

# 5<sup>th</sup> International Conference on Communication and Information Processing (ICCIP) 2023

Nutan College of Engineering & Research, Talegoan, Pune, Maharashtra

9<sup>th</sup> & 10<sup>st</sup> June 2023

## The Program Schedule

Day & Date	Time	Event
<b>Day 1</b> <b>9<sup>th</sup> June 2023</b>	09:00 AM to 09:30 AM	Arrival of guest and Breakfast
	09:30 AM to 11:00 AM	Inauguration of ICCIP 2022  Inaugural Talk by <b>Mr. Hasmukh Rawal</b> MD Mylab, India. Chief Guest, ICCIP-2023
	11:00 AM to 12:00 PM	Key note Speech <b>Prof. Dr. Sanjay L. Nalbalwar</b> Dean (Academics-FoE&T) Director, Innovation, Incubation & Entrepreneurship Chairman, Board of Information and Communication Technology. TEQIP-III Coordinator
	12:00 PM to 01:00 PM	Lunch

	1:00 PM to 5:00PM	Virtual/Offline six parallel Paper presentation sessions
<b>Day 2</b>  <b>10<sup>th</sup> June 2023</b>	10:30 AM to 12:30 PM	Virtual/Offline six parallel Paper presentation sessions
	12:30 PM to 1:30 PM	Lunch
	1:30 PM to 5:00PM	Virtual/Offline Six parallel Paper presentation sessions

### Track Schedule

<b>Day 1 – Track 1: Image Processing &amp; Computer Vision</b>			
<b>Date: 09-06-2023</b>		<b>Time: 2 PM TO 5 PM</b>	
		<b>Google Meet Link:</b> <a href="https://meet.google.com/odj-ixqw-nnx?pli=1">https://meet.google.com/odj-ixqw-nnx?pli=1</a>	
<b>Volunteers 1) Devarth Patel - 8291610189 2) Princy Patel- 9272189164</b>		<b>Session Chair: 1)Prof. Amol Sonawane 2) Prof. Swati Shinde</b>	
Sr. No.	Paper ID	Title of the Paper	Authors
1	1	Text extraction and detection from images using machine learning technique	Ajay kumar, Gudapati Supraja, Mr.Panthagani Vijaya Babu

2	<b>9</b>	A Review on Medical Image Segmentation Techniques	Yogesh S.Bahendwar, Dr. Dolly Thankachan
3	<b>18</b>	Exploring Adversarial Attacks and Countermeasures in Image Classification and Object Detection: A Survey	J. L. Amritasree, Prathibhamol C.P
4	<b>21</b>	Application of Fusion Enhancement for Underwater Images	Chaitanya Thapliyal, Utkarsh Singhal, Amitoj Birah, Dipender Singh
5	<b>36</b>	Design and Implementation of Hand Gesture Assistant Command Control Video Player Interface for Physically Challenged People	Vinay Ankushe, Chirag Mali, Bushra Sayyad, Ashwini Navghane, Shailesh Kulkarni*, Pravin Gawande
6	<b>46</b>	The art of deep learning and natural language processing for emotional sentiment analysis on the academic scholars' peer review process	
7	<b>54</b>	Big Data Enabled Intrusion Detection with Honeypot Intelligence System on Apache Flink (BDE-IDHIS)	Akshay Mudgala , Shaveta Bhatiab
8	<b>66</b>	A Simple Translation System Using A Machine Learning Algorithm	Dr S Sangeethapriya, Kavyashree Nagarajaiah, Narender Chinthamu, Prof Ashish Sharma, Dr. A. Kakoli Rao
9	<b>80</b>	Image Quality Assessment Using Vision Transformer	Shrid Jadhav Patil, Harshada Shinde, Swapnil Deoraye, Akanksha Shelke, Pravin G. Gawande, Yogesh H. Dandawate

**Day 1 – Track 2: AI, ML, CS and Deep learning****Date: 09-06-2023****Time: 2 PM TO 5 PM****Google Meet Link:**  
<https://meet.google.com/kbb-ovfv-zdd>**Volunteers: 1) Pratik Gade - 7715897053  
2) Yash Desai - 9860639222****Session Chair: 1) Prof. Priyanka Vyas  
2) Prof. Anuradha Thakre**

<b>Sr. No.</b>	<b>Paper ID</b>	<b>Title of the Paper</b>	<b>Authors</b>
1	2	Active Sense - Live Human Activity Recognition Using Deep Learning	Ankit Suman, Abhay Kumar, Gopichand Katuri, Prof. D. Venkatesulu
2	3	DIGI PARKING SYSTEM	Ritik Bansal, Ritik Tyagi, Rishabh Suyal
3	5	Accuracy, Memory, Runtime and computational performance Analysis of Classifiers	M. Farhan Shahid
4	12	Predictive model in Zeolite Blended concrete strength computation using regression Analysis in Python	Sushant Waghmare
5	14	Survey Paper on Natural Calamity Detection using Deep Learning	

6	<b>15</b>	EfficientNet-B6 model-based transfer learning for the classification of brain tumors	Surajit Das, Rajat Subhr, Goswami, Lavanya G, Binoy Sasmal, Sangem Jaya Prakash
7	<b>20</b>	Computerized Detection and Classification of Tumor using Deep learning	Rishu, Laxman Singh, Nidhi Sharma, Kanika Jinda
8	<b>27</b>	Exploring Big Data Analytics in Social Networking Sites	Priyanka, Dr. Manjit Singh
9	<b>30</b>	DNA Classification Using Machine Learning	Vedika Kadolkar, Purva Dhamodikar, Shreya Pingale, Kausin Sayed, Ankita Sarnaik
10	<b>35</b>	Multiple Disease Prediction System Using Machine Learning Algorithms	Dr. Rajesh Rohilla, Animesh Anand , Anshul, Deepak Kumar Poonia
11	<b>43</b>	Attribute-based Hybrid Encryption for Efficient Channel Security with Privacy Preservation: The CSAEPP Approach	Madhavi Tota, Dr. Swapnili Karmore
12	<b>45</b>	Mental Illness Prediction using Machine Learning Algorithms Falguni Wani, Ved Deore, Shivam Gorane, Santosh Chobe, Swati Nikam	Falguni Wani, Ved Deore, Shivam Gorane, Santosh Chobe, Swati Nikam

