

| SCIENT INSTITUTE OF TECHNOLOGY<br>DEPT.OF EEE<br>B.Tech IV YEAR MAJOR PROJECT BATCH WISE LIST (18-22 BATCH) |                    |                     |                                                                                 |                              |
|-------------------------------------------------------------------------------------------------------------|--------------------|---------------------|---------------------------------------------------------------------------------|------------------------------|
| BATCH NO                                                                                                    | HALL TICKET NUMBER | NAME OF THE STUDENT | NAME OF THE TITLE                                                               | NAME OF THE INTERNAL GUIDE   |
| 1                                                                                                           | 18C01A0207         | D.Likhitha          | IOT based smart waste management system(embedded)                               | Dr.Y.V.Bala Rama Krishna Rao |
|                                                                                                             | 18C01A0204         | B.ChandraSekhar     |                                                                                 |                              |
|                                                                                                             | 18C01A0211         | K.Pavan Kumar       |                                                                                 |                              |
| 2                                                                                                           | 18C01A0218         | M.Ruchitha          | Improved hybrid switched inductor/ switched capacitor DC-DC converters( matlab) | Mr.B.Sreenivas               |
|                                                                                                             | 19C05A0222         | U.ShivaSai          |                                                                                 |                              |
|                                                                                                             | 18C01A0222         | N.RamuNaik          |                                                                                 |                              |
| 3                                                                                                           | 18C01A0221         | Md.Galib Pasha      | Solar based fast tag charger for electrical vehicle(embedded)                   | Mr.B.sreenivas               |
|                                                                                                             | 18C01A0203         | B.Madhu             |                                                                                 |                              |
|                                                                                                             | 19C05A0216         | K.Praveen           |                                                                                 |                              |
| 4                                                                                                           | 19C05A0201         | A.Umamahesh         | Photo voltaic modeling using single diode model in MATLAB                       | Mr.V.Nagaraju                |
|                                                                                                             | 19C05A0203         | B.TarakaSoundarya   |                                                                                 |                              |
|                                                                                                             | 19C05A0205         | CH.Roja             |                                                                                 |                              |
|                                                                                                             | 19C05A0223         | Y.Harishkumar       |                                                                                 |                              |
| 5                                                                                                           | 19C05A0208         | J.Devendar          | Third eye for visually challenged using echolocation technology(embedded)       | Dr.Y.V.Bala Rama Krishna Rao |
|                                                                                                             | 18C01A0215         | K.Swamy             |                                                                                 |                              |
|                                                                                                             | 18C01A0220         | M.Hanmadas          |                                                                                 |                              |
| 6                                                                                                           | 19C05A0209         | J.VishalVardhanGoud | Design of ultra fast electric vehicle battery charger ( MATLAB )                | Dr.Y.V.Bala Rama Krishna Rao |
|                                                                                                             | 18C01A0205         | B.Ganesh            |                                                                                 |                              |
|                                                                                                             | 19C05A0213         | K.Lavanya           |                                                                                 |                              |
| 7                                                                                                           | 19C05A0211         | K.Bhargavi          | Smart irrigation and crop protection using Aurdino(embedded)                    | Mr.V.Nagaraju                |
|                                                                                                             | 19C05A0212         | K.Rajesh            |                                                                                 |                              |
|                                                                                                             | 19C05A0220         | P.Srisailam         |                                                                                 |                              |
| 8                                                                                                           | 19C05A0217         | M.Jithendar Reddy   | ZSI supported DSTATCOM for Plug-in Electrical Vehicle Charging station(MATLAB)  | Mr.K.Srisailam               |
|                                                                                                             | 18C01A0223         | P.Praveen           |                                                                                 |                              |
|                                                                                                             | 18C01A0228         | V.LokeshNaik        |                                                                                 |                              |
|                                                                                                             | 19C05A0206         | J.Naveen            |                                                                                 |                              |
| 9                                                                                                           | 19C05A0219         | M.Mounika           | Design of IOT based Multi functional Camouflage military robot(embedded)        | Mr.B.Sreenivas               |
|                                                                                                             | 18C01A0206         | CH.Swathi           |                                                                                 |                              |
|                                                                                                             | 17C05A0204         | K.Krishnaveni       |                                                                                 |                              |
|                                                                                                             | 19C05A0202         | A.VinayRao          |                                                                                 |                              |
| 10                                                                                                          | 19C05A0221         | Syed Baba           | Vector control of 3-phase Induction motor(MATLAB)                               | Mr.V.Nagaraju                |
|                                                                                                             | 18C01A0210         | J.ShivaSai          |                                                                                 |                              |
|                                                                                                             | 19C05A0207         | J.Shiva Kumar       |                                                                                 |                              |
|                                                                                                             | 19C05A0218         | M.Praveen           |                                                                                 |                              |

