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| 14th Innovation Day 2025 NEC Project Details | | | | | |
| Department of Electronics and Communication Engineering | | | | | |
| | | | | | |
| Year | No. of Students | Target Project (Automatically Genrates based on student strength 10:1) | | | |
| II | 128 | 12.8 | | | |
| III | 128 | 12.8 | | | |
| IV | 117 | 11.7 | | | |
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| <u>UNIQUE PROJECT</u> | | | | | |
| S No. | Project Title | Student Name | Roll No. | Year | Mentor Name & Place |
| 1 | Ardino based DIY components tester | M.Hariharan K.Madhu Sri E. Bharani Dharan Dhashnamoorthy | 22EC024 22EC048 22ECL03 22EC014 | III | Ms.Parameshwari V |
| 2 | Spirit Level Meter | Mayooria | 22EC055 | III | Ms.Parameshwari V |
| 3 | Smart Security Alert System | Vikashini S Varshini N Sumalesh Shri D | 23EC117 23EC114 23EC106 | II | Ms.Parameshwari V |
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| PROJECT LIST | | | | | |
|---------------------|---|---------------------|-----------------|-------------|-----------------------------------|
| S No. | Project Title | Student Name | Roll No. | Year | Mentor Name & Place |
| 1 | Smart Automated Human Entry Counter Using Raspberry pi pico W | Mokhanes A | 22EC058 | III | Mr.Jayachandran.T MP LAB |
| | | Mathiyarasu M | 22EC054 | III | |
| | | Kavin Prabhu R | 22EC042 | III | |
| | | Aravinth Kumar C | 22EC005 | III | |
| 2 | Industrial Safety System | Mithreshwaran S M | 22EC056 | III | Mr.Jayachandran.T MP LAB |
| | | Lazar Nithish G | 22EC047 | III | |
| | | Dinakar L | 22ECL04 | III | |
| 3 | Automatic Calling Bell using ESP32 | Chandru.V | 22EC009 | III | Mr.Jayachandran.T MP LAB |
| | | Karthik.V | 22EC037 | III | |
| | | Kishore.P | 22EC045 | III | |
| 4 | Bluetooth controller RC car | Dhilipkumar P | 22EC015 | III | Mr.D.Anandkumar Dept Lib / ECE |
| | | S.Balaji | 22EC008 | III | |
| | | S.Deepak Kumar | 22EC011 | III | |
| 5 | Smart Guide Stick For Blind People | Kelvin.N | 22EC044 | III | Mr.D.Anandkumar Dept Lib / ECE |
| | | Manoj.R | 22EC052 | III | |
| | | Dinesh.S | 22ECL05 | III | |
| 6 | Humidity and temperature monitoring using arduino uno | Gowtham.S | 22ECL07 | III | Mr.D.Anandkumar Dept Lib / ECE |
| | | Aravinth .M | 22ECL02 | III | |
| | | Mathan.S | 22EC053 | III | |
| 7 | Hexagon Shaped Lighting using Bluetooth | Devadharshini K | 22EC012 | III | Ms.Kokila P/ Antena Lab |
| | | Kavya S | 22EC043 | III | |
| | | Dhivya S | 22EC016 | III | |
| 8 | Mobile Phone and Cash UV disinfection | Harish Gm | 22ECL08 | III | Ms.Kokila P/ Antena Lab |
| | | Gobi G | 22ECL06 | III | |
| | | Harikrishnan N | 22EC026 | III | |

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|----|---|---------------------|---------|-----|----------------------------|