### Day 1 – Track 3: IOT, Embedded Systems

**Date: 09-06-2023**

**Time: 2 PM TO 5 PM**

**Google Meet Link:**  
<https://meet.google.com/yks-mqph-gwo>

**Volunteers: 1) Vinay Kamble - 7666474503  
2) Krutika Pawar - 8551880152**

**Session Chair: 1) Prof. Shweta Narula  
2) Dr. Sagar Joshi**

<b>Sr. No.</b>	<b>Paper ID</b>	<b>Title of the Paper</b>	<b>Authors</b>
1	11	Smart Wearables: Trends and Challenges	Shriyanshi Singh, Yashika Tyagi , Sangeeta Mangesh
2	22	Gyro Messenger using Arduino Uno	K. P. Kamble
3	23	Intelligent IOT System for Smart Environmental Monitoring	Mr. Yogesh N. Thakare, Aarti M. Karandikar, Mr. Vicky Butram
4	25	Intelligent IOT System for Smart Environmental Monitoring	Sulekha Kaushik, Dr. Sumit Kumar Mishra

5	32	Unlocking the Potential of Block chain and AI for Pandemic Preparedness and Response	Iraq Ahmad Reshi, Sahil Sholla, Adil Bashir
6	39	Skin Disease Classification Using CNN	Paramjeet Singh, Ardhendu Neogi, Nipun Sharma, Dr.Tarun Maini
7	40	Low-Cost Ventilator with IOT Live Data Monitoring	Ayush Bhalekar, Adesh Khedekar, Abul Khasim, Prajwal Jogdand, Dr. Madagonda K. Biradar
8	52	Data Privacy Issue In Beyond 5G SIoT Network	Swati S. Roy, Shatarupa Dash, Bharat J.R. Sahu
9	71	Renewable Energy Powered Weather Monitoring System using IoT	Shivam Kaushik, Prof. Radheshyam Saha, Shresth Srivastava, Krishna Dutt

### Day 1 – Track 4: Mechanical and Electric Vehicle

<b>Date: 09-06-2023</b>		<b>Time: 2 PM TO 5 PM</b>		<b>Google Meet Link:</b> <a href="https://meet.google.com/odj-ixqw-nnx?pli=1">https://meet.google.com/odj-ixqw-nnx?pli=1</a>	
<b>Volunteers: 1)</b> 2)			<b>Session Chair: 1) Dr. Vikas Yadav</b> 2) Dr.Randive		
Sr. No.	Paper ID	Title of the Paper	Authors		
1	8	IMPROVING REGENERATIVE BRAKING OF ELECTRIC VEHICLE USING SUPERCAPACITORS	Aakash, Ansh Verma, Ashish Kumar Singla		
2	10	Entrepreneurship: A rising way leading to economic development in Bangladesh	Nargis Sultana, Kazi Saifur Rahman, Rejaul Karim, Shakil Ahmad		

3	16	Design of Smart Mechanisms for the Utilization of Piezoelectric Power	Karan Pathania, Viraj Sharma, Kamlesh Pandey, Gaurav Yadav
4	28	Investigation of Optimization Machining Parameter for POM (POLYOXYMETHYLENE) while using TNMG Insert by Taguchi ANOVA	Milind Ovhal1, Dr. Jai Bahadur Balwanshi
5	29	Vehicle tracking system with accidental alert	Tejas Mesta, Parth Chittawar, Avanti Wavhal, Prof. Snehal Khoparde
6	31	Automated AI Based Road Traffic Accident Alert System	Vishal Choudhary, Shriraj Kanase, Swapnil Lad, Yash Mane, Vijay Kotkar
7	34	POWER OPTIMISATION SCHEME OF INDUCTION MOTOR USING FLC FOR ELECTRIC VEHICLES	
8	68	Role of Battery Management System on the Performance of Electric Vehicles	Dr. Puran Singh, Venkata Satya Rahul Kosuru, Dr. Anurag Shrivastava, Yogendra Kumar, Rajbhadur Singh
9	70	Shape Memory Alloys for Aerospace Application	Dr K.Senthilkumar, Oluwadare Joshua OYEBODE, Aman Sharma, Vandana Kumari, Vikram Sing

### Day 1 – Track 5: ICT and Emerging Technologies

<b>Date: 09-06-2023</b>		<b>Time: 2 PM TO 5 PM</b>		<b>Google Meet Link:</b> <a href="https://meet.google.com/ujx-kuod-jak">https://meet.google.com/ujx-kuod-jak</a>	
<b>Volunteers: 1)</b> <b>2)</b>			<b>Session Chair: 1) Dr. Ashwini Shinde, Associate Prof., NCER</b> <b>2) Dr. Birajdar</b>		
<b>Sr. No.</b>	<b>Paper ID</b>	<b>Title of the Paper</b>		<b>Authors</b>	



