# Open House 2023 Report

**Open House '23** being the **6th year legacy** of **VNR VJIET** brought a renewed spirit of innovation among students. The various projects depicted served to provide a practical approach and paved the way for incubating on them. With both Open House and IoT Club VNRVJIET collaborating, this edition facilitated more enthusiastic and futuristicprojects.

**"Open House-2023"** is held on **15-04-2023** at **VNRVJIET** in the premises of PG Block. The Open House 2023 is inaugurated by **Mr. Suresh Reddy Allam – Sr. Director Engineering Qualcomm** and **Mr. Krishna Prasad Manchikalapati – Engineering Leader, Uber India R & D Pvt Ltd**.

The projects were extensively scrutinized to ensure the best ideas procured a chance to be portrayed in Open House. The team ensured that there was no redundancy in ideas. Projects were mainly aimed at providing a social impact and solve the existent issues in society. Each project was provided with a banner and a slot so that all projects were clearly explicated to the audience.

Open House 2k23 saw a total of **235 path-breaking** projects. Each of them was a unique one with an enhanced significance. Various teams from other colleges too enthusiastically participated in the expo and illustrated their ideas. The students portraying the project also got good exposure and constructive feedbacks to improvise them. Overall, it proved to be a great learning platform. The day eventuated to a great experience which helped to enhance the various ideas portrayed and build concrete projects on them.

The college is looking forward to developing and materializing the ideas of these studentsby providing funds and getting them ready and viable for real-time applications.

A total of 235 projects were presented from all the departments of VNR VJIET and teams from other colleges. The following are the list of department wise posters from VNR VJIET and other Colleges:

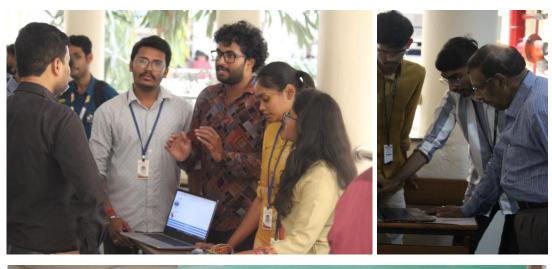| ECE  85 | CSE and Allied 36 | IT 39 | EEE 29 |
|---------|-------------------|-------|--------|
| MECH 18 | AE 7 | CE 7 | CSBS 5 |
| EIE 7 | Chemical 1 | AI & DS  1 | ZPHS 1 |

Four prizes were announced for the Open House participants( Ist Prize- Rs. 15,000/-, 2nd Prize - Rs. 10,000/-, 3rd Prize - Rs. 5000/- and Appreciation Prize- Rs. 4000/-).

**Few Glimpses of Faculty and students' participation in Open House 2023 organized in VNR VJIET:**

# List of Winners:

| | | | |
|---|---|---|---|
| **1** | Patient obligation perceiver using eye gestures | **VNR VJIET** | 1)Kancharla Gayatri Praharshita<br>2) Kunchala Sushma<br>3) Chunchu Ravi Varma<br>4) Mahankali Varun |
| | Wireless Automation Assistance for Paralyzed and Elders. | **VNR VJIET** | 1)Vishlavath Tarun<br>2) Bagumari Deepak goud<br>3)Kalali Dhanush goud<br>4) Venkata Viswas reddy |
| **2** | Electric cycle for easy mobility in heavy traffic. | **VNR VJIET** | 1)Deeti Sriram<br>2) Aakula Druvan<br>3) Sripada Satya Arahan<br>4) Guggilla Pujith Gupta |
| | A machine that saves time to do writing and drawing .It can be also be upgraded for PCB printing | **AAR Mahaveer** | 1)KOLAVENNU KUSHAL MANIKANTA<br>2) JAMMU GANESH KUMAR |
| **3** | Autonomous Robot for Mapping and Navigation | **VNR VJIET** | |
| | Traditional | **BVRIT** | 1)Ramagiri Ranesh<br>2) Parsa Akhil |

| | irrigation system | | 3) Dornipati Anirudh<br>4) Kotha keerthi priya |
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| **Appreciation** | Identification and display of depth of rainfall using tipping bucket rain gauge station. | **VNR VJIET** | 1)Zahir malik<br>2) Tanneru Gopi |
| | Debit card for children | **ZPHS School** | |

# List of Participants:

| Problem Statement | Team Members | College | Domain | Branch |
|---|---|---|---|---|
| Debit Card for Children | 1) Vivek Kumar (School Student)<br> 2) MD.Mansoor (School Student) | ZPHS Nehru Nagar,Qutbullapur | Hardware | 10th class |
| To build a voice assistant that would enable us to interact through voice. | 1) Nagula Vamshi Goud<br> 2) Mohammed Abdul Shafee<br> 3) Samineni Karthika Choudhary<br> 4) Nimma Lekha Sri Reddy | VNR VJIET | Software | ARTIFICIAL INTELLIGENCE AND DATA SCIENCE |
| A startup idea based on streetfood | 1) Abburi.Avanthika<br> 2) Dara.Karthikeya srivatsa. | VNR VJIET | Hardware | Automobile Engineering |
| Impact of mould vibration on the mechanical properties of Aluminium 6061alloy | 1) ARAVAPALLI NAVEEN<br> 2) Anam Nava Tej Reddy<br> 3) PUPPALA HRISHIKESH RAO | VNR VJIET | Hardware | Automobile Engineering |
| Electricity re-generation on principle of electro-magnetic induction & solenoid engine. For recharging in battery in ev's while running. | 1) Karthikeyasrivatsa Dara<br> 2) Avanthika Abburi | VNR VJIET | Hardware | Automobile Engineering |

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| Ai for safer road transportation | 1) Katta Ganesh 2) Mouli 3) Ashrith 4) Hemanth | VNR VJIET | Software | Automobile Engineering |
| Identification of adulterated fuel | 1) Palle Dikshith Reddy 2) P.V.V.Abhiram 3) Palle Dinesh Reddy | VNR VJIET | Hardware | Automobile Engineering |
| Sound Honking of a vehicle & App Development for Automotives | 1) PAVAN BHUKYA 2) VADTHYAVATH MALLESH 3) PORIKA VIJAY 4) PERUMANDLA HEMANTH | VNR VJIET | Hardware | Automobile Engineering |
| TRANSIENT THERMAL ANALYSIS IN FRICTION STIR WELDING OF DISSIMILAR AL ALLOYS | 1) Preetham Teja Ambati 2) Gukanti Sai Kishore 3) Bais Nishith Kumar | VNR VJIET | Hardware | Automobile Engineering |
| Find ways to mitigate these drawbacks and promote more effective and sustainable methods of composting. | 1) Anil Kumar 2) ShreyaSree 3) Vemaraju KeertiSri 4) Devaraya Swetha | VNR VJIET | Hardware | Civil Engineering |
| Eco friendly solution for human waste disposal | 1) D.Lakshmi Trishitha 2) Kamineni Bavya Sree | VNR VJIET | Hardware | Civil Engineering |
| Muddy(storm) street water filtering and storing in Rocky terrian and gated community | 1) KURAPATI RAVICHANDRA 2) chebrolu Madhusudhan 3) Devaraya Swetha 4) Velpula sevika | VNR VJIET | Hardware | Civil Engineering |
| A study on biodegradation of polypropylene by using co2 evolution test | 1) Moodavath sridhar nayak 2) K. Haripriya 3) N. Jyothi 4) L. Dharma teja | VNR VJIET | Hardware | Civil Engineering |
| With the help of concepts of IOT and Design thinking, these ID cards can be turned into Smart ID cards and make many processes easy with minimum effort and resources. | 1) Rizwan Shaik 2) Bhargav Vedula 3) Haasita Atyam | VNR VJIET | Hardware | Civil Engineering |
| In order to give a design without carrying out these tests, either the data from adjacent site is considered or some correlations are used to estimate the values of these properties. This at times might lead to an inaccurate design in case | 1) Rizwan Shaik 2) Srinu Dharavath | VNR VJIET | Software | Civil Engineering |

