

Project Based learning

2023 – 2024 :

Batch No	Project Title	Project Domain	Name of the Student	Guide Name	Remarks
1	URBAN ROUTEZ FOR PUBLIC TRANSPORT	Networks	Jude Jones J Kamalesh KB Kavin S Logesh R	Dr.J.Benadict Raja,M.E,Ph.D.	This can range from the formal and closed form of systems like metro rail transit, light rail transit (LRT), suburban rail, and bus rapid transit (BRT) to small-size buses and shared auto rickshaws operated informally by private operators.
2	FOODEVEN - FOOD ORDERING SYSTEM	Mobile App Development	Harinandhavelu N Hari Prem RC Hethiskarna SRK Karthikeyan V	Mr.K.Suresh., M.E.	Food Ordering System is a food service technology solution that facilitates the seamless ordering process for customers and businesses. It leverages online platforms and integrated point-of-sale (POS) systems to streamline food ordering.
3	CHATBOT FOR GOVERNMENT RURAL SCHEMES	Web Development	Hari Haran RC Irastus Jasper I Kabilan P Gowtham R	Dr. K. Dhanalakshmi, M.E., Ph.D.,	In the ever-changing landscape of digital revolutionary chatbot known as SchemeSetu.
4	GOV SCHEMIFY – A CHATBOT FOR GOVERNMENT	mobile app development	Karvendar P Krishna Kumar JK Kirthik Raja P Jeyam Praveen G	Ms. S. Aadhyta, M.E.,	Intelligent chatbot serves as a central information hub, consolidating crucial details on government sponsored loans and insurance schemes from various sources
5	CROP YIELD PREDICTION USING MACHINE LEARNING	Machine learning	Guru S Jeya guhan J Karthikeyan V Kishore V	Dr.N.Dhanalaksmi, M.E., Ph.D.,	It involves estimating the number of crops that will be produced in a given area based on various factors such as soil type, weather conditions, and crop management practices.

6	TREAT TABLE – FOOD SUPPLY CHAIN MANAGEMENT	Artificial Intelligence	Irsath ahammed A Jeffin James I (intern-hp) Jerrin J Kishore Venkatesh S	Mrs. C. Sathya M.E.,	Effective food supply chain management aims to optimize efficiency, reduce waste, enhance traceability, and ensure the availability of safe and high-quality food products for consumers.
7	AI BASED FARMER'S ASSISTACE CHATBOT	Artificial Intelligence	Gopika VS Jalathijaa B Harinee A Jayasri E	Dr. Sathees Babu S M.E., Ph.D.,	Chatbots provide farmers with instantaneous access to critical information on pest-related issues. This real-time decision support is invaluable when swift action is required to mitigate potential crop damage.
8	RANSOMGUARD - PROACTIVE RANSOMWARE DETECTION AND MITIGATION TOOL	Cyber Security	Harish Kannan P Harish Raj B Kishore Kumar S Hariharan J	Dr. M. Buvana, M.E., Ph.D.,	Ransomware is a type of malicious software (malware) that threatens to publish or blocks access to data or a computer system, usually by encrypting it, until the victim pays a ransom fee to the attacker.
9	SKIN DERMATOLOGY USING DEEP LEARNING	Deep learning	Hemanth Tharun A Hari Karthy K Jero Ragland S Pradeep M	Ms.S.Aurthy Felicita, M.E.	conducted a systematic review of 64 non-cancer-related deep learning models for diagnosis and monitoring of 144 different skin diseases ⁷ . Of these, the most common skin diseases were acne (30), psoriasis (27), eczema (22), rosacea (12), vitiligo (12), and urticaria (8).
10	VIRTUAL MOUSE USING HAND GESTURE AND VOICE TYPING KEYBOARD	Human Computer Interaction AI &NLP	Logasundar A Vishnu Priyan N Karthigeyan K	Mrs.S.Aurthy Felicita, M.E.	Gesture Controlled Virtual Mouse makes human computer interaction simple by making use of Hand Gestures and Voice Commands.
11	AI BASED EYE TRACKING USING DEEP LEARNING WITH INTERNET OF THINGS	Artificial Intelligence	Joel Steve Santaroy Thariq Al Azeez N (D sec) Kasiviswanathan G (C sec)	Mr. V. Karuppuchamy, M.E.,	

