



Pimpri Chinchwad Education Trust's  
**Pimpri Chinchwad College of Engineering & Research**  
Ravet, Pune

## Copyrights Filed

Department : E&TC

A. Y. : 2024-25

Sr. No	Diary Number	Name of Author	Title of Copyright	Status
1	L-156628/2024	Dr. Dipali K. Shende	Detection and simulation of pancreatic tumor growth based on prediction model	Registered
2	7113/2025-CO/L	Dr. Kishor Bhangale	Alexa Integrated Smart Mirror For Personal Assistance	Registered
3	L-157817/2024	Dr. Kishor Bhangale	SYSTEM TO ALARM FRESHWATER CONTAMINATION USING IOT DEVICES	Registered
4	30988/2024-CO/L	Vijayalaxmi Kumbhar	System To Alarm Freshwater Contamination Using IoT Devices	Registered
5	31093/2024-CO/L	Dipali Dhake	Multimodal Human Stress detection using deep learning	Registered
6	30914/2024-CO/L	Priti Kale	Cardiac Health Monitoring Using Deep Learning Algorithm	Registered
7	L-147800/2024	Dr. Kishor Bhangale	Autonomous Human Following Line Detecting Robot	Registered

8	31699/2024-CO/L	Dipali Dhake	Autonomous navigation Mobile Robot	Registered
9	7361/2025-CO/L	Dr. Kishor Bhangale	Plant Health Detection And Monitoring System Using Blynk Iot"	Registered
10	L147240/2024	Dr. Kishor Bhangale	Automated Solar Power Based Dehydration System	Registered
11	14088/2025-CO/L	Dr. Kishor Bhangale	Design Of Pick & Place Robotic Arm	Registered
12	L-149685/2024	Dr. Kishor Bhangale	REAL TIME MONITORING DISPLAY FOR RESEARCH AND INNOVATION LAB	Registered
13	7113/2025-CO/L	Dr. Kishor Bhangale	Alexa Integrated Smart Mirror For Personal Assistance	Registered
14	L-149685/2024	Dr. Kishor Bhangale	REAL TIME MONITORING DISPLAY FOR RESEARCH AND INNOVATION LAB	Registered
15	28516/2024-CO/L	Triveni Dhamale	Autohealth : Predictive Maintenance of EVsusing Deep Learning	Registered



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A. Y. : 2023-24

Sr. No	Diary Number	Name of Author	Title of Copyright	Status
1	5392/2023-CO/L	Vijayalaxmi Kumbar	Design And Optimization Of Finfet Based Applications With Improved Performance Parameters	Registered
2	L-137768/2023	Rupali Kawade Dipali Dhake Nandini Shintre Kalyani Yadav Maithili Zambare	AgriAI: Cultivating Insights into Commodity Markets	Registered
3	L-138246/2023	Priti Kale Dnyaneshwari Sahane Yashika Gujar Atharva Joshi	Agro-AI: Predictive Soil Analysis and Crop Yield Optimization using Machine Learning	Registered
4	L-138248/2023	Maithili Andhare Asjad Mulani Saurabh Nagbhidkar Siddhant Mohite	IoT based remote monitoring and automation system for polyhouse	Registered
5	L-139943/2023	Dipali Dhake Rohit Gadivadd Devendra Huse Gajanan Sagare	Automatic CNC Based Spot Welding Machine	Registered

6	L-138392/2023	Vijaya laxmi Kumbhar Sital Prashantdeep Komal Borse Mayuri Waske	Operation Dynamo	Registered
7	27079/2023-CO/L	Atharva Gadgil Vyanktesh Dongre Jay Admane Dr.Dipali Shende	AI - DRIVEN CROP PREDICTION AND SOIL NUTRIENT ESTIMATION WITH NPK ANALYSIS	Registered
8	26972/2023-CO/L	Adesh Dhage Yogesh Pawar Rohan Yadav Dipali Shende	Internet of Things based Weather Monitoring and Analysis Using Graphical user Interface	Registered
9	L-144824/2024	Mrunmayee Rahate Vijaya Yaduvanshi Prem Bambori Vaibhav Koli Sakshi Saindane	Landslide Detection using WSN	Registered
10	L-137819/2023	Pallavi Adke Prajit Nair Atharv Jununikar Ayushi Singh	Computer Vision based Weed killing rover	Registered
11	L-138409/2023	Pallavi Adke Rutuja Sandbhor Akshada Kharade Chaitanya Sonawane	SEMANTIC segmentation of roof top photovoltaic panel from satellite and aerial images using Deep Learning	Registered
12	L-143803/2024	Maithili Andhare Mandar Nikam Saloni Patil	Food processing unit using IOT	Registered