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| of heterogeneous nature of the soil. | | | | |
| Identification and display of depth of rainfall through mobile application including temperature and humidity using tipping bucket rain gauge station and sensors | 1) Zahir Malik 2) Tanneru Gopi | VNR VJIET | Hardware | Civil Engineering |
| Restricting Unauthorized Access using AWS Cloud | 1) Guru Bhargava S 2) Vallapuneni Uday Kiran 3) Satwik pallikondawar 4) Akshay Kumar P | VNR VJIET | Software | Computer Science and Business Systems |
| GAMIFIED LEARNING USING AUGMENTED REALITY | 1) Hruthik Lokesh 2) RUSHIKA ARVAPALLI 3) ROSHINI KONDISETTY 4) KOMARI PALLAVI | VNR VJIET | Software | Computer Science and Business Systems |
| Meaningful Dynamic Telugu Lyric Generation and Instrument Detection using NLP and ML | 1) Padmavathi Nayak 2) Bandarwar Shruthika 3) Jammula Srini 4) Hitaarth Jainn | VNR VJIET | Software | Computer Science and Business Systems |
| A platform where people can get to know all the events | 1) Sakshi Manoj Punwatkar 2) K. Gayatri 3) Saketh Vishwanatham | VNR VJIET | Software | Computer Science and Business Systems |
| Secure E-Voting using Blockchain | 1) Mihir Gadwalkar 2) S. Srinivas Midhun 3) Gadkol Nandini Goud 4) V. Ashish | VNR VJIET | Software | Computer Science and Business Systems |
| Weather app that gives the exact weather conditions, temperature and much more | 1) Batchu Madhav Reddy 2) Siddharth 3) M.Koushik Kumar Reddy | MARRI LAKSHMAN REDDY INSTITUTE of technology and management | Software | Computer Science Engineering (and allied branches) |
| The reliability of an employer is shown from his/her certificates with their experience in previous companies. This can be avoided by using systems like blockchain. | 1) Akula Rohith 2) Preetham Chandrababu Shinde 3) Tupili Clement Kevin Suchetan 4) Md. Shoieb Iqbal | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Automatic hand gesture recognition in real time | 1) Babu Karthik Tellakula 2) Pramod Geddada 3) Pranav Rao Peddi | VNR VJIET | Software | Computer Science Engineering (and allied branches) |

| | 4) Davu Nanda Surendhar | | | |
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| To predict the prices of grains. | 1) Bodanapati pavani<br>2) Mikkilineni varmini | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Given code in C,C++ it converts the code into Python | 1) Cheggoju Mourya<br>2) Bandi Sunil Kumar<br>3) Yasa Jeevan Reddy<br>4) Pabbisetty Venkata Siddharth | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Mid-day meals | 1) G UDHAY YADAV<br>2) Hemanth.T | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Meteorites prediction and analysis | 1) Gangishetty Manideep<br>2) Gummadi Mahesh Gandhi | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| OSTEOARTHRITIS KNEE REPLACMENT DETECTION | 1) Geethika Sajja<br>2) Kolkuri Ashika<br>3) C.Shiva Shashank Reddy<br>4) E.Vinutha | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Chatgpt base model architecture,which generates stories based on user selected author | 1) Ippa Abhijith<br>2) Anshitha Reddy Chandhireddy | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Unmasking Online Aggravators | 1) Jayanthi N V L Ashritha<br>2) Lekha Gaikwad<br>3) Goddeti Sai Renu<br>4) Jayanthi N V L Ashritha | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Unmasking Online Aggravators | 1) Jayanthi NVL Ashritha<br>2) Harshitha Naladala, Nirmayi Padachala<br>3) Lekha Gaikwad<br>4) Goddeti Sai Renu | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| The prevalence of snake bites among farmers and tribal people poses a significant threat to their lives and livelihoods. | 1) Kalimera Teja Kumar<br>2) Thanikella Venkata Nikhil<br>3) Akkala Karthik<br>4) Venkat Jagarlamudi | VNR VJIET | Hardware | Computer Science Engineering (and allied branches) |

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| Individuals who are paralyzed, have recently had surgery, or have unusual disorders such as Quadriplegia and Locked-In syndromes may be unable to move their bodies and have difficulties while communicating. Hence, it is necessary to have an Application that can convey their basic needs to the caretaker. | 1) Kancharla Gayatri Praharshita 2) Chunchu Ravi Varma 3) Mahankali Varun 4) Kunchala Sushma | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| desktop assistant | 1) Koya Prabhas 2) KRISHNASAGARAPU SRIRAM CHARAN 3) ajay viswas 4) mohit gupta | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Gene family classification based on DNA sequence using Machine learning and deep learning | 1) Lambavai Kummera Srinivas Karthik 2) Kuna Sneha | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Gene classification based on DNA sequence using Machine learning and deep learning | 1) LK SRINIVAS KARTHIK 2) KUNA SNEHA | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| A model that detects and warns the leakage of harmful gasses produced from chemical industries. | 1) M Vennela Reddy 2) N. Shivani Reddy 3) R. Nainika | VNR VJIET | Hardware | Computer Science Engineering (and allied branches) |
| Abnormal activity detection in recorded and live surveillance | 1) Mannem Alekhya Lakshmi 2) Kondepati Naga Shreya 3) Gurram Sai Shivani 4) Chushmitha Battula | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Malware Analysis and Code Assessment for a better application development and maintenance | 1) Mendu Kowshik Reddy 2) Bheemaraju Mani Chander 3) Mohammed Shahriyaar Ahmed 4) Maithre Samuel | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Systems that can interpret text descriptions to build an image allows humans to visually express their thoughts without words. | 1) Munnangi Pranathi 2) Tanuja Maloth 3) Harshita Chundru 4) Anusha Kadali | VNR VJIET | Software | Computer Science Engineering (and allied branches) |

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| Reliable driver drowsiness detection system which could alert the driver before an accident occurs. | 1) N.Purna Mani Chandana<br>2) N.Srivatsav<br>3) A.Janaki ram charan<br>4) J.Tejaswini | VNR VJIET | Hardware | Computer Science Engineering (and allied branches) |
| Analysis of soil, waterbodies, vegetation and manually identifying the correct crops to grow in a particular location is a tedious task. So it can be simplified with the help of remote sensin | 1) Naga Sreenija Meka<br>2) Anudeep Eloori<br>3) Rushikesh Reddy Dorolla<br>4) Nithish Kumar Chowdam | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Application provides a way to record and access information by the user in a simple and efficient way | 1) Pole Mohan<br>2) Aluru Lavanya<br>3) K. J. S. Virajitha | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Decentralised Peer to Peer Transport Services | 1) Ponnuru Rakshitha Reddy<br>2) Donthula Siddharth<br>3) Pendyala Pavan Kumar<br>4) Lekkala Likhitha | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Advanced Dry Waste Management System through Machine Learning and Blockchain technologies | 1) Prachet Yerramalla<br>2) Sushil Vemuri<br>3) Deeksha Bandineni<br>4) Veera Divyasri | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Virtual shopping in metaverse | 1) Rithika Singh<br>2) Vallabhu Haneesha<br>3) Yeshala Sri Varsha<br>4) Thammishetti Srija | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Generalized deep learning model for gastric, colon and renal cancer | 1) Rukmananda Reddy Abbidi<br>2) Velpula Tejaswini<br>3) Kommireddy Hiranmai Sai Supriya<br>4) Punna Akash | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Building A Blockchain System To Store Student's College Certificates | 1) Sairam Gundala<br>2) Kallam Sneha<br>3) Akansha Agarwal<br>4) Bharath Reddy Madha | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| IOT based Coal mine safety monitoring and alerting system | 1) Satyankar Rao Pariki<br>2) Abbu Sindhu<br>3) Saradhi Dharani | VNR VJIET | Hardware | Computer Science Engineering (and allied branches) |
| Fraudulent Transaction Detection System | 1) SIDDHARTH DONTHULA<br>2) Pavan Kumar Pendyala<br>3) Ponnuru Rakshitha Reddy<br>4) Lekkala Likhitha | VNR VJIET | Software | Computer Science Engineering (and allied branches) |