1	<b>4</b>	Detect and Retrieve Temperature Values of Gas Leaks in Oil Industry using Arduino Uno	
2	<b>6</b>	Building a Chabot using Natural Language Processing	Daksh Malik, Vishwam Khare, Uday Sehgal, Shweta Bhardwaj
3	<b>7</b>	Contract/Tendering System using Block-chain	Ritu Pawar, Saharsh Wasnik, Sanjay Jengthe, Shreyash Gondane, Shubham Paunikar, RutujaPohare
4	<b>13</b>	Review on Optimization of Energy Efficiency in Wireless Communication	Snehal Koparde1 , Dr. Anil Nandgaonkar2 , Dr. Abhay Wagh3
5	<b>19</b>	Unveiling the Evolving Landscape: A Survey of Recent Challenges and Security Issues in E-Learning	Milind Shah, Kinjal Gandhi , Kinjal Gautam , Vraj Patel
6	<b>33</b>	Contextual Search Techniques: A Comparative Analysis and Future Directions	Vaibhav Verma, Arslan Khan
7	<b>41</b>	Digital Transformation in Education: A Bibliometric Analysis	Ankita Singh, Nitin Garg
8	<b>42</b>	A Survey on ZigBee Technology	Harshita Jha, Surinder Kaur
9	<b>65</b>	A Website for Agriculture Products and E-Commerce	Dr Ashok Kumar Koshariya, Dr Deewakar Barar, Dr. Arun Pratap Srivastava, Neeraj Varshney, Akhilesh Kumar Khan

## Day 2 – Track 1: Image Processing & Computer Vision

<b>Date: 10-06-2023</b>		<b>Time: 10.00 AM to 12.30 PM</b>		<b>Google Meet Link:</b> <a href="https://meet.google.com/yks-mqph-gwo">https://meet.google.com/yks-mqph-gwo</a>
<b>Volunteers: 1) 2)</b>			<b>Session Chair: 1)Prof. Sanjeevkumar Angadi 2) Dr.Sonali Patil</b>	
<b>Sr. No.</b>	<b>Paper ID</b>	<b>Title of the Paper</b>	<b>Authors</b>	
1	<b>64</b>	Sign language recognition	Ashay Chaudhari, Avdhut Barbole , Ketan More , Yash Bagul , Shivam Rokade	
2	<b>81</b>	Bird Species Image Identification using Deep Learning	Atharva kulkarni, Animesh Tade, Suyog Sulke, Sameer Shah, Dr. Aparna Pande	
3	<b>84</b>	Attendance Monitoring system using face recognition	Sanika Kulkarni, Palak Shrivastava, Pushpa Latha Bodineni, Nandini Ambhore, Deepti Choudhari	
4	<b>90</b>	Real time video processing using chroma key (green screen) effect	Prasad Dhore, Jagruti Shimpi, Priyanka Patil, Pratik Shringarpure, Shreya Mane	
5	<b>99</b>	Sign language recognition	Tanaya Ingle , Shwetali Daware , Neha Kumbhar , Komal Raut , Prof. Prachi Waghmare.	
6	<b>97</b>	Modern Threat Detection Systems: Leveraging yolov7 Computer Vision Model for High-Performance Detection of Fire, Violence, Weapons and Accidents	Rohit Dighe, Vinayak Dhore, Swapnil Kadama, Aditya Padulea	
7	<b>98</b>	Thermal Image Processing for Disease Detection in Animals	Hritika Kamble, Shobha Waghmare, Shrijay Nandgaonkar, Manasi Dahibavkar	

8	<b>100</b>	A Survey on Image Steganography using LSB Algorithm	Deepti Chaudhari, Hetvi Patel, Anushri Ghosh, Neha Patil, Vikas Pawar <sup>5</sup> Yogesh Sonawane
9	<b>105</b>	Traffic Sign Detection and Recognition in Difficult Weather Conditions	Stephen Mascarenhas, Vaibhav Kolpe*, Pratik Shinde, Ankita Tapase, Dr. Aparna Pande

<b>Day 2 – Track 2: AI, ML, CS and Deep learning</b>			
<b>Date: 10-06-2023</b>		<b>Time: 10.00 AM to 12.30 PM</b>	<b>Google Meet Link:</b>
<b>Volunteers: 1) 2)</b>		<b>Session Chair: 1) Dr. Prasad Dhore 2) Prof. Ashish Manvatkar</b>	
<b>Sr. No.</b>	<b>Paper ID</b>	<b>Title of the Paper</b>	<b>Authors</b>
1	<b>112</b>	A System On E - Health Care Card Using QR Code	Shweta Vhanmore, Rohan Kalaskar, Tushar Tupkar, Aboli Bhalerao, Sanjeevkumar Angadi
2	<b>117</b>	AI and ML in Optical Networking	Sumit Borse, Manasi Choudhari, Sushank Chandekar, Rutvik Chopade
3	<b>69</b>	Implementation of the Smart Traffic Management System through Cloud Computing	<sup>1</sup> Dr. Dler Salih Hasan, <sup>2</sup> Dr. Anurag Shrivastava, <sup>3</sup> Hemant Gupta, <sup>4</sup> Rohit Kumar, <sup>5</sup> Akhilesh Kumar Khan

4	74	Deep dive into Sentiment Prediction on COVID-19 Related Tweets	Dr.Monalisha Ghosh, Bidisha Patra, Dr.Anirban Chakraborty, Indrajit Pal
5	95	3D-CNN Empowered Assistive Machine Learning Model for The Hearing Impaired	Ankit Bansal <sup>1</sup> , Vijay Anant Athavale <sup>2</sup> , Amandeep Singh <sup>3</sup> , Aditi <sup>4</sup> , Moris Adam Shahmiri <sup>5</sup>
6	101	A Constructive Literature Review on Disease Diagnosis of Kidney, Heart, Lung and Brain using AI	Perumalraja R, Felcia Liganz Deshna B, Swetha N
7	107	Depression Prediction Using Machine Learning	Shivendra Vikram Singh
8	56	AI-Enhanced Library Management System	Mr. Neeraj Mate , Mr. Prathmesh Shirsat , Mr. Prathamesh Suryavanshi , Ms. Pratiksha Kude , Mr. Saksham Patel
9	57	AI VIRTUAL MOUSE	Mr. Prathamesh Suryavanshi , Ms. Shruti Chavan , Mrs.Priyanaka Vyas