		Ritu Tanwar		
13	L-144012/2024	Kishor Bhangale Surabh kadam Sakshi Chame Haedik Saklikar	AI based Heart Disease Prediction using ECG Images	Registered
14	L-137858/2023	Kishor Bhangale Sakshi Salunkhe Meenakshi Raghupathy Shweta Dhende	Neural Stress mapping with deep learning from EEG data.	Registered



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A. Y. : 2022-23

Sr. No	Diary Number	Name of Author	Title of Copyright	Status
1	L-122841/2023	Triveni Dhamale Vikram Garje Satyam Bugdane Durvesh Choudhary	DEVELOPING AN IoT-BASED SMART INDOOR AEROPONIC FARMING SYSTEM	Registered
2	L-122944/2023	Triveni Dhamale Neha Palwe Yash Uday Gupta Avishkar raut Sreenalini nambiar	Detection of autism spectrum disorder using deep learning	Registered
3	L-122495/2023	Dr.Rahul Mapari Kapil waghmare Kiran Thorat Sanket kale	Power converter and control of wind energy conversion system for maximum power extraction	Registered
4	L-122450/2023	Kishor Bhangale Nehul Gupta Vaishnavi Patil Vedangi Thakur Tamanna	Analysis of Affective Computing for Marathi Corpus using Deep Learning	Registered
5	L-122618/2023	Dipali Dhake Aaditya Joshi Chinmay Vyawahare	Development of IoT based Solar drying and monitoring System	Registered

		Bhushan Walunj		
6	L-124600/2023	Mrs. Arti A. Tekade Yash Kulkarni Vidhi Raina	Machine Learning based smart assistive robot for elderly people	Registered
7	23088/2022-CO/L	Kiran napte Shravani Pulliwar Kritika Narware Shreyas Dixit	Technologies for Primary Storage of Onions.	Registered
8	L-122482/2023	Kishor Bhangale Tejas Naik Mahesh Kope Prathmesh Pisale	IOT BASED AUTOMATION OF PRE TREATMENT PLANT FOR surface COATING with multiple batched system	Registered
9	L-122925/2023	Priti Kale Abhijeet Pole Patil Shreyas	Multipurpose robot should contain seed sowing,fertilizer spray,crop wedding	Registered
10	L-125727/2023	Dipali Dhake Shreyash Gunjal Kunal Gaikwad Sanket walunj	EEG based Mental Stress Level Detection	Registered
11	L-122828/2023	Dr.Rahul Mapari Gayatri Kharche Anshika Singh Aayush Kedari	AR enabled IoT for Smart and interactive environment with affordable cost	Registered
12	24120/2022-CO/L	Rupali Kawade Tejas Kulkarni Sayali Kanchan NIranjan Kangane	Deploying a neural network model on raspberry pi to identify the emotion of speech	Registered

13	23234/2022-CO/L	EKTA AJAY GORANE PRAJAKTA HOMKAR CHINMAYEE DADHI Dr.Dipali Shende	SMART RIVER CLEANING BOT	Registered
14	L-122950/2023	Prajwal Gaikwad Pratik Kshirsagar Mayur Hadawale Dr. Pallavi Adke	Enlighten GAN For Super Resolution Images From Surveillance Car	Registered
15	L-122632/2023	Mrs. V. S. Kumbar Atharva Yawalkar Mayur Patil Tanmay Waware	Design of the Ultra Low Power Area Efficient Ring Counter Based SAR ADC	Registered
16	24206/2022-CO/L	Mrs. Maithili Andhare Atharva Vidhate Atharva Dharmale Anvay Ranaware	Renewable Energy Integration Into Cloud & IoT Based Smart Hydroponic System	Registered
17	24182/2022-CO/L	Mr. Kishor B. Bhangale Sumeet Punia Harhsal golhar Tejas Bijawe	Energy Efficient Electric Bicycle Design Using Solar Panel.	Registered
18	L122517/2023	Mrs. Arti A. Tekade Abhijeet Patil Shreyas kapare Ganesh Shinde	Design And Compare 32 Bit Vedic Multiplier With Other Types of Multiplier Implemented With Carry Look Ahead Adder	Registered
19	23201/2022-CO/L	Mrs. V. S. Kumbar Swaraj Dattatraya Pawar Anuj Nivrutti Patil Shantanu Sunil Pawar	Solar Powered Wireless Charging of Electric Vehicle	Registered