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| MBTI(Myers Briggs Type Indicator) based personality classification | 1) Sowmya Kandula<br>2) T swapnika<br>3) N Keerthi<br>4) Modukuru Guna mahathi | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Underwater Mine and Obstacle detection using IOT. | 1) Srija Tuniki<br>2) Ayyadevara Sri Sai Lalitha Shyamala<br>3) SWATHI PENDYALA<br>4) ANUHYA CHETLA | VNR VJIET | Hardware | Computer Science Engineering (and allied branches) |
| Detection of Moonlighting using Keystroke Dynamics | 1) Thota Yathin Kumar Pambal<br>2) NALUMASU ABHINAY<br>3) MODHYALA SAI SUMANTH REDDY<br>4) Mohammad Danish | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Bolt Loosening Detection Using Deep Learning | 1) Vallakati Thanmai Sai<br>2) Saladi Vidya<br>3) Lishetti Sharanya<br>4) Kotrika Dharani | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Verification of url is valid or not | 1) VENNAM LAXMAN REDDY<br>2) Valeti Bhavana | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| Build a machine learning model which will assist the users while they practice yoga in the online mode. Our model will track the user's yoga footage | 1) Vennu Venu<br>2) Saisridatta Saketh Talagadadeevi<br>3) Thota Dharmika<br>4) Boini Madhavi | VNR VJIET | Software | Computer Science Engineering (and allied branches) |
| SMART DUSTBIN | 1) md Anas taj<br>2) Nenavath ashok<br>3) Manike srinivas | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| Autonomous Robot for Mapping and Navigation | 1) Abhishek Uddaraju<br>2) Anusha Sampathirao<br>3) Varun K R | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| Yet to be decided | 1) Adidela vagdevi<br>2) Mote akshitha<br>3) Pandilla Asha poornima | VNR VJIET | Software | Electrical and Electronics Engineering |
| Third eye for the Blind | 1) Avaneesh ketan chitta<br>2) Y.Prashanth<br>3) Vinay Chandra | VNR VJIET | Software | Electrical and Electronics Engineering |

| Tracking phone number location | 1) Avija Chanikya Reddy<br> 2) Arrapu Sreeya Reddy<br> 3) Pattem dharmitha patel<br> 4) Ganta Harthik | VNR VJIET | Software | Electrical and Electronics Engineering |
|---|---|---|---|---|
| IoT based heart beat and body temperature system | 1) B. TEJO KIRAN<br> 2) Ch. Akshitha<br> 3) B. Pranit Kumar | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| Automatic solar tracker | 1) Bhanu Merugu<br> 2) S.Aditya<br> 3) R.Ramdas<br> 4) N.Kyathieshwar | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| We implement the Inverse free Kalman filter(IFKF) on FPGA | 1) BOINI NAVEENA<br> 2) GOWTHAM PRIYA GAMINI | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| SUN TRACKING SOLAR PANEL | 1) ERRA PRADEEP RAJA<br> 2) KESAGANI UDAY KUMAR<br> 3) BANDARI KRISHNA SAI<br> 4) RYALI PULLESHWAR RAO | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| Fingerprint based biometric voting machine | 1) G.Yashwanth<br> 2) Singireddy Naveen<br> 3) Nelacharla Ramya | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| Fingerprint voting system | 1) KAMATI SRINAVAS<br> 2) Gariganti yashwanth<br> 3) Beerla Srikanth<br> 4) SINGIREDDY NAVEEN | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| AUTOMATIC RAILWAY GATE CONTROLLER | 1) KAMATI SRINIVAS<br> 2) BEERLA SRIKANTH<br> 3) NB CHARAN TEJA | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| Yet to be decided | 1) KASANI SINDU<br> 2) REDDY SAIPRIYA<br> 3) SADANALA MALINI<br> 4) KATUKURI JEEVANASREE | VNR VJIET | Software | Electrical and Electronics Engineering |
| Signal jammer | 1) Ms sreyesh kumar<br> 2) B Harthik reddy<br> 3) P adithya Reddy | VNR VJIET | Hardware | Electrical and Electronics Engineering |

| Project Title | Team Members | Institution | Type | Department |
|---|---|---|---|---|
| Density based Traffic Signals Controlling using Arduino | 1) Musku Vamshi<br>2) Sujay Godugu<br>3) Nenavath Uday kiran<br>4) Punna Ganesh | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| Smart railway gate system | 1) N.Ramya<br>2) Naveen singireddy<br>3) Gariganti Yaswanth<br>4) NB.charan teja | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| Home automation with arduino using Bluetooth module | 1) N.Snigdha<br>2) P. Harshini<br>3) O.Shivarchana | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| Automatic solar tracker | 1) NALLAPU KYATHIESHWAR<br>2) MERUGU BHANU<br>3) SISTU ADITYA | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| In many applications, it is necessary to keep track of the number of people entering, leaving the place (malls, institutions). | 1) Pidugu Venkat<br>2) Ankuri Sathvik<br>3) Neyyela Akhil<br>4) KannekantiBharath | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| Human following robot | 1) PRANAV PATCHALA<br>2) DEVA SRINITHA PATEL | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| Obstacles avoiding robot | 1) Ravali Gandham<br>2) K.punitha<br>3) Rithvika<br>4) D.sai simha | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| Respiratory health analyzer using IoT | 1) Ravula Sravani<br>2) A. Rachana Reddy<br>3) Sai praneeth<br>4) Chamala SriRam Reddy | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| Solar tracking system using Arduino and LDR | 1) Saketh Dongari<br>2) Soumyareddy tummaa<br>3) Balu nenavath | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| Modeling and simulation of standalone dc microgrid | 1) Sanghishetti Chaithanya<br>2) Vemula manish<br>3) G.Bhargava sai<br>4) Samreen sadiya | VNR VJIET | Software | Electrical and Electronics Engineering |
| Object Detection using aurduino | 1) Sumanth Musthyala<br>2) Gaddam amar<br>3) Kadali jayasurya<br>4) Muniganti sumanth | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| Classification of fruit according to their stage and reducing the wastage | 1) T BINDU MADHAVI<br>2) Sripad<br>3) Sudeep Gautham<br>4) Dhatrija Anasuya | VNR VJIET | Software | Electrical and Electronics Engineering |