### Day 2 – Track 3: IOT, Embedded Systems

Date: 10-06-2023		Time: 10.00 AM to 12.30 PM		Google Meet Link: <a href="https://meet.google.com/kbb-ovfv-zdd">https://meet.google.com/kbb-ovfv-zdd</a>	
Volunteers: 1) 2)			Session Chair: 1) Prof. Dhammjyoti Dhawase 2) Dr. Dhawas		
Sr. No.	Paper ID	Title of the Paper		Authors	

1	<b>126</b>	Analyzing Load Balancing Techniques for Cloud Computing: Pros, Cons, and Emerging Trends	Sarthak Sharma, Bhavish, Rupinder Singh, Jaskaran Singh, Sanjeev Kumar
2	<b>131</b>	Fall Detection for Elderly People with SOS alert	Ajay kumar, Gudapati Supraja, Mr.Panthagani Vijaya Babu
3	<b>60</b>	IOT BASED SMART WATER QUALITY MONITORING SYSTEM	Aswale Ashish, Adhav Makarand, Chavan Swati, Tejashree Bhosale, Kirti Ghodke, Ravini Dahiwal
4	<b>77</b>	Weather Station Using Iot	Swapnil Gaikwad, Riza Sande, Sakshi Bochare, Digambar Chalkapure, Prof. Sujata Jawale
5	<b>92</b>	Revolutionizing Student Engagement: Building a Cutting-Edge Student Interaction System with MERN Stack and Next.js	Kavita Jadhav, Rahul Dange , Roman Thapa , Divyansh Dubey , Shivani Sinha
6	<b>96</b>	Online Voting System with Face Recognition and One Time Password	Uma Hombal, Kalpesh Chaudhari, Sanika Utpat, Shruti Yadav, Parth Joglekar
7	<b>102</b>	Fake Product Identification by QR Using Blockchain	Dipamala Chaudhari, Nayna Ghatol, Baibhav Saini, Diksha Konale, Jaydeep Adik
8	<b>103</b>	Blockchain Based Document Verification System	Vishal Khetavat, Shubhendu Gupta, Pradip Bhor, Vimleshkumar Varma, Prof. Sairabanu Pansare
9	<b>115</b>	Empowering Smart Homes: A Comprehensive Integration of IoT and Android App for Home Automation	Aniket Wagh, Nikita Sarje, Prof. Priyanka Vyas, Prof. Dipika Paranjape

**Day 2 – Track 4: Mechanical and Electric Vehicle****Date: 10-06-2023****Time: 10.00 AM to 12.30 PM****Google Meet Link:**<https://meet.google.com/kbb-ovfv-zdd>**Volunteers: 1)  
2)****Session Chair: 1)Prof. Vishal Birajdar  
2) Dr. More**

<b>Sr. No.</b>	<b>Paper ID</b>	<b>Title of the Paper</b>	<b>Authors</b>
1	<b>37</b>	Optimization and NVH analysis of an instrument cluster	Vijay Darade, Digvijay Patil, Madagonda Biradar, Bhushan Pawar,*
2	<b>38</b>	Automated Industry Management System	Pradnya Gajare, Ayush Wagh, Pushpraj Rote, Saurabh Borse, Prof. Mujahid Shaikh
3	<b>44</b>	Literature Review for Mechanical Drives Trainer Kit	Onkar Dalvi, Akshay Pangare, Yashdeep Jain, Sagar Gaikwad, Prof. Subash Khetre
4	<b>48</b>	Design Analysis and Performance Evaluation of Cabot for Liquid Material Handling	
5	<b>49</b>	Experimental Investigation of the Machining Process Parameters for Hastelloy C-276	Prof. Subhash Khetre, Pranit Waghmare, Nitin varade, Punit Sonune, Vandana Kapure
6	<b>50</b>	A Review: Design, Analysis & Optimization of E-Bicycle	Parag Shahane, Sandip Pawar, Sainath Jadhav , Prof. Anil Yadav

7	<b>51</b>	Investigation of Optimization Machining Parameter for ABS Acrylonitrile butadiene styrene while using TNMG Insert by Taguchi and ANOVA	Mr. Kalpesh sonawane, Mr. Shubham chavan, Mr. Akash bhavar, Mr. Mustaq tamoli, Mr. Milind Ovhal
8	<b>55</b>	Smart Water Dispenser for Hot & Cold Water	Mayur Ahire, Kalpesh Ingale, Aniket Shelke, Datta Yadav
9	<b>75</b>	Integrated Student Database and Attendance Management System with Face Recognition	Siddhesh V Salunkhe, Rakesh P Lad, Shishupal Kumar, Tanishq C Mehta, Prof. R.K. Bhegade

## Day 2 – Track 5: ICT and Emerging Technologies

Date: 10-06-2023

Time: 10.30 AM to 12.30 PM

Google Meet Link:

<https://meet.google.com/kbb-ovfv-zdd>

Volunteers: 1)  
2)