20	24048/2022-CO/L	Mrs. Priti Kale Bhagyashree Patil Saniya Sayyad Vaishnavi Pimpalshete	Development of Solar Power Panel Monitoring System Using Drone	Registered
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**A. Y. : 2021-22**

Sr. No	Diary Number	Name of Author	Title of Copyright	Status
1	28428/2021-Co/L	Santosh Randive, Joel Joseph, Neel Deshmukh, Prashant Goje	Deep Learning Based Haze Removal System	Registered
2	28378/2021-Co/L	Triveni Dhamale Haritha Selvakumaran. Rohit Nakashe. Timish Dhage	Photovoltaic Modules Diagnosis Using Computer Vision	Registered
3	28464/2021-Co/L	Maithili Andhare, Suyash Choudhari, Ajinkya Deshpande, Sanket Chavan	IoT Base Library Automation System	Registered
4	28445/2021-Co/L	Maithili Andhare, Tejveer Anand, Siddhant Jain, Sourabh Upare	Deployment Of Real Time Energy Monitoring System Using Iot	Registered

5	28443/2021-Co/L	Kishor Bhangale, Pranoti Desai, Saloni Banne, Utkarsh Rajput	Neural Style Transfer: Reliving Art Through Ai	Registered
6	28382/2021-Co/L	Mrs.Arti Tekade, Mrunal Jadhav, Niraj Mistri , Akansha Pole	Advanced Worker Safety Helmet	Registered
7	28364/2021-Co/L	Mrs. Dipali Dhake Tushar Vilas Hande , Tejashri Vijay Shingade, Shruti Kishor Warade	EEG Based Persons Emotion Recognition	Registered
8	1302/2022-Co/L	Rupali Kawade, Rupali Konade, Pranitee Majukar, Shreya Patil	Analyzing Emotions From Indo- Aryan Language Using Deep Learning	Registered
9	28342/2021-Co/L	Kishor Bhangale, Srushti Nemade,Richa Patil,Ishika Bijwe	Third Eye For Blind-Raspberry Pi Based Reader For Visually Impaired	Registered
10	30751/2021-Co/L	Kishor Bhangale,Sejal Renake, Neeraj Singh, Amandeep Singh	IoT Based Fall Detection System	Registered
11	28326/2021-Co/L	Dr. Rahul Mapari, Kunal Gujar, Nikhil Jagtap, Akash Mahajan, Yash Sarode	Hydroponics-Ii (Iot Based Vertical Farming Using Hydroponics For Spectrum Management & Crop Quality Control)	Registered
12	28376/2021-Co/L	Kishor Bhangale, Harshal Bhosale, Aditya Mane, Yatish Patil	Iot Based Landslide Detection In Hilly Area	Registered
13	28373/2021-Co/L	Kishor Wane, Qaeed Rawal, Prashant Palake, Pavan Ambegave.	Plant Leaf Disease Detection And Smart Spraying Robot Using Artificial Intelligence For Precision Agriculture	Registered

14	30141/2021-Co/L	Vijayalaxmi Kumbhar, Manali Bhalerao, Shruti Londhe , Sayali Rane	Smart Garbage Segregation And Dustbin Level Indicator	Registered
15	1435/2022-Co/L	Mrs.Dipali Nilesh Dhake	Artificial Intelligence Based Multilevel Stress Detection And Analysis Using Eeg Signal	Registered
16	25455/2021-Co/L	Triveni Dhamale	Autism Spectrum Disorder Detection Using Medical Imaging	Registered
17	3681/2022-Co/Sw	Prof. Arti A. Tekade, Trupti Ramkisan Asawa, Darshana Purushottam Toke, Sumit Suresh Choudhary	Dry Handwashing And User Health Monitoring Using Raspberry-Pi To Reduce Viral Infection	Registered