12	AN EFFECTIVE DUAL SELF-ATTENTION RESIDUAL NETWORK FOR SEIZURE PREDICTION	Networks	Kalaiselvi T Kavipriya RS Krupashini S Karthikeyan RK Kishore kanna M	Dr. A. Sathya Sofia, ME., Ph.D.,	Devices have been developed that place electrodes over the brain to constantly measure the brain's electrical activity. The electrodes can record changes in electrical activity before a seizure starts. The potential to predict seizures at this time, based on these EEG changes, is exciting!
13	SEWN - Empowering Deaf and Dumb Students: Skill Enhancement and Workforce Navigation	Artificial Intelligence	Kathirvel S Gokulkumar B	Mrs. V. Priya M.E.,	The four basic language skills are listening skills, writing skills, speaking skills and reading skills. These language skills are conversation abilities that allow you to express yourself clearly and precisely. With these fundamental language skills, you not only learn to speak well but also to listen carefully.
14	VIRTUALCLASSROOM ATTENDANCE MONITORING SYSTEM	Artificial Intelligence	Gowri M Kavishree L Kaviya Sri M Keerthy S	Mrs. T. Deepa, M.E.,	The attendance monitoring system is a computerized software that uses special biometric or RFID devices to capture attendance data accurately including arrival time, duration of absence from section, and leaves.
15	IoT ENABLED FACE RECOGNITION MODEL FOR ATTENDANCE AND FEE MANAGEMENT SYSTEM FOR COLLEGE BUS	IOT	Harini R Jeeva prema M Jeya surani S T Kiruthika V	Mrs. S. Naganandhini, M.E.,	Face recognition based smart attendance system using IoT is a tool for recognizing the students face. while taking attendance by using face biometrics based on monitor camera image capturing. In our
16	AN AUTOMATED VEGETABLE QUALITY IDENTIFICATION SYSTEM USING IOT	IOT	Jegadeeswara Pandian V Ilakkian L Hari Haran M Jeyakarthick S G	Mrs.S.T. shenbagavalli, M.E.,	With smart image recognition technology. System employs tiny sensors and cameras installed in refrigerator to continuously monitor that the freshness of fruits and vegetables.

17	AGROMIND-ENHANCED FARMING THROUGH MACHINE LEARNING	Machine learning	Ekhesh Ram P K Arun Pandi S Abishek S Athipan J	Dr.A.Thomas Paul Roy, M.E.,Ph.D.	Machine learning in agriculture allows farmers to use lavish amounts of data about climate change, crop and soil conditions, and other environmental variables to make informed decisions about plant and animal treatment.
18	IoT BASED EARLY HEART FAILURE PREDICTION SYSTEM	IOT	Ayushi A Devisriramasuruthi G Dharshini R M Divya Darshini V	Mrs.S.Santhana Prabha, M.E.	This system proposes an enhanced deep learning-based framework for predicting the heart disease. The general publicly available Hungarian heart disease dataset is utilized for the implementation, which includes heart disease related data collected from patients through IOT sensor devices.
19	AN INTELLIGENT FAKE NEWS DETECTION SYSTEM USING MACHINE LEARNING	Machine learning	Anushka Shakthi A Dharnika K M Florence Jovita J Dharshini K	Dr.K.Dhanalakshmi, M.E.,Ph.D.	Machine learning algorithms can find patterns that are frequently present in networks of fake news by examining the network of accounts that are disseminating the news.
20	PUBLIC OUTREACH NAVIGATOR: A CHATBOT GUIDE TO ELIGIBILITY,ENGAGEMENT AND EMPOWERMENT	Mobile app development	Birundha M Amala Monika S Abirami G Nathiya K	Ms.P.Anitha Christy Angeline, M.E	The studies suggest promise in the application of chatbots, especially to easily automated and repetitive tasks, but overall, the evidence for the efficacy of chatbots for prevention and intervention across all domains is limited at present.
21	IT'S MY FOOD - FOOD RECOGNITION AND CALORIE ESTIMATION USING IMAGE PROCESSING	Image processing	Akshay V Akkash Venkat P Chandru K Santhosh Kumar S	Dr.S.Pushpalatha M.E.,Ph.D.	Food recognition and calorie estimation using image processing is a technology that can identify food items and estimate their calorie content from images. This technology can be used to help people make healthier choices, manage their weight, and prevent chronic diseases.