PROJECT COORDINATOR

HOD

Head of the Department (B.E.E.)  
SCIENT INSTITUTE OF TECHNOLOGY  
Ibrahimpatnam-501 505, R.R. Dist

PRINCIPAL  
Scient Institute of Technology  
Ibrahimpatnam, R. R. Dt. - 501 505

**A MAJOR PROJECT REPORT  
ON  
"IOT BASED SMART WASTE MANAGEMENT  
SYSTEM"**

**Submitted in partial fulfillment of the requirement for the award of degree of  
Bachelor of Technology**

**In  
ELECTRICAL AND ELECTRONICS ENGINEERING**

**SUBMITTED BY**

**B. CHANDRASHEKAR (18C01A0204)**

**D. LIKHITHA (18C01A0207)**

**K. PAVAN KUMAR (18C01A0211)**

**Under the guidance of**

**Dr. Y. V. BALARAMA KRISHNA RAO**

**Professor And HOD**



**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

**SCIENT INSTITUTE OF TECHNOLOGY**

**Ibrahimpattam (M), Ranga Reddy – 501506**

**(Affiliated to Jawaharlal Nehru Technological University Hyderabad)**

**2021-2022**

**PRINCIPAL**

**Scient Institute of Technology  
Ibrahimpattam, R. R. Dist. - 501 506**

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A MAJOR PROJECT REPORT  
ON

# **“Improved Hybrid Switched Inductor and Switched Capacitor DC-DC Converter”**

Submitted in partial fulfillment of the requirement for the award of the degree of

**Bachelor of Technology**

In

**ELECTRICAL AND ELECTRONICS ENGINEERING**

**SUBMITTED BY**

|              |            |
|--------------|------------|
| M. RUCHITHA  | 18C01A0218 |
| U. SHIVA SAI | 19C05A0222 |
| N. RAMU NAIK | 18C01A0222 |

Under the guidance of

**Mr.B. Sreenivas , M. Tech**

**Assistant. Professor**



**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING  
SCIENT INSTITUTE OF TECHNOLOGY**

(Ibrahimpattam, R.R. Dist., Telangana, 501506)

(Affiliated to Jawaharlal Nehru Technological University-Hyderabad)

**2021-2022**

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Scient Institute of Technology,  
Ibrahimpattam, R. R. Dist. - 501 506.

A MAJOR PROJECT REPORT  
ON  
**"SOLAR BASED FAST TAG CHARGER FOR  
ELECTRIC VEHICLES"**

Submitted to JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY  
KUKATPALLY, HYDERABAD

In partial fulfillment of the requirement for the award of the degree of

**BACHELOR OF TECHNOLOGY**

In

**ELECTRICAL AND ELECTRONICS ENGINEERING**

SUBMITTED BY

|                |            |
|----------------|------------|
| MD.GALIB PASHA | 18C01A0221 |
| B.MADHU        | 18C01A0203 |
| K.PRAVEEN      | 19C05A0216 |