| 9 | Intelligent Road Path Hole Detector using Arduino | Divyadharshan S | 22EC017 | III | Ms.Kokila P/ Antena Lab |
| | | Abinandhan V | 22ECL01 | III | |
| | | Mohan Prasad P | 22EC057 | III | |
| 10 | Air Quality Control Monitor using Arduino and cloud Integration | K.Kanika | 22EC035 | III | Ms.Logeswari.V / IQAC |
| | | T.Ajay | 22EC003 | III | |
| | | N.Hanumesh | 22EC022 | III | |
| 11 | Solar Based Outdoor Lighting with Light and Human Detection | Abinaya M | 22EC002 | III | Ms.Logeswari.V / IQAC |
| | | Indhuja S | 22EC031 | III | |
| | | Donasri S | 22EC018 | III | |
| 12 | Automatic Speed Control and Breaking System | Akash S | 22EC001 | III | Ms.Logeswari.V / IQAC |
| | | Hari Prasad N | 22EC028 | III | |
| | | Harish Ragavendra B | 22EC029 | III | |
| 13 | Propeller led clock using aurdino with Bluetooth | Karthikeyan T | 22EC040 | III | Ms.Monica R/ ESD LAB |
| | | ChellaMani A | 22EC010 | III | |
| | | Guru Gowshik R | 22EC021 | III | |
| 14 | IOT Based water supply management system | V Mythili | 22EC059 | III | Ms.Monica R/ ESD LAB |
| | | S.Aswigha | 22EC006 | III | |
| | | A.Karthika | 22EC038 | III | |
| 15 | portable DSO using rasperry pi pico | Indhumathi.S | 22EC032 | III | Ms.Monica R/ ESD LAB |
| | | Mayooria.G | 22EC055 | III | |
| | | Harinisree.K | 22EC027 | III | |

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| 16 | ATM cash availability indicator system | S Mallini | 22ECO50 | III | Mr.Srinevasan M/ Project Lab |
| | | T Dharani | 22EC013 | III | |
| | | C Kavnila | 22ECO41 | III | |
| 17 | SMART IRRIGATION SYSTEM FOR PRECISION FARMING | NAVEEN PRASANTH C | 22EC062 | III | Mr.Srinevasan M/ Project Lab |
| | | SAHAANA D | 22EC086 | III | |
| | | SANTHIYA K | 22EC090 | III | |
| 18 | DOOR LOCK SYSTEM USING REID WITH ARDUINO | NAVEEN K | 22EC061 | III | Mr.Srinevasan M/ Project Lab |
| | | PRANESH K B | 22EC070 | III | |
| | | SARATHI R | 22EC092 | III | |
| 19 | WET AND DRY WASTAGE SEGREGATION USING AUDRINO | NAVEENKUMAR P | 22EC063 | III | Mr.Rathana Sabhathy G Staff Cabin |
| | | PRASANTH S | 22EC072 | III | |
| | | SANTHOSH N | 22EC091 | III | |
| | | NAVIN KUMAR S | 22EC064 | III | |
| 20 | ARDUINO TEMPERATURE CONTROLLED FAN | PAVISHKUMAR A K | 22EC065 | III | Mr.Rathana Sabhathy G Staff Cabin |
| | | PRAKASH S | 22EC068 | III | |
| | | VISHNU V | 22EC116 | III | |
| 21 | IOT BASED SMART LOAD MANAGEMENT SYSTEM USING NODEMCU ESP32 | PRADEEP V | 22EC067 | III | Mr.Rathana Sabhathy G Staff Cabin |
| | | RAHUL S | 22EC082 | III | |
| | | VIGNESH J | 22EC105 | III | |
| 22 | ELECTRICITY CALCULATING DEVICES | PRANAV P R | 22EC069 | III | Ms.Niji P S / Dept Lib |
| | | SRI GOKULAPRIYAN D | 22EC095 | III | |
| | | VISHNU L | 22EC107 | III | |

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| 23 | IOT BASED VEHICLE ACCIDENT DETECTION AND RESCUE SYSTEM | PRAVEENA A | 22EC073 | III | Ms.Niji P S / Dept Lib |