22	RITZ DINING - RESTAURANT TABLE RESERVATION SYSTEM	App development	Balaji N Faaiz Meeraan A Gokul B Paarthasarathi K	Dr.D.M.D.Preethi, M.E.,Ph.D.,	Restaurant reservations are an arrangement guests make in advance to confirm a table for their party at a specified time.
23	NBH (NUTRITIOUS BALANCED AND HEALTHY) AN AI ENHANCED FITNESS ANALYSER	Artificial Intelligence	Abitha V Akshaya P Dhansara S Dharanginee K R	Ms.N.Indumathi, M.E.,	The project aims to help people maintain a balanced diet and make healthy eating choices in a cost-effective manner without needing to consult personal trainers or dietitians. It has the potential to scale and benefit users of all ages and medical conditions.
24	IoT ENABLED RIVER SURFACE CLEANING WATER BOAT	IOT	Archana M Arthima P Gayathri R R Lakshmi Priyanka R	Dr.M.S.Thanabal, M.E.,Ph.D.	The river surface cleaning water boat is one such system. This systematic method can remove the waste debris from water bodies with comparatively less human interference
25	CHATWELFARE - SCHEMES FOR PHYSICALLY CHALLENGED PERSONS	Artificial Intelligence	Ashwin P S Buvaneshwaran R Abinanth J Arun Pandiyan E	Dr.D.Shanthi, M.E.,Ph.D.	
26	SMART SEATING - AI STRATEGIES FOR DYNAMIC EXAM HALL LAYOUTS	Artificial Intelligence	Aravinda Rajan P Ajith Kumar B Alan B Ashok Kumar R K	Dr.M.Buvana, M.E.,Ph.D.,	This arrangement can be especially advantageous when students will work in groups or pairs with their classmates for a large portion of class time. More generally, this arrangement communicates a learning community where students are expected to work with one another.
27	LEGAL LENS - MULTILINGUAL LEGAL AI CHATBOT	Artificial Intelligence	Dhivya Prakaash S M Gokul S Alexpandi P Aphishek R	Dr.J.Benedict Raja, M.E,Ph.D.	law firms can use to automate documents, conduct legal research, and brainstorm ideas. This functionality enables LawDroid users to scale their processes and operate more efficiently.