Under the guidance of

Mr.B.Sreenivas  
Asst. Professor



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

**SCIENT INSTITUTE OF TECHNOLOGY**

Approved by AICTE, and Affiliated to JNTU Hyderabad, NAAC Accredited  
(Ibrahimpatnam, R.R. Dist., Telangana, 501506)

2021-2022

PRINCIPAL  
Scient Institute of Technology  
Ibrahimpatnam, R. R. Dist. - 501 506



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**A MAJOR PROJECT REPORT  
ON  
"DESIGN OF ELECTRIC VEHICLE CHARGER USING  
SEPIC CONVERTER"**

**Submitted in partial fulfillment of the requirement for the award of degree of  
Bachelor of Technology**

**In  
ELECTRICAL AND ELECTRONICS ENGINEERING**

**SUBMITTED BY**

|                     |            |
|---------------------|------------|
| A.UMAMAHESHI        | 19C05A0201 |
| B.TAARAKA SOUNDARYA | 19C05A0203 |
| CH.ROJA             | 19C05A0205 |
| Y.HARISH KUMAR      | 19C05A0223 |

**Under the guidance of**

**Mr.V.NAGARAJU M.Tech**

**Assistant Professor**



**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

**SCIENT INSTITUTE OF TECHNOLOGY**

**Ibrahimpatnam (M), Ranga Reddy - 501506**

**(Affiliated to Jawaharlal Nehru Technological University-Hyderabad)**

**2021-2022**

  
**PRINCIPAL**  
**Scient Institute of Technology,**  
**Ibrahimpatnam, R. R. Dt. - 501 506**

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**A MAJOR PROJECT REPORT  
ON  
"THIRD EYE FOR VISUALLY CHALLENGED USING ECHOLOCATION  
TECHNOLOGY"**

Submitted in partial fulfillment of the requirement for the award of degree of  
**Bachelor of Technology**

**In  
ELECTRICAL AND ELECTRONICS ENGINEERING**

**SUBMITTED BY**

|             |            |
|-------------|------------|
| J.DEVENDAR  | 19C05A0208 |
| K. SWAMY    | 18C01A0215 |
| M. HANMADAS | 18C01A0220 |

**Under the guidance of  
Dr.Y.V.BALARAMA KRISHNA RAO  
Professor & HOD**



**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING  
SCIENT INSTITUTE OF TECHNOLOGY**

Ibrahimpattam (M), Ranga Reddy – 501506  
(Affiliated to Jawaharlal Nehru Technological University-Hyderabad)

**2021-2022**

**PRINCIPAL  
Scient Institute of Technology  
Ibrahimpattam, R. R. Dt. - 501 506**



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A MAJOR PROJECT REPORT ON  
**"DESIGN OF ULTRA FAST ELECTRIC  
VEHICLE BATTERY CHARGER"**

Submitted to JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY  
KUKATPALLY, HYDERABAD

In partial fulfillment of the requirement for the award of the degree of

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

**SUBMITTED BY**

|                              |                   |
|------------------------------|-------------------|
| <b>B.GANESH</b>              | <b>18C01A0205</b> |
| <b>J.VISHAL VARDHAN GOUD</b> | <b>19C05A0209</b> |
| <b>K. LAVANYA</b>            | <b>19C05A0213</b> |

Under the guidance of

**Dr. Y. V. BALARAMA KRISHNA RAO**  
Professor & HOD



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING  
SCIENT INSTITUTE OF TECHNOLOGY

Approved by AICTE, and Affiliated to JNTU Hyderabad, NACC Accredited  
(Ibrahimpattam, R.R. Dist., Telangana, 501506)

2021-2022

  
**PRINCIPAL**  
Scient Institute of Technology  
Ibrahimpattam, R. R. Dist., Telangana, 501506

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**A MAJOR PROJECT REPORT**  
**ON**  
**"SMART IRRIGATION AND CROP PROTECTION**  
**USING ARDUINO"**