| Project Title | Team Members | Institute | Type | Department |
|---|---|---|---|---|
| Maximum Power Point tracking using Heuristic Techniques | 1) Thode Thrinesh<br>2) G.Sai Supriya | VNR VJIET | Software | Electrical and Electronics Engineering |
| Smart street lights using aurdino | 1) V.Sai Iswarya<br>2) Samala.Prem Sai<br>3) Amudalapalli.Aravind | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| Despite being widely available, renewable energy sources are under utilised in many industries where they may be exploited | 1) Venkata Adithya<br>2) K sai shreyash<br>3) D Namitha<br>4) C pavan kalyan | VNR VJIET | Hardware | Electrical and Electronics Engineering |
| Design and Implementation of ADALM Pluto SDR Transceiver using MATLAB and Simulink | 1) Aishwarya Kulkarni<br>2) K. Manikanta Goud<br>3) Y. Saini Vijaya Durga<br>4) C. Venkata Krishna | VNR VJIET | Hardware | Electronics and Communication Engineering |
| Brain Tumor Detection And Classification Using Deep Learning | 1) Annam Vandana<br>2) Karan Raju Jummala<br>3) Sai Charan Sudireddy | VNR VJIET | Software | Electronics and Communication Engineering |
| EEG based thoughts to text converter | 1) Anudeepthi Saragadam<br>2) M khyathi<br>3) P Tharun | VNR VJIET | Hardware | Electronics and Communication Engineering |
| Performance Analysis of Stable Election protocol with Energy efficiency and Network Longevity | 1) Atluri Divya<br>2) Vangara Paniteja<br>3) Uppuluri Satya Abhijna | VNR VJIET | Software | Electronics and Communication Engineering |
| Design and Verification of Ethernet Protocol | 1) Avinash Surabhi<br>2) Surya Harshini G<br>3) K Pavan Kumar Reddy | VNR VJIET | Software | Electronics and Communication Engineering |
| PRECISION WEED DETECTION IN THE AGRICULTURAL FIELD USING AERIAL IMAGERY | 1) B.G Sai Srinivas<br>2) K Uday Kumar<br>3) N Saketh | VNR VJIET | Software | Electronics and Communication Engineering |
| Estimation of time delay in multi carrier DSSS multipath transmissions for 5G networks | 1) Bhavana Mariserla<br>2) Uday Sree Paidipalli<br>3) Chandrashekar Gande | VNR VJIET | Software | Electronics and Communication Engineering |
| An Adaptive Hybrid Beamforming Approach for 5G-MIMO mmWave Wireless Cellular Networks | 1) BOJJA SAI KIRAN<br>2) Kishore peram<br>3) Sathvika thati | VNR VJIET | Software | Electronics and Communication Engineering |

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| designing the better multiplier in terms of power delay product using hybrid adder | 1) Boppa Manisha 2) palle Bharath 3) Boppa Manisha | VNR VJIET | Software | Electronics and Communication Engineering |
| Mis diagnosis of respiratory diseases. | 1) Chetan Reddy Valluru 2) Mahesh arelli 3) Spurthi Gandam | VNR VJIET | Software | Electronics and Communication Engineering |
| CPR FEEDBACK DEVICE USING ARDUINO | 1) Deepak Medikonduru 2) Ch Sai Shanmukh | VNR VJIET | Software | Electronics and Communication Engineering |
| Multiclass Classification of Lung Cancer Detection Using Hybrid CNN model | 1) Dhikshitha Reddy Nandu 2) B. Varnika Reddy 3) Pavithra Potluri | VNR VJIET | Software | Electronics and Communication Engineering |
| Implementation of high performance 64 bit mac unit | 1) Divya 2) Sirumalla sunnydeva 3) Vani chervirala | VNR VJIET | Hardware | Electronics and Communication Engineering |
| Vehicle Detection Using Panoramic 3D LiDAR | 1) Divya Kadam 2) S Mahendar Reddy 3) G Harshitha | VNR VJIET | Software | Electronics and Communication Engineering |
| ESTIMATION OF NITROGEN IN PLANTS USING MACHINE LEARNING TECHNIQUES | 1) Dukkipati Vijay Sai 2) Telugu Rishitha 3) S Hitesh Chowdary | VNR VJIET | Software | Electronics and Communication Engineering |
| The proposed approach aims to address glaucoma detection by using deep learning techniques and the VGG-16 model to analyze fundus images and detect signs of glaucoma. | 1) Geethika Medabalmi 2) Sai prajith 3) Sai teja | VNR VJIET | Software | Electronics and Communication Engineering |
| ENERGY EFFICIENT ROBUST TREE BASED ROUTING PROTOCOL FOR WIRELESS SENSOR NETWORKS | 1) Gnaneshwar Kandukuri 2) Ritvik challa 3) Mandadi Aashritha | VNR VJIET | Software | Electronics and Communication Engineering |
| Improving energy efficiency in wireless body area network | 1) Gurivelli Dimple Sai 2) Banoth Vishnu Vardhan 3) Mutyala Aruna Samhitha | VNR VJIET | Software | Electronics and Communication Engineering |
| Detection of Cardiomegaly using CNN model from CXR images | 1) Haasita Atyam 2) Sri Charan Bachu 3) Kyatham Sai Sudhama | VNR VJIET | Software | Electronics and Communication Engineering |

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| Performance Evaluation of Conformal Patch array Antenna on cylindrical surface | 1) Harshini Ageer 2) Arun Avunoori | VNR VJIET | Software | Electronics and Communication Engineering |
| Sign Recognisation Robotic Vehicle Using Raspberry pi | 1) Kala Sri Sowmya 2) Vadlamudi Raja Vamsi Krishna 3) Ram Terli | VNR VJIET | Hardware | Electronics and Communication Engineering |
| Separation of Speech in Multitalker Environment | 1) Kaluwala Abhilash 2) Sindhu Sagiraju 3) R Sai Hemanth | VNR VJIET | Software | Electronics and Communication Engineering |
| A Novel Approach for Real Time Traffic Prediction using Deep Learning in VANET | 1) karthikeya tadepalli 2) Abhilash Koorma 3) Vineeth Venkata Krishna | VNR VJIET | Software | Electronics and Communication Engineering |
| Image Forgery Detection | 1) Kothuri Pavan Gopal 2) P. Shanmukha Sai 3) Gollapelli Manoj | VNR VJIET | Software | Electronics and Communication Engineering |
| IOT based Coal mine safety monitoring and alerrting system | 1) Kummari shivani 2) K.ChandraMouli 3) M.Prasanth | VNR VJIET | Hardware | Electronics and Communication Engineering |
| Various fading channels like Rayleigh, Rician, Lognormal, Nakagami-m channel channel will be investigated to know where the performance of the detector will be optimum. | 1) Lingampally Neha Reddy 2) Ravula Sai Vishal Reddy 3) Jallipalli Karthik | VNR VJIET | Software | Electronics and Communication Engineering |
| Fuzzy based weights for adaptive spectrum sensing in cognitive vehicular networks | 1) Maddika Sai Varsha 2) AKULA S N AISHWARYA DEVI 3) Peddamma Bhanu Prakash | VNR VJIET | Software | Electronics and Communication Engineering |
| Real time implementation of steganography | 1) Maddineni Veda Sahithi 2) Kanakabandi Pranay Mohan 3) Koluguri Nainika | VNR VJIET | Software | Electronics and Communication Engineering |
| Vision Enhancement and face detection in hazy weather condition. | 1) Madhuri Pulagari 2) Punith Lekkala 3) Nithish Varma Sandela | VNR VJIET | Software | Electronics and Communication Engineering |
| DEVELOPMENT OF A SPEECH-BASED DEPRESSION DETECTION SYSTEM | 1) Maheshwar Vishwakarma 2) D Pranavi Rao 3) N Venu Gopal | VNR VJIET | Software | Electronics and Communication Engineering |