28	HARVEST HUB: IOT DRIVEN AGRI ASSISTANCE	IOT	Dinesh J P Dineshkarthikeyan S Diwakar Vengatesh B Gokulakannan K	Mr.V.Nanda Kumar M.E.	he ADIP Scheme is in operation since 1981 with the main objective to assist the needy disabled persons in procuring durable, sophisticated and scientifically manufactured, modern, standard aids and appliances that can promote their physical, social and psychological rehabilitation by reducing the effects
29	PSNATAPC CONNECT - PLACEMENT AND TRAINING APPLICATION	App development	Barathkumar S Fariz F Arunesh J Arun S	Dr.Y.Arockia Raj, M.E.,Ph.D.,	They strongly focused on trainees like myself, understanding our strengths and weaknesses and working on them to get the best results.
30	URBAN ILLUMINANCE (UNVEILING STREET LIGHT ANOMALIES)	App development	Asmath Banu S Charumathi N Chinthamani M Sahithya R	Dr.M.S.Thanabal, M.E.,Ph.D.	Urban lighting can help open up outdoor spaces after dark, supporting people's wellbeing and making urban areas more liveable.
31	IOT ENABLED HELMET FOR ENSURING RIDER SAFETY	IOT	Ajeeth kumar P Abi Nandhan A.A Arul Anbarasan A Christofer J	Mrs.S.Naganandhini, M.E.,	The helmet prioritizes rider safety by integrating various sensors for precise accident detection and alcohol level measurement.
32	APP FOR AGRI PRACTICES AND CROP SUGGESTION	Artificial Intelligence	Varsha S Lakshmi Priya S Gayathri B Sujitha S	Dr. N. Uma maheswari, M.E., Ph.D.	AI-enabled systems make weather predictions, monitor agricultural sustainability, and assess farms for the presence of diseases or pests and undernourished plants using data like temperature, precipitation, wind speed, and sun radiation in conjunction with photographs taken by satellites and drones.

33	AYURZEN-NURTURING MENTAL HEALTH THROUGH AYURVEDIC CHATBOT	IOT	Shyamala Devi A Yuvasri A Swetha A Jasline Jovita B	Dr. D. Shanthi, M.E., Ph.D.	Mental health chatbots provide self-assessment and guidelines for helping people overcome depression, stress, anxiety, sleep issues, etc.
34	ALUNEXUS: ALUMNI MANAGEMENT SYSTEM FOR EDUCATIONAL INSTITUTIONS	Networks	Shanmuga Priya A.P.P Sethu Meenakshi V Shreenithi.A Sneha.V	Dr. A. Thomas Paul Roy, M.E., Ph.D.,	Put simply, an alumni management system is an online system to organise your alumni data and boost your alumni engagement efforts, by using software designed to power networking between your community and your organisation.
35	"VISUAL FIRE DETECTION IN FOREST"	Neural Networks	Yogeshwaran S Vignesh S Shyamkrishna S Subash Karthik G	Dr.S.Satheesbabu, M.E., Ph.D.,	It can detect various gases, including fire gases such as hydrogen, carbon monoxide, and most hydrocarbons.
36	Techilarvest-Growing Smarter with Digital Era for Sustainable Agriculture	Machine learning	Sowmiya T Shuruthi R Shri sreshtha P Preethi shree B	Dr. A. Sathya Sofia, ME., Ph.D.,	Precision agriculture: Precision agriculture uses technology like GPS, sensors, and drones to monitor crops, soil, and weather conditions. This helps farmers optimize the use of resources, minimize waste, and reduce the environmental impact of agriculture.
37	"DEEP-SEA FISHERMEN TRACKING AND MONITORING SYSTEM"	Networks	Thayaharan Kanishkar A Selva ganesh Saravanan KU	Mr.V.NANDA KUMAR M.E.	Tracking and monitoring systems play a crucial role in enhancing the safety and security of fishermen by enabling rapid response to distress signals, monitoring vessel movements to prevent collisions, and facilitating search and rescue operations.

