



**VIVEKANANDHA COLLEGE OF  
ENGINEERING FOR WOMEN  
(AUTONOMOUS)**

**Elayampalayam, Tiruchengode - 637205.**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**STUDENT FUND APPLIED REPORT (2020-2021)**

| S. No | Name of the Student  | Name of the Guide                     | Name of the Funding Agency           | Title of the Proposal   | Date of Applied | Status  | Proposed Amount in Rs. |
|-------|--|---------------------------------------|--------------------------------------|---|-----------------|---|------------------------|
| 1     | Ms.T.Elakkiya<br>Ms.D.Alageshwari<br>Ms.S.Dhivya<br>Ms.P.Abirami             | Mr.M.Thiruppathi<br>Mr.S.Balakrishnan | TNSI                                 | Automatic Gravy and Semi-Gravy making Machine                                 | 6 months        | Selected for final                                  | 1,00,000               |
| 2     | S.Ramadevi<br>K.Sonia<br>M.Subbulakshmi<br>S.Suruthi<br>D.Yazhini<br>Chellam | Mr.S.Gnanamurugan                     | TNSCST                               | Belligerent's For Robot with Night Vision Wireless Camera using RF Technology | 2020            | Selected  | 7500                   |
| 3     | T.Saranya<br>G.C.Priya<br>Suvega.R   | Mr.T.Manikandan                       | AICTE-Chhatra Viswakarma Awards 2020 | Smart agriculture Management without Internet                                 | 15.12.2020      | Applied & Shortlisted for Regional convection       | 9595                   |
| 4     | Rithika Chandran   | Mr.S.Balakrishnan                     | Institution's Innovation Council     | Periyar Paper Shuffling Machine   | 2020            | Shortlisted & got 27th position out of 127 projects | 12,00,000              |

|                     |   |                   |                               |                    |          |      |             |                 |
|---------------------|---|-------------------|-------------------------------|--------------------|----------|------|-------------|-----------------|
| 5                   | Janashri N<br>Devadharshini E<br>Megavarshini G | Mr.S.Balakrishnan | TNSI 2020<br>Ideation<br>Camp | Smart<br>Detection | Obstacle | 2020 | Shortlisted | 50,000          |
| <b>TOTAL AMOUNT</b> |   |                   |                               |                    |          |      |             | <b>1,97,095</b> |

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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**STUDENT PROJECTS APPLIED REPORT (2019-2020)**

| S. No | Name of the Student   | Name of the Guide                | Name of the Funding Agency | Title of the Proposal  | Date of Applied | Status   | Proposed Amount in Rs. |
|-------|---|----------------------------------|----------------------------|--|-----------------|----------|------------------------|
| 1.    | Ms.C.Rithika<br>Ms.M.Vishvapriya<br>Ms.R.Sivambika<br>Ms.A.Revathi                            | Mr.S.Balakrishnan                | MSME                       | Electricity from Dry Leaves  | -               | Selected | 9900                   |
| 2.    | Ms.C.Rithika<br>Ms.M.Vishvapriya<br>Ms.R.Sivambika<br>Ms.M.Narmatha(BT)<br>Ms.P.Pavithra(EEE) | Dr.P.Kannan<br>Mr.S.Balakrishnan | MSME                       | An integrative process of wastewater treatment with power generation and organic fertilizer production | -               | Selected | 11,370                 |
| 3.    | Bhuvanansri.M<br>Gowthami.R<br>Hema.K<br>Kankanala Saipriya                                   | Mr.Manikandan                    | TNSCS<br>T                 | Smart Traffic Light Control System   | 28.08.2019      | Applied  | 10,000                 |
| 4.    | Gayathri Devi.L<br>Divyajothi.B<br>Brindhya.K<br>Kousalya.S                                   | Dr.T.S.Jeyali Laseetha           | TNSCS<br>T                 | PC Based Wireless Appliance Control  | 28.08.2019      | Applied  | 10,000                 |

|    |                               |                  |            |                        |            |         |        |
|----|-------------------------------|------------------|------------|------------------------|------------|---------|--------|
| 5. | Kalaichelvi.V<br>Indhumathi.K | Ms. Mariyammal A | TNSCS<br>T | Conversion of Audio CD | 28.08.2019 | Applied | 10,000 |
|----|-------------------------------|------------------|------------|------------------------|------------|---------|--------|