Submitted in partial fulfillment of the requirement for the award of degree of

**Bachelor of Technology**  
**In**  
**ELECTRICAL AND ELECTRONICS ENGINEERING**

**SUBMITTED BY**

|             |            |
|-------------|------------|
| K.BHARGAVI  | 19C05A0211 |
| K.RAJESHI   | 19C05A0212 |
| P.SRISAILAM | 19C05A0220 |

**Under the guidance of**

**Mr. V.NAGARAJU**  
**Assistant Professor**



**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

**SCIENT INSTITUTE OF TECHNOLOGY**

**Ibrahimpattanam (M), Ranga Reddy - 501506**

**(Affiliated to Jawaharlal Nehru Technological University-Hyderabad)**

**2021-2022**



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**PRINCIPAL**  
**Scient Institute of Technology**  
**Ibrahimpattanam, R. R. Dt - 501506.**



A MAJOR PROJECT REPORT ON  
**"ZSI SUPPORTED DSTATCOM FOR PLUGIN  
ELECTRICAL VEHICLE CHARGING STATION"**

*Submitted to the*

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY  
KUKATPALLY, HYDERABAD**

*In partial fulfillment of the requirement for the award of the degree of*  
**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

**BY**

|                          |                   |
|--------------------------|-------------------|
| <b>MLJITHENDER REDDY</b> | <b>19C05A0217</b> |
| <b>V.LOKESH NAIK</b>     | <b>18C01A0228</b> |
| <b>J.NAVEEN</b>          | <b>19C05A0206</b> |
| <b>P.PRABEEN</b>         | <b>18C01A0223</b> |

Under the guidance of

**Mr.K.SRISAILAM**  
Assistant Professor



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING  
SCIENT INSTITUTE OF TECHNOLOGY

Approved by AICTE, and Affiliated to JNTU Hyderabad  
(Brahmapatnam, R.R. Dist., Telangana, 501506, ESTD.2001)

**2021-2022**

**PRINCIPAL**

**Scient Institute of Technology,  
Brahmapatnam, R. R. Dt. -501 506.**

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**A MAJOR PROJECT REPORT ON  
"Design of IOT Based Multifunctional Camouflage Military  
Robot"**

**Submitted to JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY  
KUKATPALLY, HYDERABAD**

**In partial fulfillment of the requirement for the award of the degree of**

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

**SUBMITTED BY**

**M MOUNIKA (19C05A0219)**

**CH SWATI (18C01A0206)**

**K KRISHNAVENI (17C05A0204)**

**A VINAY RAO (19C05A0202)**

**Under the guidance of**

**B. SREENIVAS**

**Asst. Professor**



**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

**SCIENT INSTITUTE OF TECHNOLOGY**

**Approved by AICTE, and Affiliated to JNTU Hyderabad, NACC Accredited  
(Ibrahimpattam, R.R. Dist., Telangana, 501506)**

**2021-2022**

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**PRINCIPAL  
Scient Institute of Technology  
Ibrahimpattam, R. R. Dist., 501506**

**A MAJOR PROJECT REPORT  
ON  
"VECTOR CONTROL OF THREE PHASE INDUCTION  
MOTOR"**

**Submitted in partial fulfillment of the requirement for the award of degree of  
Bachelor of Technology**

**In  
ELECTRICAL AND ELECTRONICS ENGINEERING**

**SUBMITTED BY**

|                      |                   |
|----------------------|-------------------|
| <b>SYED BABA</b>     | <b>19C05A0221</b> |
| <b>M.PRAVEEN</b>     | <b>19C05A0218</b> |
| <b>J.SHIVA KUMAR</b> | <b>19C05A0207</b> |
| <b>J.SAI SHIVA</b>   | <b>18C01A0210</b> |

**Under the guidance of**

**Mr.V.NAGARAJU M.Tech**

**Assistant Professor**



**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING  
SCIENT INSTITUTE OF TECHNOLOGY**

**Ibrahimpattam (M), Ranga Reddy - 501506**

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**PRINCIPAL**  
**Scient Institute of Technology**  
**Ibrahimpattam, R. R. Dt. - 501 506**

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