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| YOLOv5 algorithm used in monitoring the germination of the seeds with the help of jetson nano. | 1) Mamidi Pranavi 2) Challuri Prathyusha 3) Janagani Siddhartha | VNR VJIET | Hardware | Electronics and Communication Engineering |
| COMPUTATION RESOURCE ALLOCATION USING NOMA TECHNIQUE | 1) Manish Uppu 2) Sushvanth dudgundi 3) Aashritha nelavelli | VNR VJIET | Software | Electronics and Communication Engineering |
| Contactless smart dustbin | 1) Maripala saikumar 2) Dachepally manikanta 3) Ausipuram Datta pavan | VNR VJIET | Hardware | Electronics and Communication Engineering |
| Deep learning based knee osteoarthritis classification | 1) Muthyala Sharath Reddy 2) Bhadramma Bannoth 3) Jagruti kalthi | VNR VJIET | Software | Electronics and Communication Engineering |
| BCI based smart home technology | 1) N.adarsh 2) s.s.spandana 3) waseem burhan | VNR VJIET | Hardware | Electronics and Communication Engineering |
| DESIGN AND ANALYSIS OF CMOS BASED BINARY SCALED DIGITAL TO ANALOG CONVERTER | 1) NAMANI KAVYA SREE 2) Kothapalli srujana 3) KONDRA OMKUMAR | VNR VJIET | Hardware | Electronics and Communication Engineering |
| Current Starved Negative Skewed Voltage Controlled Oscillator (CSNSVCO) is designed that has a feedback path which contains current starved inverters in it | 1) Naveen Kumar 2) S. Sharvani 3) K. Raj kumar | VNR VJIET | Software | Electronics and Communication Engineering |
| Deep learning based fruit damage detection | 1) Neha 2) J. Nagaraju 3) D.Gopi Krishna | VNR VJIET | Software | Electronics and Communication Engineering |
| The problem is how to protect video content from unauthorized use and distribution | 1) P BHAVYA REDDY 2) vamshi krishna 3) Thirumalesh | VNR VJIET | Software | Electronics and Communication Engineering |
| Implementation Of AES Algorithm | 1) Pallavi Sudha Meloju 2) P.V.Jaswantth 3) Sri Likhitha Dasari | VNR VJIET | Hardware | Electronics and Communication Engineering |
| "VLSI Implementation of Data Encryption and Decryption Cryptography Using AES and Reversible LFSR" | 1) Paul Dayakar 2) Nithin yadav 3) Gopu sai akanksha | VNR VJIET | Software | Electronics and Communication Engineering |

| Project Title | Team Members | College | Type | Department |
|---|---|---|---|---|
| CATTLE HEALTH MONITORING SYSTEM | 1) PAVULURI SWATHI<br>2) BHEEMIREDDY REVANTH REDDY<br>3) PATIBANDLA ARTHI | VNR VJIET | Hardware | Electronics and Communication Engineering |
| Hardware and Software co-design for Image classification with Incremental Learning ability. | 1) Peddavontari Suraj Reddy<br>2) Rudrangi Manjunath<br>3) Bore Sathwik Vamshi | VNR VJIET | Hardware | Electronics and Communication Engineering |
| VLSI Architecture for Fractional Order Adaptive Filter | 1) Pravali Bommakanti<br>2) Kolupula Prashanth<br>3) Middinti Archana Reddy | VNR VJIET | Software | Electronics and Communication Engineering |
| To help investors and entrepreneurs connect and work together more effectively | 1) Puneeth Varma Datla<br>2) Charan Bandi<br>3) Lakshmi Madhuri Bandiatmakuru<br>4) Lakshmi Raja Rajeshwari Mutte | VNR VJIET | Software | Electronics and Communication Engineering |
| COMPARATIVE ANALYSIS OF IMAGE TO IMAGE TRANSLATION USING PIX2PIX GAN | 1) RENUKUNTA SATVIKA<br>2) Gopidi Ashesh<br>3) Anmandla Aishwarya | VNR VJIET | Software | Electronics and Communication Engineering |
| Converting audio lung signals into mel spectrogram images and with the help of neural network the classification of lungs disease is done | 1) Ricky Deeven Veeraballi<br>2) Sai Kaivalya Madhavam<br>3) Neela Akshitha | VNR VJIET | Software | Electronics and Communication Engineering |
| Aerial image based plant leaf disease detection and classification | 1) Rishitha Kolamaddi<br>2) Praveen Babu<br>3) akshay chudirala | VNR VJIET | Software | Electronics and Communication Engineering |
| Design of Dual Band MIMO Antenna for 5G applications | 1) S Sai Pravallika<br>2) N Surya Vamshi Babu<br>3) Md Bashaarat Nawaz | VNR VJIET | Software | Electronics and Communication Engineering |
| Vehicle Tracking and Speed Warning System | 1) Sai Priyamvada Tadikonda<br>2) Nishanth Reddy<br>3) Chinsab Sai Srujan | VNR VJIET | Hardware | Electronics and Communication Engineering |
| Channel estimation in MIMO OFDM systems | 1) Sai Sowjanya Vadapalli<br>2) Hasini Nallagonda<br>3) Tarun Musaloj | VNR VJIET | Software | Electronics and Communication Engineering |

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|---|---|---|---|---|
| Air purifier | 1) Saketh Vishwanatham<br>2) A Siddarth<br>3) Sooragani Abhishek Goud<br>4) Bejugam koushik | VNR VJIET | Hardware | Electronics and Communication Engineering |
| Design and implementation of high speed binary vounters using sorting network and one hot code generation technique | 1) Salla pallavi<br>2) Godi sai preetham reddy<br>3) Thotakuri sravan kumar | VNR VJIET | Software | Electronics and Communication Engineering |
| Robotic arm | 1) Sanjana Mohite<br>2) Kashika Gaikwad | VNR VJIET | Hardware | Electronics and Communication Engineering |
| Using digital computer to convert it to braily and display it | 1) Sathvik Kunuru<br>2) J SIREESHA<br>3) KATANGURI SAI SHASHIDHAR REDDY<br>4) Bhavishya Kolloori | VNR VJIET | Hardware | Electronics and Communication Engineering |
| ENERGY EFFICIENCY AND SPECTRUM EFFICIENCY FOR STATIONARY CARS IN VEHICULAR NETWORKS | 1) Shankerannolla John Timothy<br>2) G.Meghana<br>3) Sai Sumanth Reddy | VNR VJIET | Software | Electronics and Communication Engineering |
| RT-PCR is the test usually taken but it has lesser accuracy, we have built a model which classifies Covid, Normal,and Pneumonia diseased by processing lung X- Rays using Capsule Neural Network. | 1) SHIRAMSHETTY JITESH NATH<br>2) Kurra Sai Deva<br>3) Matta Naga Sritha | VNR VJIET | Software | Electronics and Communication Engineering |
| Millions of students have a learning, physical,or visual disability that prevents them from reading conventional print.This makes the majority of educational materials for science, technology, engineering and math(STEM) fields inaccessible to them .What if machine learning could help bridge that gap? | 1) Shivarathri Pragathi<br>2) A.Jothsna<br>3) B.Lokesh | VNR VJIET | Software | Electronics and Communication Engineering |
| APD(Avalanche Photodiode) Based LASER Range-Gating System | 1) Sohila Kanaparthi<br>2) Sivaditya Kamadi<br>3) Kasyap Battula | VNR VJIET | Hardware | Electronics and Communication Engineering |