|     |  |                     |            |   |            |         |        |
|-----|--|---------------------|------------|---|------------|---------|--------|
|     | Keerthana.R<br>Ramya.N                                       |                     |            | Player to Video<br>CD Player using<br>Microcontroller |            |         |        |
| 6.  | Babysree.R<br>Janani.G.K<br>Mythily.T.<br>R Mythili.P        | Mr.Tamilmani        | TNSCS<br>T | Automati<br>c Railway Gate<br>Controller              | 28.08.2019 | Applied | 10,000 |
| 7.  | Abina.R<br>Kavibharathy.K<br>Kokila.K<br>Menaka.E            | Mr. Ravi.S          | TNSCS<br>T | Car<br>Parking System<br>using IR Sensor              | 28.08.2019 | Applied | 10,000 |
| 8.  | Keerthana.S<br>Malathi.D<br>Arthika.S<br>Mythily Meenakshi.J | Mr. M.Balasubramani | TNSCS<br>T | Automati<br>c Plant Watering<br>System                | 28.08.2019 | Applied | 10,000 |
| 9.  | Janani.S<br>Keertana.R.N<br>Arthi.R<br>Baranika.A            | Mr.S.Ramesh.        | TNSCS<br>T | Solar<br>Charging<br>Handbag                          | 31.08.2019 | Applied | 10,000 |
| 10. | Janani.V<br>Hemavathy.T<br>Gayathri.M<br>Janaki.K            | Mr. Thiruppathi M   | TNSCS<br>T | Bluetoot<br>h Controlled<br>Home<br>Application.      | 28.08.2019 | Applied | 10,000 |
| 11. | Arthi.T.E<br>Divya.C<br>Jeevitha.P<br>Gayathri.V             | Mr. Nagarajan P     | TNSCS<br>T | Automatic<br>Garbage<br>Collecting<br>System.         | 28.08.2019 | Applied | 10,000 |
| 12. | Anuja.P<br>Divyaprabha.S                                     | Dr. Jayachitra S    | TNSCS<br>T | LiFi Technology                                       | 28.08.2019 | Applied | 10,000 |

|     |  |                                  |            |   |            |         |        |
|-----|--|----------------------------------|------------|---|------------|---------|--------|
|     | Dharshinipriya.R<br>Karthika.D   |                                  |            |   |            |         |        |
| 13. | Naganivashini.V<br>Gayathiri.R<br>Janani.S.P<br>Monika.S   | Mr.S.Ramesh                      | TNSCS<br>T | Intelligence<br>Ambulance Alert<br>in Traffic<br>System.  | 31.08.2019 | Applied | 10,000 |
| 14. | Alageshwari.D<br>Anitha.K<br>Abirami.P<br>Elakkiya.T   | Mr. Thiruppathi M                | TNSCS<br>T | Automatic Sambar<br>Making Machine<br>via HMI   | 31.08.2019 | Applied | 10,000 |
| 15. | Ms.C.Rithika<br>Ms .M.Vishvapriya<br>Ms .R.Sivambika<br>Ms .M.Narmatha (Bio<br>Tech)<br>Ms .P.Pavithra (Eee) | Dr.P.Kannan<br>Mr.S.Balakrishnan | TNSCS<br>T | An Integrative<br>Treatment of<br>Wastewater<br>with Power<br>Generation and<br>Organic<br>Fertilizer<br>Production | 31.08.2019 | Applied | 10,000 |
| 16. | Ms .V.Thanusha<br>Ms<br>.A.Yokeswari<br>Ms .S.Vinitha<br>Ms. S.Pavithra<br>Ms .P.Yasotha                     | Mr.Surendar                      | TNSCS<br>T | IoT Based<br>campus<br>management<br>system   | 31.08.2019 | Applied | 10,000 |
| 17. | Ms J. Preethi<br>Ms G.Nivedhitha<br>Ms .S.Sneha<br>Ms .E.Nivetha<br>Mrs .A.Revathi                           | Mrs.S.Kokila                     | TNSCS<br>T | Rotating LED<br>Display   | 31.08.2019 | Applied | 10,000 |
| 18. | Ms .V.Sowmiya<br>Ms .M.Nasriya<br>Ms .S.Ranjani<br>Ms .S.Susmitha<br>Ms .S.Sangeetha                         | Dr.E.Kamalavathi                 | TNSCS<br>T | Low Cost<br>LPG Leakage<br>Detector   | 31.08.2019 | Applied | 10,000 |