Session Chair: 1) Prof. Mukund Kharde  
2) Dr. Anuj Khond

Sr. No.	Paper ID	Title of the Paper	Authors
1	67	Advancements in Speech Recognition Technology: A Cutting-Edge Tool for Improved Speech Analysis and Interaction	Dr. Anurag Shrivastava <sup>1</sup> , Govinda Rajulu, Lanke <sup>2</sup> , Aditi Saxena <sup>3</sup> , Dr. ALN Rao <sup>4</sup> , Mohd. Salim <sup>5</sup>
2	83	Efficient Test Case Generation Using Model Based Testing, and Model Paradigm Approach	<sup>1</sup> Dr. Pramod Jadhav, <sup>2</sup> Dr. Vinod H Patil, <sup>3</sup> Dr. Arun Pratap Srivastav, <sup>4</sup> Hemant Gupta, <sup>5</sup> Devendra Singh
3	108	Impact of Point Mutation on Shigella Toxin: A Molecular Dynamics Simulation Study	Nisat Tabassum <sup>a</sup> , Bristi Rani Paul <sup>b</sup> , Md Saddam <sup>c</sup> , Md Mostofa Uddin Helal <sup>d*</sup> , Susanta Paul <sup>e*</sup>
4	109	A Proposed Algorithm for Open Shop Scheduling Problem with Breakdown Interval, Transportation Time in Fuzzy Environment	Jatinder Pal Kaur <sup>a</sup> , Deepak Gupta <sup>b</sup> , Adesh kumar Tripathi <sup>c</sup> , Renuka <sup>d</sup>
5	167	An Insight on different plants in Himanchal Pradesh for their Therapeutic Usage (Antibacterial Activity)	Mayuri Jain*, Anuj Kumar Poonia
6	82	Smart Water Supply in Irrigation Using Raspberry Pi	Makarand Kirve, Om Deshmukh, Prasad Kamalekar, Khushaal Fulsunge, Sudarshan Kale,



			Shital Mehta
7	120	Cyber Security	Sumeet Pawar, Anuj Pawar, Mayur Pawar, Rohan Pawar, Sweety Patole
8	129	E-Waste Management	Samta pudke, Vaishnavi Pednekar, Prathamesh Podala, Mithesh Pote , Sandeep Pingale.
9	135	Programming Languages	Sarthak Satpute, Adil Shaikh, Aftab Shaikh, Irfan Shaikh, Prince Sharma

### Day 2 – Track 6: Mechanical and Electric Vehicle

<b>Date: 10-06-2023</b>		<b>Time: 10.30 AM to 12.30 PM</b>		<b>Google Meet Link:</b> <a href="http://meet.google.com/skc-gdrf-cwx">http://meet.google.com/skc-gdrf-cwx</a>	
<b>Volunteers: 1) 2)</b>			<b>Session Chair:1)Prof. RK Bhegde 2)Dr. Manoj Kate</b>		
Sr. No.	Paper ID	Title of the Paper	Authors		
1	139	<b>H2 Concept (A Zero Carbon Emission Vehicle)</b>	Omkar naikwade, niraj nandkhile, ajay nikam, akash mule, rhujuja mohankar		
2	147	<b>Neuralink : Crucial Importance of Electronics in the Field of Engineering</b>	Darsh patil, aditya.k.pagare, vaidehi nirgude, aditya pagare, bhumika patil		
3	148	<b>Robotics in Space Exploration</b>	Snehal paranjape, viraj patil, siddhant pawale, rohit pawar, dnyaneshwar padol		

4	154	<b>A Review of Application of Complex Number Used in Real Life</b>	Shivaji r. Indalkar, komal p. Ingle, anjali r. Jadhav, abhishek k. Jadhav, sakshi m. Javheri
5	155	<b>Rocket Science: The Space Race</b>	Amit Khatal,Pavan Khare,Shivam Khandve,Gayatri Kharat,Rutuja Khandge, Guided by :prof. Vaibhavi Avachat
6	157	<b>A Review on Hydrogen Fuel Based Vehicles</b>	Stephen mhetre <sup>a</sup> , pranav narwade <sup>a</sup> , shweta padir <sup>a</sup> , rohan more <sup>a</sup> , sarthak nagave <sup>a</sup> , prof. Prem kolle <sup>b</sup> ,*
7	164	<b>Green Concrete to Reduce Global Carbon Emission from Cement Production</b>	Tanushree behera, hrishikesh bawale, rushi bodakhe, omprakash bidve, viraj bhambure
8	165	<b>Solid Waste Management: A Review</b>	Prasad Kolte,Vrushabh khot, Priyanshu Khati, Sakshi Kolhe, Shrushti, Vaibhavi Avachat
9	166	<b>Breaking the Taboo: Talking About Sanitary Pads A Review</b>	Yuvkshi patil, geeta pobbal, obed rozario , gayatri patil, rucha patil dr. Madagonda k biradar.
10	168	<b>Building Intelligent Urban Ecosystems: Unleashing the Power of Smart Cities For Enhanced Livability And Efficiency</b>	Shantanu shinde, meenal shelar, omkar shelar, jayesh shinde, sarthak shahane
11	172	<b>Electric Vehicles: The Upcoming Change.</b>	Prajwal dighe, prathamesh dodake, girija dumbre, saurabh doke, emile johny