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Department : E&TC

A.Y. : 2020-2021

Sr. No	Diary Number	Name of Author	Title of Copyright	Status
1	9047-2021-CO/L	Dr. R.G. Mapari	Smart SCARECROW System to avoid crop raiding and man animal conflict.	Registered
2	9178/2021-CO/L	Mrs. T. D. Dhamale	Design & Simulation of Microstrip Patch antenna for 5G applications	Registered
3	9161/2021-CO/L	Mrs. T. D. Dhamale	COVID-19 Patient Care Robot	Registered
4	9072/2021-CO/L	Mrs. D. N. Dhake	Teleoperated Animatronics Robot	Registered
5	9250/2021-CO/L	Mrs. D. N. Dhake	Solar Grass Cutting Robot	Registered
6	9504/2021-CO/L	Mrs. R.R. Kawade	Wireless Weather Monitoring System using GSM technology	Registered
7	9092/2021-CO/L	Mrs. M. S. Andhare	EMR analysis to predict various diseases	Registered
8	9150/2021-CO/L	Mrs. M. S. Andhare	LoRaWAN based smart farming using modular IOT architecture	Registered
9	9144/2021-CO/L	Mrs. V.S. Kumbhar	Autonomous floor Cleaning Robot	Registered
10	9091/2021-CO/L	Mr. K. B. Bhangale	Multiview Multipose Robust Face Recognition using VGGNet	Registered
11	9136/2021-CO/L	Mr. K. B. Bhangale	IOT based Real Time Plant Leaf Disease Detection using Raspberry PI	Registered
12	9210/2021-CO/L	Mr. S. N. Randive	Spark-A Humanoid Robot	Registered
13	9191/2021-CO/L	Mr. K. M. Napte	Camera Based driver drowsiness detector	Registered
14	9069/2021-CO/L	Mr. K.B. Wane	Smart Mirror using Raspberry PI for displaying staff schedule	Registered
15	8912/2021-CO/L	Mr. K.B. Wane	Secure contactless automatic ration distribution system	Registered



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**A.Y. : 2017-18 to 2019-20**

Sr. No	Diary Number	Name of Author	Title of Copyright	Status
1	13418/2017-CO/L	Dr. R.G. Mapari	A smart bi-directional power converter for vehicle to vehicle, vehicle to home and home to vehicle power transmission	Registered
2	14361/2017-CO/L	Dr. R.G. Mapari	A Smart Digital Stapler	Registered
3	16790/2017-CO/L	Dr. R.G. Mapari	Firearm Security	Registered
4	11057/2018-CO/L	Dr. R.G. Mapari	Automatic Weed Killing Robot	Registered
5	670/2018-CO/L	Mrs. M. S. Andhare	IoT based smart container	Registered
6	17449/2019-CO/L	Mrs. V.S. Kumbhar	Soil Analyzing Tool	Registered
7	17444/2019-CO/L	Mrs. V.S. Kumbhar	Making India Paperless Using Cloud Storage for Documentation	Registered
8	756/2018-CO/L	Mrs. T.D. Dhamale	RF Electromagnetic Pulse Generation & its Effects	Registered
9	726/2018-CO/L	Mrs. T.D. Dhamale	Implementation of MEMAC protocol using WSN	Registered
10	744/2018-CO/L	Mrs. R.R. Kawade	Implementation of algorithm for counting of silkworm eggs	Registered
11	733/2018-CO/L	Mrs. D.N. Dhake , Mrs. R.R. Kawade	Presentation on "Diode Circuits"	Registered
12	627/2018-CO/L	Mr. K.B. Wane	P2P Data transfer without PC (pen drive to pen drive data transfer without computer)	Registered
13	17457/2019-CO/L	Mrs. M. S. Andhare	SMARISA: A Raspberry Pi based Smart Ring for Women Safety Using IoT	Registered
14	17442/2019-CO/L	Mr. S. N. Randive	Malaria parasite detection using deep learning	Registered
15	17525/2019-CO/L	Mrs. T.D. Dhamale	IOT Based Real Time System for Industrial Boiler Safety	Registered
16	17533/2019-CO/L	Mrs. D. N. Dhake	ATM security system using iris recognition by image processing	Registered