|     |  |                   |        |  |            |         |        |
|-----|--|-------------------|--------|--|------------|---------|--------|
| 19. | Ms .J.Sasmitha<br>Ms .K.Sayasree<br>Ms .S.Selvaprabha<br>Ms .S.Shalini<br>Ms .V.Swetha     | Ms.A.Mariyammal   | TNSCST | Coal miner's<br>Safety<br>Monitoring<br>using wireless<br>sensor network | 31.08.2019 | Applied | 10,000 |
| 20. | Ms .V.Thanusha<br>Ms<br>.A.Yokeswari<br>Ms .S.Vinitha<br>Ms. S.Pavithra<br>Ms .P.Yasotha   | Mr.S.Gnanamurugan | TNSCST | War Field<br>Spying Robot<br>With Night<br>Vision Wireless<br>Camera     | 31.08.2019 | Applied | 10,000 |
| 21. | Ms .D.Yazhinichellam<br>Ms M.Subalakshmi<br>Ms .K.Sonia<br>Ms .S.Suruthi<br>Ms .S.Ramadevi | Mr.S.Ravi         | TNSCST | Automatic<br>Vehicle Turning<br>Indicator                                | 31.08.2019 | Applied | 10,000 |
| 22. | Mrs .C.Vinisha<br>Ms .P.Shanmugapriya<br>Ms .R.Susmitha<br>Ms .S.Shalini<br>Ms .R.Rubasree | Dr.R.Vinothkanna  | TNSCST | Mobile Phone<br>Detector Using<br>Op-Amp                                 | 31.08.2019 | Applied | 10,000 |
| 23. | Ms .P.Priyanka<br>Ms .B.Sudarvizhi<br>Ms .R.Nivetha<br>Ms .A.Sofhiya                       | Ms.R.S.Mathu Bala | TNSCST | Theft Detection<br>Using Iot   | 31.08.2019 | Applied | 10,000 |
| 24. | Ms .R.M.Sri<br>Nivetha Ms<br>.S.Saranya<br>Ms .K.A.Nivetha<br>Ms .S.K.Yashika              | Mr. P.Sasikumar   | TNSCST | Alcohol<br>Detection And<br>Automatic<br>Engine Locking<br>System        | 31.08.2019 | Applied | 10,000 |
| 25. | Ms .A.Narmatha<br>Ms .K.Pooja  |                   | TNSCST | Smart Elderly<br>care using  | 31.08.2019 | Applied | 10,000 |

|                         |  |                   |            |   |            |         |        |               |
|-------------------------|--|-------------------|------------|---|------------|---------|--------|---------------|
|                         | Ms .R.Rathnapriya<br>Ms V.Swetha                                       | Mr.K.Sathishkumar |            | ZIGBEE<br>Network   |            |         |        |               |
| 26.                     | Ms .S.Shobana<br>Ms .A.Vennila<br>Ms J.Nirupama<br>Ms M.Sowmya         | Mr.R.Selvaraj     | TNSCS<br>T | Wireless<br>Charging Of<br>Mobile Phones<br>Using<br>Microwaves | 31.08.2019 | Applied | 10,000 |               |
| 27.                     | Ms C.Priya<br>Ms B.Sandhiya<br>Ms A.Nisha                              | Mr.Tamilmani      | TNSCS<br>T | Car Parking<br>Using IR Sensor                                  | 31.08.2019 | Applied | 10,000 |               |
| 28.                     | Ms C.Rithika<br>Ms<br>M.Vishvapriya<br>Ms R.Sivambika<br>Mrs A.Revathi | Mr.S.Balakrishnan | TNSCS<br>T | Plant the Trees<br>and Tap the<br>Electricity                   | 31.08.2019 | Applied | 10,000 |               |
| <b>TOTAL<br/>AMOUNT</b> |  |                   |            |   |            |         |        | <b>47,270</b> |