### Day 2 – Track 1: Image Processing & Computer Vision

<b>Date: 10-06-2023</b>	<b>Time: 10.30 AM to 12.30 PM</b>	<b>Google Meet Link:</b> <a href="https://meet.google.com/kbb-ovfv-zdd">https://meet.google.com/kbb-ovfv-zdd</a>
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<b>Volunteers: 1) 2)</b>		<b>Session Chair: 1) Prof. Uma Patil 2) Dr. Ashwini Sapkal</b>	
1	<b>113</b>	<b>Video Regeneration Using Image Diffusion Model</b>	Prof. Premanand Ghadekar, Srushtiraj Patil, Dijasmit Patil, Amey Chopde, Hiranmayee Sant, Omkar Bhosale
2	<b>127</b>	<b>Fruit Recognition Using Image Processing</b>	Sakshi Patil, Kunal Mhaske, Omkar Ghanwat, Rutuja Palkar, Prof. Pankaj Shinde
3	<b>179</b>	<b>Artificial Intelligent and Its Future.</b>	K.Samadhan, K.Rushikesh, K.Dattatray, K.Omkar, K.Anirudha
4	<b>183</b>	<b>Comprehensive Literature Survey on Retinal Image Analysis for Diabetics-prediction Using Machine learning</b>	Kavita Jadhav, Aparna Pande, Uttara Varade, Deepti Chaudhari
5	<b>128</b>	<b>Untangling the Mysteries of Artificial Intelligence</b>	Sham Sambare, Harish Salve, Harshvardhan Sankpal, Shrutika Salve, Tejas Sasane, Shraddha Deshpande
6	<b>138</b>	<b>Neuronlink: An Integrated Brain-Machine</b>	Meet Modhoriye, Akanksha Mokashe, Nikhil More, Tejas More, Gautami Mudhol, Dr. Madagonda K Biradar.
7	<b>142</b>	<b>Data-Science</b>	Chetan Ghodke, Komal Gawate, Sanket Ganje, Omkar Gargote, Prathamesh Gavandhare
8	<b>149</b>	<b>Data Science with Python</b>	Nikhil Raghuwanshi, Prajwal Ramse, Priya Ram, Prachi Salunke, Rishi Sinha.
9	<b>150</b>	<b>The Future of Warfare: A Smart AR/VR AI-Driven Helmet for Real-Time Data Analysis and Tactical Advantage</b>	Atharva, Ashish, Rohit, Venktesh, Sanika
10	<b>161</b>	<b>A Review: Intrusion Dectection System by Machine Learning</b>	Asmita Bagal, Yugal Bari, Sujal Baviskar, Ranjeet Bayas, Krunal Bhadke, Vaibhavi Avchat Ghardale

11	<b>169</b>	<b>Cyber Security &amp; AI (Artificial Intelligence)</b>	Nikeeta Garrade ,Devang Reddy ,Shreya Dhole , Mansi Gaikwad,Abhishek Gaikwad
12	<b>200</b>	<b>Brave Block: User Authenticator</b>	Prasad Makulwar, Isha Bahadurkar, Dnyaneshwar Jadhav, Appasaheb Korke, Prasad Dhore
13		<b>Automatic Hand Brake</b>	Mr. Pavankumar S. Ambuskar <sup>1</sup> , Mr. Tathagat R. Wankhade <sup>2</sup> , Prof. Vijay Darade*,

### Day 2 – Track 2: AI, ML, CS and Deep learning

<b>Date: 10-06-2023</b>		<b>Time: 1.30 PM TO 5.00 PM</b>		<b>Google Meet Link:</b> <a href="https://meet.google.com/kbb-ovfv-zdd">https://meet.google.com/kbb-ovfv-zdd</a>	
<b>Volunteers: 1) 2)</b>			<b>Session Chair: 1) Prof. Kavita Jadhav 2) Dr. Bharati Vyavhare</b>		
Sr. No.	Paper ID	Title of the Paper	Authors		
1	<b>58</b>	<b>Multiple Disease Prediction Using Machine Learning</b>	Kalyani W., Mayuri K., Snehal A., Prerana T., Omkar K.		
2	<b>63</b>	<b>Advancements in Data Ingestion and Processing Using Hadoop</b>	Prof. Priyanka Vyas, Dr. Ashwini Shinde, Prof. Dipika Diwase, Mr.Akash Kathole		
3	<b>73</b>	<b>Pyro Alert: Fire Detection Using Computer Vision and Alert System</b>	Ms. Prajakta Sawant , Ms. Aishwarya Jadhav, Mr. Nishiket Waghmode, Mr. Pravin Bansode, Prof Komal Rajgude		

4	<b>85</b>	<b>A Study on Skin Disease Detection and Hospital Recommendation System</b>	Yash Salve, Nikita Dinkwar, Vishal Khile, Aniket Patil, Dr.Prasad Dhore
5	<b>93</b>	<b>Predicting Stock Market Trends with Machine Learning: A Comprehensive Study</b>	Shivani Chaudhari, Perna Phalke, Mokshada Borade, Vaishnavi Kumbhar, Kavita Jadhav
6	<b>94</b>	<b>DNA Classification Using Machine Learning</b>	Vedika Kadolkar, Purva Dhamodikar, Shreya Pingale, Kausin Sayed, Ankita Sarnaik
7	<b>104</b>	<b>Emotion Detection using Deep Learning</b>	Shraddha Belhekar, Priya Patil, Snehal Hulule, Tanvi Ghare, Dhammjyoti Dhawase
8	<b>110</b>	<b>Heart Disease Prediction using Machine Learning</b>	Tejaswini Zope, Rutuja Deshmukh, Rutuja Devikar, Ganesh Rathod, Mohfiz Khan,
9	<b>111</b>	<b>Crime Examination and Forecasting Using Machine Learning</b>	Gayatri Mali, Mahima Kakad, Anchal Shukla, Rohit Patil, Prof. Dipamala Chaudhari
10	<b>170</b>	<b>Artificial Intelligence: A Boon or Curse</b>	Ashish Khonde khondeashish081@gmail.com Nimisha Kamble Subodh Kamble, Sudarshan Kamble, Anup Kamble
11	<b>173</b>	<b>Artificial Intelligence (Recent Advances and Future Directions or Healthcare)</b>	Somnath Ghorpade, Omkar Ghule, Kartik Ghungre, Harsh Hadgal, Sandeep Hanumantgola, prof.Archana Yewale