| Title | Team Members | Institution | Type | Department |
|---|---|---|---|---|
| INTEGRATION OF MLOPS WITH IOT | 1) Sreshta<br>2) Nandini<br>3) Pallerla saivardhan | VNR VJIET | Software | Electronics and Communication Engineering |
| Connecting to real world through AR/VR | 1) Srinija Pallerla<br>2) Dammagari Lahari<br>3) Arikatla Rahul Chowdhary<br>4) Varshini Matta | VNR VJIET | Software | Electronics and Communication Engineering |
| Delay and Power Efficient Systolic FIR Architecture for Noise Suppression of EOG Signal | 1) Sriraj bandi<br>2) Hemanth prasad<br>3) P.Raja rajasri | VNR VJIET | Software | Electronics and Communication Engineering |
| Driver Anti sleep alaram device | 1) Srujana Jinka<br>2) Kaleri Rahul | Gitam university Hyderabad | Hardware | Electronics and Communication Engineering |
| Design and Performance Analysis of 32 × 32 Memory Array SRAM for Low-Power Applications | 1) Sujith anumala<br>2) Muddasani venkata sai vinay<br>3) Thanniru dhanuja | VNR VJIET | Hardware | Electronics and Communication Engineering |
| Find whether a patient has cardiovascular disease or not. | 1) Supraja Boddula<br>2) Chittem Krishna Chaitanya<br>3) Vamshi Kumar Madipelli | VNR VJIET | Software | Electronics and Communication Engineering |
| Asic design implementation of staircase encoder | 1) Surabhi Seetha<br>2) T. Meenakshi<br>3) K. Akanksha | VNR VJIET | Software | Electronics and Communication Engineering |
| IOT BASED PATIENT HEART MONITORING AND ABNORMALITY DETECTION | 1) T Rajkumar<br>2) Ch Varun Kumar<br>3) K Sai Muralidhar | VNR VJIET | Hardware | Electronics and Communication Engineering |
| Fake News Detection using GNN | 1) T Srujan Teja<br>2) Sandeep B<br>3) L Sai Hemanta Sandhya | VNR VJIET | Software | Electronics and Communication Engineering |
| Weighted adaptive spectrum sensing in cognitive vehicular networks for dynamic spectrum access | 1) Tanusree Penmesta<br>2) Mogulla Eshwar Goud<br>3) Nagaram Uday Kiran | VNR VJIET | Hardware | Electronics and Communication Engineering |
| Generating the images by using generative adversarial network (GAN). | 1) Thirthala Neha Sri<br>2) Keerthi Suhas<br>3) Terli Lakshman | VNR VJIET | Software | Electronics and Communication Engineering |
| When there is a huge traffic it becomes a huge task for traffic police to capture Vechile numbers for not following traffic | 1) Thota Abhigyna<br>2) T. Ranganadh<br>3) S.sindhu | VNR VJIET | Software | Electronics and Communication Engineering |

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| rules.Using matlab we can detect the vechile numbers. | | | | |
| Medicine remainder | 1) Thupakula Ranganadh 2) Shashank chary 3) Sangani Sindhu 4) Thota Abhigyna | VNR VJIET | Hardware | Electronics and Communication Engineering |
| Lung disease identification Using chest scans | 1) Uday Kiran Irukula 2) Shravanthi Kangula | VNR VJIET | Software | Electronics and Communication Engineering |
| Error detection and correction code using Improved Redundant Matrix Code Algorithm | 1) Uppala Bhargava Sai 2) Shaik Sajida 3) Gutta Karthikeya | VNR VJIET | Software | Electronics and Communication Engineering |
| AI controlled Robotic Arm | 1) Varshini Matta 2) Srinija Pallerla | VNR VJIET | Hardware | Electronics and Communication Engineering |
| Implementation of Square Root Function using Vedic Mathematics | 1) Varshitha Yanamala 2) Gopichand Chindam 3) Rakesh Miryala | VNR VJIET | Software | Electronics and Communication Engineering |
| Wireless charging and battery management system for electric vehicles | 1) VASIREDDY LOHITH 2) Arigela Abhishek 3) NEMARUGOMMULA SHIVA SHASHANK RAO | VNR VJIET | Hardware | Electronics and Communication Engineering |
| automatic gas booking | 1) VETAPALEM VENKATA SAI 2) A.Sai Vardhan Reddy 3) kaslabad srikar 4) ijjagiri sushmanth | Gitam university Hyderabad | Hardware | Electronics and Communication Engineering |
| Design and Development of Breast Cancer Detection and Classification system using Deep learning | 1) Victor Swaroop Das Gummadi 2) Sumandar K 3) Kavya Reddy Gumpula | VNR VJIET | Software | Electronics and Communication Engineering |
| Design of LIFI based underwater communication system | 1) Vidyananda Sagar 2) R. Deepika 3) M. Venu | VNR VJIET | Hardware | Electronics and Communication Engineering |
| Identification of DeepFake video | 1) Vikas Kondoor 2) Aamir Mohammed 3) Srinija Chodisetty | VNR VJIET | Software | Electronics and Communication Engineering |

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| White blood cell classification usinh deep learning | 1) Vinisha Rekhawar  2) Katla vikas  3) Yellakonda anish | VNR VJIET | Software | Electronics and Communication Engineering |
| Wireless Automation Assistance for Paralyzed and Elders. | 1) VISHLAVATH TARUN  2) VISWAS VENKATA REDDY  3) DHANUSH GOUD KALALI  4) BAGUMARI DEEPAK GOUD | VNR VJIET | Hardware | Electronics and Communication Engineering |
| A QPSK Hybrid Downlink NOMA With OFDM  and OFDM-IM For Beyond 5G Applications | 1) Vishwajith Ganga  2) RamyaSai Donka  3) Kushi Moori | VNR VJIET | Software | Electronics and Communication Engineering |
| Plant Disease Classification Using Alexnet and Communication Using a Telegram Chatbot | 1) Yamini Ane  2) Sohail SK  3) Sahithy Koyi | VNR VJIET | Software | Electronics and Communication Engineering |
| By doing this, we can overcome the problem of energy scarcity as well, and prevent exploiting nature as this is a sustainable source of energy. | 1) Ancha Lakshmi Pravallika  2) Gudipati Rathan Purna Chandra  3) Rishita Veeravalli  4) Sahithi Nekkanti | VNR VJIET | Hardware | Electronics and Instrumentation Engineering |
| Doctor Appointment Booking | 1) Mothe Sankeerthana Reddy  2) K M Madhan Prasanth  3) M Manoj Krishna  4) Amuru Sneha Reddy | VNR VJIET | Software | Electronics and Instrumentation Engineering |
| lora based co2 monitoring network system for contagion prevention by controlled ventilation | 1) Movva Divya Sree  2) Kamola Satyanarayana  3) Mohammad Maifooze | VNR VJIET | Hardware | Electronics and Instrumentation Engineering |
| HAND GESTURE CONTROL ROBOT FOR DEFENCE & MEDICAL APPLICATIONS | 1) Panyala Rithvik Reddy  2) Ellendula Vinay Kumar  3) Sunnapu Sudheer Kumar | VNR VJIET | Hardware | Electronics and Instrumentation Engineering |
| The current transportation system in a city is inefficient and causes congestion and increased pollution. The city is looking for a solution to improve mobility and reduce traffic congestion and make pollution free. | 1) Parvathaneni Yogesh Sai  2) K. Nikhil Sai  3) Mahendra Kaneke  4) Gadam Bala Krishna | VNR VJIET | Hardware | Electronics and Instrumentation Engineering |