38	CHATBOT - LEGAL AWARENESS FOR MARGINAL COMMUNITY	Artificial Intelligence	Shakina R Sowmiya P Sushmaa Shree S Steffi A	Dr. D.M.D.PREETHI M.E., Ph.D.,	By providing timely and accurate legal information, guiding users through legal processes, and connecting them with relevant resources and services, the chatbot has the potential to empower marginalized communities to assert their rights, address injustices, and seek redress for grievances.
39	CAREER GUIDANCE APP FOR STUDENTS - AI ASSISTED	App development	Srinithi S Swarna B Veera Renuga Devi M Sivaranjani P	Mrs. M. JAYANTHI,M.E..	AI tools assess individual profiles, including educational background, skills, interests, and work experience, to suggest personalized career pathways. This approach contrasts with the one-size-fits-all advice often found in traditional career counseling.
40	CAREER QUEST : A CAREER GUIDANCE APP	App development	Vashanth T S Velan C Vishnuprasad LG Satheesh P	Dr. S. SHEIK FARITHA BEGUM	To provide opportunities for the players to identify, understand, learn and as far as possible practice skills such as reflection, research, experimentation, negotiation and so on needed to make informed career choices.
41	ARANYANI THE ENVIRONMENTAL SUSTAINABILITY SUIT	Artificial Intelligence	Vasanth S Viswa R Srithar S Yuvan karthikeyan S	MR. K. SURESH, M.E.	At the heart of Aranyani lies a simple yet powerful commitment: 'evolving into a responsible luxury brand through exquisite craftsmanship and sustainability'. We are India's first luxury handbag brand and our name, "Aranyani", meaning "goddess of the forest", reflects our deep-rooted respect for mother nature
42	Face and Obstacle Detection System for Visually Impaired	Artificial Intelligence	Saran Balaji. R Udhaya Vignesh.P Vel Murugan.M Shashvath.M	Mrs. V. PRIYA M.E.	A white cane is developed which can communicate with the blind person through buzzer beep and vibration signals. Ultrasonic sensors are majorly used for detecting the barriers.

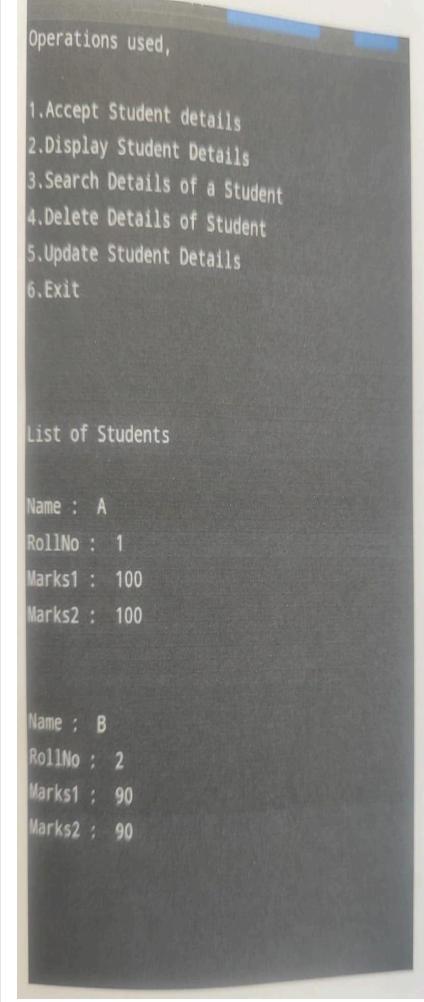
43	CRAFTERS CORNER - ARTISAN AVENUE	Web App	Viswanath BV Vikaz M S Surya kumar B Shaik Bahir Akram	Dr. N. DHANALAKSHMI, M.E, Ph.D.	The Craft Corner provides hobbyists and professional crafters alike with the opportunity to market their handcrafted products (no mass produced items, please).
44	THITTAVAZHIKATTI: GUIDANCE CHATBOT FOR MEDICAL AND EDUCATIONAL SCHEMES	Networks	Vetri Pravin kumar S Suresh Kumar N Syed Abuthahir A Thanneermalai C T	Mrs. G. MARIAMMAL M.E.	One of the best chatbots in healthcare is Healthy, which offers a range of functionalities. It has a symptom checker that can be used to assess your symptoms and get a medical diagnosis
45	EFFICIENT CHARGING STATION RESERVATION MODEL FOR ELECTRIC VEHICLE	Artificial Intelligence	Srikanth.S Sivakumar M Santhosh Kumar k Santhosh Kumar S	Ms. N. PADMA PRIYA M.E.,	The EV charging slot booking system is a convenient and efficient way to manage the limited resources of charging stations. It allows electric vehicle owners to reserve a charging slot in advance, reducing congestion and waiting times at the stations.
46	ADAPTIVE VIDEO PLAYBACK SYSTEM	web app Development	Surya K Surya Prasad BM Lokeshwaran B Varshan R	Mrs. P. ANITHA CHRISTY ANGELIN, ME,	Adaptive video playback, also known as adaptive bitrate streaming (ABR), is a video streaming technique that adjusts the quality of a video in real time based on the viewer's device and network conditions.
47	AI FOR SOIL FERTILITY PREDICTION	Artificial Intelligence	Akash M Dinesh T Aruna siva N Devadharshin rajan	Dr.Y.AROCKIA RAJ, M.E., Ph.D.	The developed model reliably predicts the relative soil fertility of a given soil using its various physiochemical properties, and explain the reasons behind the model's soil fertility indicator prediction using user friendly graphs.
48	SOCIAL WELFARE NAVIGATOR:A CHATBOT GUIDE TO ELIGIBILITY, ENGAGEMENT AND EMPOWERMENT	Networks	Mohamed Nazeem R Sankareswaran K Mugunthan M Nithin Kumar A	Dr.S.SHEIK FARITHA BEGHUM M.TECH., Ph.D.,	AI chatbots are chatbots that employ a variety of AI technologies, from machine learning—comprised of algorithms, features, and data sets—that optimize responses over time, to natural language processing