## Day 2 – Track 3: IOT, Embedded Systems

**Date: 10-06-2023**

**Time: 1.30 PM TO 5.00 PM**

**Google Meet Link:**  
<https://meet.google.com/kbb-ovfv-zdd>

**Volunteers: 1)  
2)**

**Session Chair: 1) Prof. Ashish Jawke  
2) Dr. Gayatri Ambadkar**

<b>Sr. No.</b>	<b>Paper ID</b>	<b>Title of the Paper</b>	<b>Authors</b>
1	<b>116</b>	<b>Fire Surveillance System Using Wi-Fi</b>	Ria Khandelwal, Aman Yadav, Shivrtna Ghante , Abhay Bhombe, H S Gore
2	<b>118</b>	<b>Blockchain Based Decentralized Secure Cloud Storage System</b>	Kshitij Patil, Suraj Madikatla, Chaitanya Chetti, Aniket Dongre, Uma Hombal
3	<b>121</b>	<b>The Dark Web</b>	Om Shinde, Priya Shelkar, Nilesh Shinde, Vrushali Shelar, Raj Shelar
4	<b>123</b>	<b>IOT Based Automatic Dam Door Opening and Flood Detection System</b>	Shreya Nake, Indraneel Mahekar, Prof. R R Malekar
5	<b>124</b>	<b>CHATBOTS-Let the Revolution Begin</b>	Vaidehi Patil, Kirtan Patela, Sumedh Pathak, Shivanand Patil, Asmita Patil, Prasannata Ramtirthe
6	<b>125</b>	<b>Blockchain Based NFT Marketplace</b>	Prof. Tejaswini Zope, Tushar Bhosale, Vikaskumar Dane, Dhaval Chotliya & Harsh Yallatikar

7	<b>151</b>	<b>Internet Of Things &amp; Its Application</b>	Pranav Kalea ,Ankita Kakadeb, Nikhil Kadusc,Saloni Kalokhed,Shital Kalekare
8	<b>152</b>	<b>Chat-GPT An AI Chatbot</b>	Kareena Chinchkar, Chirag Yadav, Gayatri Chopade,Vrushabh Chavan, Pranav Chavan, Prof. Vaibhavi Avachat
9	<b>153</b>	<b>Role of Ai in Cybersecurity</b>	Vishal Dhake, Shiv Dhakne, Prathmesh Dhawale, Sujal Dhawale, Rutvik Dhore
10	<b>158</b>	<b>Cyber Security Threats to Watch Out</b>	Abhijeet Bhaisare, Pratik bhoirkar, Nilesh darekar, Mohit Borse, Praful Chame Guide: Ajit Kashid
11	<b>160</b>	<b>Metaverse Unleashed: The Next Frontier of Digital Reality</b>	Avishkar Wankhede, Gaurav Wande, Jay Wankhede, Jay Wagh, Pallavi Wagh, Prof. Ankush. S. Patil
12	<b>162</b>	<b>A Review Paper on: Internet of Things</b>	Nishikant kshirsagar,Parth kulkarni,Vaishnavi kukde,suyog kulkarni, Varad K, Prof.Vaibhavi Avchat
13	<b>171</b>	<b>5G Wireless Technology</b>	Shivam Shinde, Gunjan Sasane, Kshitija, Akshad Shinde, Pawan Singh

**Day 2 – Track 4: Mechanical and Electric Vehicle**

<b>Date: 10-06-2023</b>		<b>Time: 1.30 PM TO 5.00 PM</b>		<b>Google Meet Link:</b> <a href="https://meet.google.com/kbb-ovfv-zdd">https://meet.google.com/kbb-ovfv-zdd</a>
<b>Volunteers: 1) 2)</b>			<b>Session Chair: 1) Dr. Biradar 2) Mr. Shripad Vakodkar</b>	
<b>Sr. No.</b>	<b>Paper ID</b>	<b>Title of the Paper</b>	<b>Authors</b>	
1	76	Fire Fighting Robot	Sakshi Patil, Sangmesh Deshmukh, Mehek Talmal, Makarand Gadhe, Utkarsha Devkar	
2	78	Face Detection Based Vehicle Ignition System	Siddhesh Deokar, Rakesh Lad, Prof.Shailendra More	
3	79	Anti-Sleep Alarm System for Vehicle	Vishal Jadhav, Omkar Kachare, Prof. Mujahid Shaikh	
4	87	Gear Throttle Lock for Motorcycle	Raturaj Dhamale, Niraj Pardeshi, Rohit Kadam, Satyajit Manepatil, Prof.B.S.Pawar.	
5	88	Thermoelectricity Generator (Teg)	Abdulaziz maneri, Sherin david, Shantanu shinde	
6	89	Intelligent Braking “Low Cost for EV”	Harsh Thaokar, Vaibhav Patil, Yash Jagtap, Tushar Maisalge	
7	91	A Review: Rack and Pinion Automatic Gate	Vivek Patil Gaurav Sampat, Anil Yadav	
8	106	Driverless Car	Aditya Rane , Aditya Neve , Bhimashankar Mathapati, Kiran Thote , Komal Sutar, Rajlaxmi	



			Warat
9	114	A Review: Design, Analysis & Optimization of Battery-Operated Swing Arm Two-Way Sprayer	Shivraj Khude, Saurabh Savle, Yogit Patil, Vishal Thakare, Prof. Ankush.S. Patil
10	133	Renewable Energy Supply and Energy Efficiency Technologies	Shruti Mungase, Aniket Mule, Om Nagare, Abhishek Nagare, Harsh Mule
11	136	Sanitary Pads Incinerator Machine	Ganesh mohol, Sourabh dhavan, Sandesh waghule, vaibhav sakore, Prof. Mujahid Shaikh ,Abhishek Darote

### Day 2 – Track 5: ICT and Emerging Technologies

<b>Date: 10-06-2023</b>		<b>Time: 1.30 PM TO 5.00 PM</b>		<b>Google Meet Link:</b> <a href="https://meet.google.com/kbb-ovfv-zdd">https://meet.google.com/kbb-ovfv-zdd</a>	
<b>Volunteers: 1) 2)</b>			<b>Session Chair: 1) Prof. M. Shaikh 2) Mr. Vinay Joshi</b>		
Sr. No.	Paper ID	Title of the Paper	Authors		
1	137	Exploration Of the Future of Web Development And Emerging Technologies	Paras Nikum , Isha Padhal, Om Pande, Sakshi Parge, Gajanan Patange		
2	141	The Evolution of Computers Sudarshan	Kakad, Vaibhav Kale, Atharv Kakare, Aditya Kalokhe, Prof. Archana Yewale		