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| Personalized health monitoring system with wireless stethoscope | 1) Saiteja Oruganti 2) Nihal Dhanpal 3) M.Roshan Kumar | VNR VJIET | Hardware | Electronics and Instrumentation Engineering |
| The project aims to prevent drunk driving and improve road safety by designing and implementing an alcohol detection and engine locking system that can accurately detect alcohol levels and prevent the engine from starting if the alcohol level is above the legal limit. | 1) V.Yuvaraj 2) P.Vaishnavi 3) K.Bhanuprasanna | VNR VJIET | Hardware | Electronics and Instrumentation Engineering |
| The aim of our project is to determine if a student is at the risk of having mental health problems, through a small quiz run with machine learning code using python | 1) Akshaya Sai Priya Maddula 2) Kodakandla Harshitha 3) Eesari Bhanusree 4) Bommu Poojitha Reddy | VNR VJIET | Software | Information Technology |
| Image Caption Genrator | 1) BHOGADI JAYA KRISHNA SRI 2) G Shivani 3) Shaik Afreen 4) P SRUJANA | VNR VJIET | Software | Information Technology |
| Malware detection and classification using Machine Learning | 1) CHANDRA MOHAN PRAJAY KUMAR 2) NAYAB RASOOL KHAN 3) KADAPALA SUPRATHIKA | VNR VJIET | Software | Information Technology |
| Crop and Different Fertilizers Recommendation and Disease Prediction using different Machine Learning Algorithms | 1) Chandrashekar Asani 2) Srinivas Karumuri 3) Vamshi Krishna Gujjula 4) Vivek Reddy Garlapati | VNR VJIET | Software | Information Technology |
| SMART ATTENDANCE SYSTEM USING FACE RECOGNITION | 1) CHITTOORI SATHWIKA 2) Vadthya lakshmi 3) Satya Sai Gayathri Katkam 4) Devavath Charan Kumar | VNR VJIET | Software | Information Technology |
| The main objective of the project is to describe the visual content in the form of text and convert it into voice in terms of sentences for the given input image using deep learning processing techniques. | 1) D Anshu Reddy 2) M Dharma teja 3) K Shravani 4) G Vaishnavi | VNR VJIET | Software | Information Technology |

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|---|---|---|---|---|
| Face Recognition using Machine Learning | 1) Dacha Roshni laxmi<br>2) Pathi sampath kumar<br>3) Jarpla Kavitha mai<br>4) A Sai venkata naga mouli | VNR VJIET | Software | Information Technology |
| Yet to be decided | 1) G.K.S NARASIMHA RAO<br>2) K Srinija | VNR VJIET | Software | Information Technology |
| Early Disease Classification of Mango Leaves using Neural Network | 1) G.Raviteja<br>2) Geddavalasa Kiran<br>3) Chittiprolu Siri Chandana<br>4) S.Deepthi Nandini | VNR VJIET | Software | Information Technology |
| Handwritten Telugu Character Recognition using Machine Learning | 1) Gandla Sravani<br>2) KOTHAPALLI THANMAYEE REDDY | VNR VJIET | Software | Information Technology |
| Image Classification (An Interpretable Image Processing Technique for Satellite Imagery) | 1) Gnyanesh Bangaru<br>2) Sai Sushruth Chowdary<br>3) Vinay Pathuri | VNR VJIET | Software | Information Technology |
| To build a model which diagnosis the retinal images of the patients and detect whether the person is having diabetic retinopathy | 1) Gundlapally Vaishnavi<br>2) Manideep Chaitanya | VNR VJIET | Software | Information Technology |
| Face recognition | 1) Jayanth<br>2) Paspunoti Sai Charan<br>3) Papaiahgari jayanth Kumar Reddy | VNR VJIET | Software | Information Technology |
| Video recognition and narration using deep learning | 1) K Rama Krishna<br>2) B. Meghana<br>3) K. Mamatha Patil<br>4) K. Sri Harshith | VNR VJIET | Software | Information Technology |
| Comparative analysis of machine learning algorithms to forecast Indian stock market | 1) K. Vijitha<br>2) K. Ashish<br>3) G. Sai Venkata Rohit<br>4) K. Pragnika | VNR VJIET | Software | Information Technology |
| This contraption gives ladies wellbeing and security by giving an electric shock to the rival. This can be utilized a defender for a ladies in harm's way. | 1) Kaparthi bhargav<br>2) P. Harini<br>3) Smrithi<br>4) Sai Karthik Madineni | CMR Engineering college | Hardware | Information Technology |

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|---|---|---|---|---|
| Telugu Speech Recognition using Machine Learning Techniques | 1) Kopalle Venkata Komal Akhil<br>2) Samudrala Mahadhyut | VNR VJIET | Software | Information Technology |
| Prediction of chronic kidney disease using machine learning techniques | 1) Koppula Likhitha<br>2) BANDREDDI RAJA VAMSI<br>3) Nidadavolu Pravallika Sree Vani<br>4) Pagadala Navya | VNR VJIET | Software | Information Technology |
| Gender Prediction using Handwritten Text Images | 1) Kotha Tejaswini<br>2) Divya Marelli<br>3) Garine Shravani<br>4) G.Sai Dheeraj Rao | VNR VJIET | Software | Information Technology |
| Digital Twin For Education Domain | 1) Koya Tejaswi<br>2) Araveeti Sai Shreya | VNR VJIET | Software | Information Technology |
| Pneumonia and Covid-19 Prediction using Machine Learning | 1) M. Sai Manish<br>2) K. Pradeep Sai<br>3) P. Mukesh Sai<br>4) K. Sai Vamshi | VNR VJIET | Software | Information Technology |
| People can't visualize products before buying and usually return products if they are not suitable so we want to make an AR project which can visualize products so that people can validate product dimensions | 1) M.Sai karthik<br>2) L.Varunesh | VNR VJIET | Software | Information Technology |
| Intrusion Detection using CICIDS using 2019 dataset | 1) Madari sai teja<br>2) Adarsh Vallamkonda | VNR VJIET | Software | Information Technology |
| Comparative Performance Analysis of MapReduce and Apache Spark using Supervised and Unsupervised Algorithms | 1) Malleshwaram Varun<br>2) Pinnamaneni Pavanaja<br>3) Kuntumalla Sri Harshitha<br>4) Mamilla Rashmi Netha | VNR VJIET | Software | Information Technology |
| Traffic Sign Recognition System | 1) Meda Chandana Reddy<br>2) Bolledla Deekshitha<br>3) M Ramya<br>4) Anusha Chennuri | VNR VJIET | Software | Information Technology |
| Grayscale Image Colorization | 1) Meghana Medapati<br>2) Prashansa Mishra<br>3) P.Deekshitha Reddy | VNR VJIET | Software | Information Technology |