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**STUDENT PROJECTS APPLIED REPORT (2018-2019)**

| S. No | Name of the Student  | Name of the Guide                    | Name of the Funding Agency | Title of the Proposal   | Date of Applied | Status                 | Proposed Amount in Rs. |
|-------|----------------------|--------------------------------------|----------------------------|---|-----------------|------------------------|------------------------|
| 1.    | Archana.R            | Mr.S.Gnanamurugan                    | TNSCST                     | Smart Note Taker  | 30.08.2018      | Applied                | 10,000                 |
|       | Kaviya.V             |                                      |                            |   |                 |                        |                        |
|       | Mahalakshmi.R        |                                      |                            |   |                 |                        |                        |
|       | Mehavarthini.N.M     |                                      |                            |   |                 |                        |                        |
| 2.    | Amsha.D              | Mr.P.Nagarajan                       | TNSCST                     | Trash Collector From Emitter  | 30.08.2018      | Applied                | 10,000                 |
|       | Jayasree.A.M         |                                      |                            |   |                 |                        |                        |
|       | Keerthana.P          |                                      |                            |   |                 |                        |                        |
|       | Abignya.A.R          |                                      |                            |   |                 |                        |                        |
| 3.    | Aarathi.P            | Mr.V.Karthikeyan                     | TNSCST                     | Eco Friendly Plastic Waste Disposal Vendor Machine  | 30.08.2018      | Approved and Completed | 7500                   |
|       | Divya.R              |                                      |                            |   |                 |                        |                        |
|       | Kirubasri.S          |                                      |                            |   |                 |                        |                        |
|       | Mehala.M             |                                      |                            |   |                 |                        |                        |
| 4.    | Fhameedha Sulthana.M | Dr.P.T.Kalaivaani                    | TNSCST                     | An Autonomous Wireless Body Area Network Implementation Towards Iot Connected Healthcare Applications | 30.08.2018      | Applied                | 12,000                 |
|       | Madhumitha.M         |                                      |                            |   |                 |                        |                        |
|       | Karthiga.R           |                                      |                            |   |                 |                        |                        |
|       | Aatheeswari.M        |                                      |                            |   |                 |                        |                        |
| 5.    | Abarna.D             | Dr.E.Kamalavathi<br>Mr.M.Gunasekaran | TNSCST                     | Android Based Industrial Fault Monitoring System  | 30.08.2018      | Applied                | 10,000                 |
|       | Monisha.S            |                                      |                            |   |                 |                        |                        |
|       | Bhuvaneshawri.B      |                                      |                            |   |                 |                        |                        |
|       | Moneshwari.M         |                                      |                            |   |                 |                        |                        |
| 6.    | Bhuvaneshwari.A      |                                      | TNSCST                     | Wrist Band Trolley Controller   | 30.08.2018      | Applied                | 10,000                 |
|       | Deepti               |                                      |                            |   |                 |                        |                        |
|       | Edupalli Baby Divya  |                                      |                            |   |                 |                        |                        |
|       | Kiruthika.G          |                                      |                            |   |                 |                        |                        |
| 7.    | Gokila Priya.S       | Dr.S.Jayachitra                      | TNSCST                     | Piezo Electric Harvesting –   | 30.08.2018      | Applied                | 10,000                 |

|     |  |                 |        |   |            |                        |       |
|-----|--|-----------------|--------|---|------------|------------------------|-------|
|     | Hemasruthi.P<br>Monika.T<br>Abirami.R                                    |                 |        | A Sustainable Approach To Clean Energy Generation In Airport Terminals    |            |                        |       |
| 8.  | Hemalatha.D<br>Gowselya.D<br>Keerthana.R(25.02.1998)<br>Alisha Sherina.W | Mr.M.Thirupathi | TNSCST | Vibration Harvesting In Railway Tunnel                                    | 30.08.2018 | Applied                | 8000  |
| 9.  | Anjugam.E<br>Anushiya Devi.K<br>Deviga.M<br>Gayathri.N                   | Mr.S.Ravi       | TNSCST | The System To Detect The Human Beings Buried Under The Earth Quake Rubble | 30.08.2018 | Applied                | 9000  |
| 10. | Kavinilavu.K.S<br>Keerthana.R<br>Madhumitha.V<br>Monisha.K               | Mr.S.Manikandan | TNSCST | Wireless Home Automation Using Iot  | 30.08.2018 | Applied                | 11000 |
| 11. | Anitha.P<br>Elakkiya.K<br>Baby.B<br>Ishwarya Meenakshi.S<br>Archana.C    | Mr.G.Ravikumar  | TNSCST | Design & Development Of Security Based Voting System For Government       | 30.08.2018 | Applied                | 10000 |
| 12  | Elakkiya.P<br>Gowri.G<br>Abinaya.V<br>Harshitha.B<br>Indhu.N             | Mr.R.Selvaraj   | TNSCST | Argo's Sea – Water Treatment Using Microwave Irradiation Technology       | 30.08.2018 | Approved and Completed | 7500  |