| | | SOWMIYA M | 22EC094 | III | |
| | | NISHANTH P S | 22ECL12 | III | |
| 24 | IOT BASED TOXIC GAS LEVEL INDICATOR FOR SEWAGE WORKERS USING ESP8266 | PRITHIKA K S | 22EC075 | III | Ms.Niji P S / Dept Lib |
| | | RAGHAVI K B | 22EC080 | III | |
| | | SRI SIVA SANGARI S | 22EC096 | III | |
| 25 | PORTABLE COMPONENTS TESTER | PUNITHAVATHI B | 22EC078 | III | Mr.Prabhu C / Comm Lab |
| | | VISWADHARINI N | 22EC108 | III | |
| | | VITHYA SREE K | 22EC109 | III | |
| 26 | MARINE BORDER CROSSING BY FISHERMAN USING WIRELESS COMMUNICATION | RAJA SURYA E | 22EC083 | III | Mr.Prabhu C / Comm Lab |
| | | SULTANA BEGAM M | 22EC097 | III | |
| | | VARSHA S S | 22EC103 | III | |
| 27 | WIRELESS VISITOR COUNTER BASED ON ARDUINO MICROCONTROLLER. | RISHIKESH D | 22EC084 | III | Mr.Prabhu C / Comm Lab |
| | | SANJAY P | 22EC088 | III | |
| | | SURENDRAN M | 22EC098 | III | |
| 28 | SMART NOTICE BOARD USING ESP32 WROOM MICROCONTROLLER | NATHISH M | 22EC060 | III | Mr.Logamurthy P / Dept Lib |
| | | SANJAYKUMAR S | 22EC089 | III | |
| | | YUVAN SANKAR RAJA C | 22EC111 | III | |
| | | YOGESH G M | 22ECL15 | III | |
| 29 | DRIVING MONITORING SYSTEM | YUVASRI G | 22EC112 | III | Mr.Logamurthy P / Dept Lib |
| | | ANBU T K | 22EC113 | III | |
| | | SUDHAKAR G | 22EC115 | III | |

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| 30 | Smart Solar Inverter | LOGESH U | 23EC051 | II | Ms.V.Gunasundari EDC Lab |
| | | MOHAMED AJMAL THAGZEEN M | 23EC055 | II | |
| | | BHOOBALAN S | 23ECL02 | II | |
| 31 | Wireless Foldable Projector Screen System with Arduino Automation | ABINAYA R | 23EC001 | II | M.Srinevasan Project Lab |
| | | BALASRI K | 23EC005 | II | |
| | | CHANDHIRADEVI M | 23EC010 | II | |
| 32 | Intelligent IoT Based Water spraying System for Rooftop Gardens | DHANUSH K | 23EC014 | II | Ms.V.Gunasundari EDC Lab |
| | | DINESHKUMAR M | 23EC018 | II | |
| | | KARTHIKEYAN A | 23EC042 | II | |
| 33 | E-Vehicle Anti Fire Alarm System | DHAMOTHAR C | 23EC012 | II | Ms.V.Gunasundari EDC Lab |
| | | DINESH S | 23EC017 | II | |
| | | INIYA SRIDHAR D | 23EC036 | II | |
| 34 | Speaking System for Mute People Using Hand Gestures | AKASH U R | 23EC002 | II | Ms.V.Gunasundari EDC Lab |
| | | BHARATHKUMAR N | 23EC007 | II | |
| | | DHIVAN A | 23EC016 | II | |
| 35 | Two Wheeler Theft Detection by Vibration Sensing | RAGUL SREE R | 23EC073 | II | Mr.G.Prabhakaran PG Lab |
| | | PRADEEPKUMAR P | 23EC069 | II | |
| | | PREM M | 23EC072 | II | |
| 36 | Smart Head Lamp Control For Automobiles | SHOMAPRAKASH S | 23EC091 | II | Mr.G.Prabhakaran PG Lab |
| | | SURENDHAR B | 23EC065 | II | |
| | | SUHAIL HAMEED T | 23EC079 | II | |
| 37 | Flotable Waste Collector Using IOT | SUTHAKAR M | 23EC109 | II | Mr.G.Prabhakaran PG Lab |
| | | SRI VEDHA SAKIL K | 23EC100 | II | |
| | | SWARNAPRAKASH R | 23EC110 | II | |