3	<b>140</b>	<b>Quantum Computing</b>	Siddharth Kote, Dnyaneshwar Kshirsagar, Vaishnavi Lahane, Vedant Lambade
4	<b>163</b>	<b>Review Paper of Integration and Its Uses in Daily Life</b>	Sarthak Shinde, Aditya Rasankute, Pratik Patil, Aditya Shinde, Vaibhav Bhushetty Prof Bhimrao Pandurao Gaikwad
5	<b>181</b>	<b>ChatGPT: Conversational AI Powered By GPT</b>	Vaishnavi Hankare <sup>1</sup> , Vaishnavi Hajare <sup>2</sup> , Vaishnavi Hatt <sup>3</sup> , Vishal Gutte <sup>4</sup> , Shiva Halde <sup>5</sup>
6	<b>185</b>	<b>Design Of Effective Controllers Using Pfc Super Lift Converter for Fed BLDC Motor</b>	Mr. Mukund Kharde, Mr. Amol Sonawane, Mr. Vishal Birajdar , Aparna Pande
7	<b>187</b>		
8	<b>192</b>	<b>Personal Finance</b>	Saniya Inamadar, Samarth Hattarke, Aditya Honkalas, Pratik Ingle, Shivram Ingole, Prof. Archana Yewale
9	<b>119</b>	<b>Design Modifications Techniques Used in Microchannel Heat Sink for Heat Transfer Augmentation.</b>	Vikas Yadav, Ankush Patil, Shailendra More, Subhash Khetre
10	<b>130</b>	<b>Consequences And Solutions of Deforestation: India</b>	Prathmesh Malunjkar, Pranav Mankar, Niraj Matere, Aryan Maurya, Himanshu Meshram, Dr. Prasannata Ramtirthe
11	<b>132</b>	<b>Review On Social Media</b>	Shraddha Naikare, Vivek Nalawade, Shivani , Sahil Natak, Abhay Navsare.

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<b>Day 2 – Track 6: Mechanical and Electric Vehicle</b>			
<b>Date: 10-06-2023</b>		<b>Time: 1.30 PM TO 5.00 PM</b>	
		<b>Google Meet Link:</b> <a href="https://meet.google.com/pwd-oaog-ajj">https://meet.google.com/pwd-oaog-ajj</a>	
<b>Volunteers: 1) 2)</b>		<b>Session Chair:1)Prof. Milind Ovhal 2)Dr. Shekhar Rahane</b>	
<b>Sr. No.</b>	<b>Paper ID</b>	<b>Title of the Paper</b>	<b>Authors</b>
1	174	Environmental conservation	Jaydeep Kumbhar, Yash Kumdale, Atharav Lokhande, Kaustubh Londhe, Suraj Kushwaha.
2	175	RC Cars	Sangit Jondhale, Varad Joshi, Kasturi Jibhakate, Dhiraj javir
3	176	Corrosion	Harsh Bhakre, Shantanu Bharate, Nikita Bharambe, Vishakha Bhagat, Gargi Bhangare
4	177	Research Review Paper of Complex Numbers in Real Life	Tushar Gaikwad, Aditi Ghare, Ratnakar Kadam, Niharika Limbekar, Pratik Pal
5	178	Renewable energy resource	Sagar Kambli , Diksha Kedari , Satish Khalse , Aditya Khade , Sanskar Kendre , Vaibhavi Avachat
6	180	Design Development and Review of Electrical Trainer Kit	Panjab Terwea, Pravin Bharatia, Laitt Patila, Vaishnav Gholapa, Vijay Daradeb

7	<b>182</b>	<b>Study of Optimization Process -Taguchi Method</b>	Anil Yadav, Premkumar Kolle, Archana Yewale, Damayanti Ingale, Rupali Jagnade
8	<b>184</b>	<b>Advance Tool Management for Smart Factory</b>	Shubham Zalse, Lokeh Jaiswal, Devendra Patil, Arati Gane, Mukund Kharde
9	<b>188</b>	<b>Electric Vehicles : An Overview of Technology, Environmental Impact and Market Trends</b>	Sagar lonkar, Harshal Mali, Manas lonkar, Vaishnavi Mali, Kadambari Malsane, Prof.Vaibhavi Avchat
10	<b>190</b>	<b>Investigation of Optimization Machining Parameter for EN19 while using TNMG Insert by Taguchi and ANOVA</b>	Komal koyte, Madhuri bansode, Vaishalikalekar, Rishikeshjoshi
11	<b>191</b>	<b>Design &amp; Development of Small Wind Turbine</b>	Pratik Futane, Prajakta Tekale, Akash Gove, Tushar Bhosale
12	<b>193</b>	<b>A Review of Tribological Performance of Jatropha Instead of Synthetic Oils Using Journal Bearing Tester</b>	Vikas Kholea, Pranali Jagtapa, Chaitali Dodakea, Amit Kakadea, Prof. Subhash Khetre
13	<b>199</b>	<b>A study of Fuzzylogic in Cognitive Sciences</b>	Bhimrao Gaikwad
14	<b>203</b>		
15		<b>Robotic Process Automation( RPA) in Data Cleansing</b>	<b>Utkarsh Gore</b>
16		<b>Studying History with VR</b>	Prathamesh Kudale, Aachal Khodape, Aastha Khawale, Shrikant Khade, Amay Lohar, Prem Kolle
17		<b>Home Automation System for Disabled Person</b>	Mahesh Pawar
18		<b>Automatic Hand Brake</b>	Mr. Pavankumar S. Ambuskar <sup>1</sup> , Mr. Tathagat R. Wankhade <sup>2</sup> , Prof. Vijay Darade