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|-------|---------------------|--------------------|----------------------------|---|-----------------|---------|------------------------|
| 13    | Sowndarya.R         | Mr.S.Gnanamurugan  | TNSCST                     | Design of broadband multistripped patch antenna for GSM application | 30.08.2018      | Applied | 8000                   |
|       | Vinu Nivethitha.R   |                    |                            |   |                 |         |                        |
|       | Swaathi.K.P         |                    |                            |   |                 |         |                        |
|       | Pounisa.G           |                    |                            |   |                 |         |                        |
| 14    | Yamini.M            | Ms.R.S.Mathubala   | TNSCST                     | Automated Unmanned Railway Level Crossing System                    | 30.08.2018      | Applied | 9000                   |
|       | Rajalakshmi.R       |                    |                            |   |                 |         |                        |
|       | Shalini.P           |                    |                            |   |                 |         |                        |
|       | Vimala.M            |                    |                            |   |                 |         |                        |
| 15    | Reena.N             | Ms.A.Mariyammal    | TNSCST                     | IoT based water quality monitoring system                           | 30.08.2018      | Applied | 11000                  |
|       | Tamilselvi.N        |                    |                            |   |                 |         |                        |
|       | Srimathi.G          |                    |                            |   |                 |         |                        |
|       | Uma Mageswari.S     |                    |                            |   |                 |         |                        |
| 16    | Rajprabha.J         | Mr.P.Sasikumar     | TNSCST                     | Piezo-Bike  | 30.08.2018      | Applied | 10000                  |
|       | Sangavi.N           |                    |                            |   |                 |         |                        |
|       | Malarvizhi.G        |                    |                            |   |                 |         |                        |
|       | Sountharyabanu.A    |                    |                            |   |                 |         |                        |
| 17    | Nithya.S            | Ms.M.Hemalatha     | TNSCST                     | Human Life Prevention From Shock Hazards                            | 30.08.2018      | Applied | 7500                   |
|       | Nivedha Varthini.P  |                    |                            |   |                 |         |                        |
|       | Sangeetha.S         |                    |                            |   |                 |         |                        |
|       | Roshini.P           |                    |                            |   |                 |         |                        |
| 18    | Priyanka.K          | Mr.M.Balasubramani | TNSCST                     | Sea Scanner using wireless senses Network for Defense and fisheries | 30.08.2018      | Applied | 10,000                 |
|       | Ranjani Priyaa.R    |                    |                            |   |                 |         |                        |
|       | Roshini.S           |                    |                            |   |                 |         |                        |
|       | Nivetha.M           |                    |                            |   |                 |         |                        |
|       | Pavitha.V.P         |                    |                            |   |                 |         |                        |
| 19    | Nivetha.P           | Mr.R.Prabhakar     | TNSCST                     | Touch Less Touch Screen Technology                                  | 30.08.2018      | Applied | 9000                   |
|       | Rajalakshmi.A       |                    |                            |   |                 |         |                        |
|       | Rathna.M            |                    |                            |   |                 |         |                        |
|       | Sangavi.K           |                    |                            |   |                 |         |                        |

|              |                  |                   |        |   |            |         |       |
|--------------|------------------|-------------------|--------|---|------------|---------|-------|
| 20           | Sowndaryaa.K     | Mr.S.Balakrishnan | TNSCST | Flexible & Stretchable power sources for wearable electronics | 30.08.2018 | Applied | 11000 |
|              | Priyadharshini.T |                   |        |   |            |         |       |
|              | Sowmiya.A        |                   |        |   |            |         |       |
|              | Priyanka.M       |                   |        |   |            |         |       |
| 21           | Reenu.R          | Mrs.S.Kokila      | TNSCST | Talk and Charge   | 30.08.2018 | Applied | 10000 |
|              | Sripriya.M       |                   |        |   |            |         |       |
|              | Suchithra.K      |                   |        |   |            |         |       |
|              | Vaishnavi.R      |                   |        |   |            |         |       |
| 22           | Saranya.S        | Dr.D.Sasikala     | TNSCST | Pollution less cities using pollution free vehicles           | 30.08.2018 | Applied | 8000  |
|              | Sudharshana.S    |                   |        |   |            |         |       |
|              | Ranjitha.S       |                   |        |   |            |         |       |
|              | Srileka.R        |                   |        |   |            |         |       |
| TOTAL AMOUNT |                  |                   |        |   |            | 20 9500 |       |

**R&D COORDINATOR**

**HOD/ECE**