| | 4) Kanchukatla Yashasri | | | |
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| Deep Xception Capsule Networks for the Classification of Common Ultrasound Maternal Fetal Planes | 1) NS Akhila 2) Yasaswini Ganji 3) Neelima Gundu 4) P Vinaya Madhulikha | VNR VJIET | Software | Information Technology |
| AUTOMATED PADDY DISEASE CLASSIFICATION | 1) Nynalasetti Sai Pranay Teja 2) Gudivaka Riteesh 3) Devarashetty Shiva Sai | VNR VJIET | Software | Information Technology |
| TELUGU HAND WRITTEN CHARACTER RECOGNITION | 1) PALAYANUR RUKMINI 2) AKANKSHA AKUBATHINI | VNR VJIET | Software | Information Technology |
| In case of traditional irrigation system water saving is not considered since the water is irrigated directly in the land plants undergo high stress from variation in soil moisture therefore plant appearance is reduced the absence of automatic control system result in improper water control system the major reason for these limitations is the growth of population which is increased at faster rate | 1) RAMAGIRI RANESH 2) KOTHA KEERTHI PRIYA 3) DORNIPATI ANIRUDH 4) PARSA AKHIL | CMR Engineering college | Hardware | Information Technology |
| Face Recognition using Machine Learning | 1) ROSHNI LAXMI DACHA 2) JARPLA KAVITHA MAI | VNR VJIET | Software | Information Technology |
| Machine learning Algorithms for crop yield prediction | 1) Santhi Saranya Chelikani 2) Yaswant Nadamuri 3) P Venkat Nippun 4) Sameera Chaganti | VNR VJIET | Software | Information Technology |
| One of the main contributing factors to accidents globally is drunk driving. Alcohol-impaired drivers exhibit noticeable failures in vision, identification, and steering control. Thus, this accident takes place. | 1) Sashank Bollineni 2) P Madhu Sreya 3) Aturi Jabilli 4) Om Prakash | VNR VJIET | Hardware | Information Technology |

| Effects of Thumbnail Personalization on Clickthrough Rate in OTT Platforms | 1) Sri Rachana Narasu Baditha 2) Joshua Kingston Silveri 3) Kavya Muktha 4) Mohan Venkat Patta | VNR VJIET | Software | Information Technology |
|---|---|---|---|---|
| Energy trading and charging system for electric vehicles using blockchain | 1) T Ananya 2) P Harshita 3) Ch sai neha 4) S Satwika | VNR VJIET | Software | Information Technology |
| Web based blood bank management system | 1) Teja Abhinav Reddy Kaipu 2) Earpula Manohar Joshi 3) Venkata Sai Deepak. 4) Kavya Dappu | VNR VJIET | Software | Information Technology |
| The proposed website aims to provide a solution to this problem by providing a platform for students to connect, collaborate, and share their skills, projects, and interests. | 1) V Venkata Raghava Reddy 2) Pothunoori Sathwik 3) Sunil Verma Chinta 4) Sowmika Alwal | Chaitanya Bharathi Institute of Technology | Software | Information Technology |
| Plant leaf disease detection | 1) V.Akhil 2) V. Parashara reddy 3) V.Sathvik reddy 4) T.sanish kumar | VNR VJIET | Software | Information Technology |
| Pepper plant leaf disease detection | 1) Vinaya Madhulikha Polisetti 2) P. Aravinda 3) Vysyaraju Harveni 4) NS Akhila | VNR VJIET | Software | Information Technology |
| Overcoming limitations of existing electric motorcycles using Hydrogen Fuel Cell Technology | 1) A Gopichand 2) A Suprith Sri Vikath 3) K Aditya Pramod 4) G Nikhil Swamy | VNR VJIET | Software | Mechanical Engineering |
| Overcoming limitations of the existing electric motorcycles with Hydrogen Fuel Cell Technology | 1) A Gopichand 2) K Aditya Pramod 3) G Nikhil Swamy 4) A Gopichand | VNR VJIET | Hardware | Mechanical Engineering |
| Design and fabrication of women safety device which is used to eradicate women rapes | 1) Bhukya Naveen Kumar 2) Kurna kalyan sai 3) Nitysri 4) Mushini Sannidhi | VNR VJIET | Hardware | Mechanical Engineering |
| Influence of process parameters and tool geometry on FSW weldments | 1) CH HINDUJA 2) SUHANA 3) PITTALA SWATHI 4) G DEEPAK KUMAR | VNR VJIET | Hardware | Mechanical Engineering |

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| Electric cycle for easy mobility in heavy traffic. | 1) Deeti sriram 2) Guggilla pujith gupta 3) Sripada satya Arahan 4) Aakula druvan | VNR VJIET | Hardware | Mechanical Engineering |
| Parallel link mechanism ( mechanical gripper ) | 1) Eda Jashwanth Reddy 2) PATURI SREE SAI SATYA RAGHAVENDRA 3) HINDUJA CHALIMADUGU 4) Sravani Medagam | VNR VJIET | Hardware | Mechanical Engineering |
| To provide an integrated and interdisciplinary approach to understand the social and cultural constructions of gender that shapes the experiences of women and men in society. To generate the awareness in regard to equality in law, social | 1) G Reethika 2) D.Vaishnavi 3) N. Siri Vennela 4) D.Srija | VNR VJIET | Hardware | Mechanical Engineering |
| Usage of composite roof sheets to overcome the environmental hazards of asbestos roof sheets | 1) Gona Reethika 2) Sathwik Mitapalli 3) Sahasya Mada 4) Poloju Sai Sindhuja | VNR VJIET | Hardware | Mechanical Engineering |
| Water desalination using floating steel sheet | 1) KANDODE SHIVA KUMAR 2) Sriramula Vishnu Teja 3) Melam Anitha 4) Rebba Udayasree Chandra | VNR VJIET | Hardware | Mechanical Engineering |
| A machine that saves time to do writing and drawing .It can be also be upgraded for PCB printing | 1) Kushal Manikanta Kolavennu 2) Ganesh Kumar Jammu | AAR MAHAVEER ENGINEERING COLLEGE | Hardware | Mechanical Engineering |
| __ | 1) Mahesh Reddy 2) Akshaya Yenka | VNR VJIET | Software | Mechanical Engineering |
| RACK AND PINION MECHANISM | 1) MANISH KUMAR SINGH 2) D Kiran Kumar 3) P. Rakshetha 4) Ch. Hinduja | VNR VJIET | Hardware | Mechanical Engineering |
| As per Statistics we see 2 to 3 percent work productivity is being decreased only bec of Dehydration ,so to resolve such issue I came up with a machine called | 1) Mohammed Adnan Moosa 2) Mohammed Asim | VNR VJIET | Hardware | Mechanical Engineering |

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| as Quench Thirst Machine | | | | |
| DETERMINATION OF OPTIMAL FSW TOOL PIN PROFILE AND ITS INFLUENCE ON MECHANICAL PROPERTIES OF ALUMINIUM AA6061 ALLOYS | 1) PATURI SREE SAI SATYA RAGHAVENDRA<br> 2) K.NIKHIL CHOWDARY<br> 3) MANISH KUMAR SINGH | VNR VJIET | Hardware | Mechanical Engineering |
| ELLIPTICAL TRAMMEL MECHANISM | 1) PATURI SREE SAI SATYA RAGHAVENDRA<br> 2) Nandimandalam Sanjay<br> 3) VETHINI POOJITHA<br> 4) MANISH KUMAR SINGH | VNR VJIET | Hardware | Mechanical Engineering |
| Thermal Star is a high class material suggestor which is used to suggest the perfect material for the given application. | 1) Sriram Prayaga<br> 2) Chatakonda Sujith<br> 3) BVC Karthik<br> 4) Mamidi Jyothika Priya Laxmi | VNR VJIET | Software | Mechanical Engineering |
| A Hi-Fi wall mount which can charge a smartwatch. | 1) Tamma Sreerama<br> 2) Geetika Gladys Davala<br> 3) Bomma Gopikrishna<br> 4) Sathvika Bandi | VNR VJIET | Hardware | Mechanical Engineering |
| To obtain a non breakable composite helmet | 1) Valasa Keerthana<br> 2) Gugulothu Pallavi<br> 3) Jakkam Tejaswini<br> 4) Akula vishal ran | VNR VJIET | Hardware | Mechanical Engineering |