRICAL AND ELECTRONICS ENGINEERING**

*Submitted by*

<b>K.MANJUSHA</b>	<b>(18U45A0232)</b>
<b>P.NAVEEN KUMAR</b>	<b>(18U45A0223)</b>
<b>Y.HOMESH</b>	<b>(18U45A0228)</b>
<b>T.TEJESWAR</b>	<b>(18U45A0227)</b>
<b>CH.N.S.ADI SEKHAR</b>	<b>(18U45A0239)</b>

*Under the Esteemed Guidance of*  
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**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**  
(Approved by A.I.C.T.E, New Delhi & Permanently Affiliated to JNTU, Kakinada)

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**NH-16, Anakapalle-531002, Visakhapatnam, A.P.**

**2021**



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**CERTIFICATE**

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EXTERNAL EXAMINER



# **AUTOMATIC IRRIGATION SYSTEM**

***A Project Report submitted in partial fulfilment of the requirements for the award of the Degree of***

## **BACHELOR OF TECHNOLOGY**

**IN**

## **ELECTRICAL AND ELECTRONICS ENGINEERING**

*Submitted by*

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This is to certify that the Project work entitled "AUTOMATIC IRRIGATION SYSTEM" is a being submitted by B.DIVYA (18U45A0245), P.DURGA MAHALAKSHMI (18U45A0221), K.SIVAJI (18U45A0250), K.VENKATA GANESH (18U45A0259), and A.VIJAY KUMAR (18U45A0253) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2018-21.

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EXTERNAL

**ARDUINO BASED ANDROID CONTROLLED  
ROBOTIC ARM**

*A Project Report submitted in partial fulfilment of the  
requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

*Submitted by*

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**CERTIFICATE**

This is to certify that the Project work entitled "ARDUINO BASED ANDROID CONTROLLED ROBOTIC ARM" is a being submitted by L HARITHA (18U45A0242), P MOUNIKA (18U45A0231), K JAYA SAGAR (18U45A0251), A KIRAN (18U45A0260), K JANARDHAN RAO (18U45A0261) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2020-21.

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EXTERNAL EXAMINER

# **REAL TIME BASED IOT AUTOMATION WITH FEEDBACK LOOPS**

**A Project Report**

**Submitted in partial fulfillment of the requirements for the  
award of the Degree of**

**BACHELOR OF TECHNOLOGY IN  
ELECTRICAL AND ELECTRONICS ENGINEERING**

Submitted by

S.SAI	(18U45A0255)
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## **CERTIFICATE**

This is to certify that the Project work entitled "REAL TIME BASED IOT AUTOMATION WITH FEEDBACK LOOPS" is being submitted by S.SAI (18U45A0255), K. PAVANKALYAN (18U45A0244), G. KASUBABU (18U45A0237), S. SURESH (18U45A0226), A.SAI KISHOR (18U45A0264). in partial fulfilment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2020-21.

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**EXTERNAL EXAMINER**

**AUTOMATIC ON AND OFF OF IRRIGATION PUMP  
USING IOT TECHNOLOGY**

***A Project Report submitted in partial fulfilment of the  
requirements for the award of the Degree of  
BACHELOR OF TECHNOLOGY***

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

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**NH-16, Anakapalle-531002, Visakhapatnam, A.P**

### **CERTIFICATE**

This is to certify that the Project work entitled "**AUTOMATIC ON AND OFF OF IRRIGATION PUMP USING IOT TECHNOLOGY**" is a being submitted by B.VENKATA APARNA (18U45A0254), R APPALARAJU (18U45A0224), A SRINU (18U45A0256), P SRINU (18U45A0222), K RAJESH (18U45A0258) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2020-21.

  
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EXTERNAL EXAMINER



**GRID CONNECTED 100KW SOLAR PV SYSTEM USING  
MATLAB OR SIMULINK**

***A Project Report submitted in partial fulfilment of the  
requirements for the award of the Degree of  
BACHELOR OF TECHNOLOGY***

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

*Submitted by*

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U MAHESH	18U45A0248
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This is to certify that the Project work entitled "GRID CONNECTED 100KW SOLAR PV SYSTEM USING MATLAB OR SIMULINK" is a being submitted by A BHARATHI (18U45A0240), D SANTHOSH SAI GANESH (18U45A0263), U MAHESH (18U45A0248), P MANIKANTA (18U45A0247), U H V S SAI (18U45A0252) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2018-21.

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EXTERNAL

**FLEX SENSOR BASED SMART  
GLOVE FOR SPECIALLY ABLED**

*A Project Report submitted in partial fulfilment of the  
requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

*Submitted by*

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**2021**



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Certified Institution

NH-16, Anakapalle-531002, Visakhapatnam,  
A.P

**CERTIFICATE**

This is to certify that the project work entitled "FLEX SENSOR BASED SMART GLOVE FOR SPECIALLY ABLED" has been carried out by I.SRAVAN KUMAR (18U45A0241), G.MANOJ (18U45A0246), M.FAIZ AMAN ALI (18U45A0257) and A.ROYAL PREM (18U45A0265), Submitted in partial fulfillment of the requirement for the Award of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2020-2021

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EXTERNAL EXAMINER