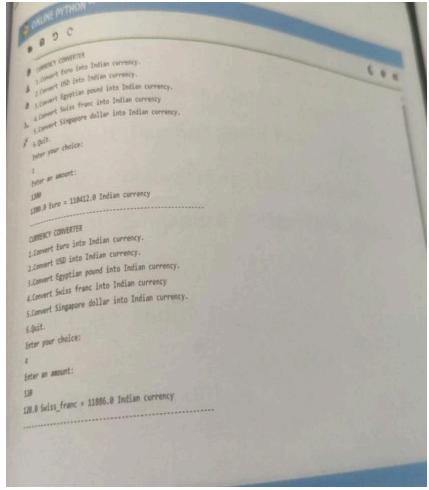
					(NLP) and natural language understanding (NLU)
49	ACADEMIC PERFORMANCE ANALYSIS	IOT	Sanjay Kannaa V Sajith Roshan K Vinoth Kumar M Nidhish Kanna R	Mr.M.KAMARAJAN	They are cumulative and often reveal what students have learned at the end of a unit or the end of a course.
50	EMPOWERING TAMILNADU: CENTRALIZED GRIEVANCE REDRESS AND MONITORING SYSTEM	Network security	Pijo R Prabhu V Mathan S Mariselvam V	R.GAYATHRI,M.E., Ph.D.,	Centralised Public Grievance Redress and Monitoring System (CPGRAMS) is an online platform available to the citizens 24x7 to lodge their grievances to the public authorities on any subject related to service delivery
51	REPUTRACK - Sentiment Analysis Of Social Media Content To Manage Online reputation	Networks	Muhammad Naveedh A Mahendren K Mahadevan P Maniraj K	Dr. S. PUSHPALATHA M.E., Ph.D.,	Sentiment analysis delves into the spectrum of emotions expressed by your customers through their comments and reviews.
52	MEDICINAL PLANT IDENTIFICATION AND SUPPLY CHAIN	Block chain	Pradeep S Sairaj R Sakthivel S Paul Meshach S	Dr.D.SURESH M.E., Ph.D.,	The medicinal plant value chain also included the secondary actors which are the industries that use the medicinal plants and their extracts as their input materials and then the value added to them through the processes operated on them through which the end products are obtained.
53	GAMIFIED LEARNING APPLICATION	Machine learning	Madhesh G Mahendraboopathi B Mathisankar R Nithish Kumar M	Mrs.M.JAYANTHI, ME.,	Gamification in education is the practice of incorporating game elements into teaching and learning such as points, badges, progress tracking, rewards, leaderboards, and more

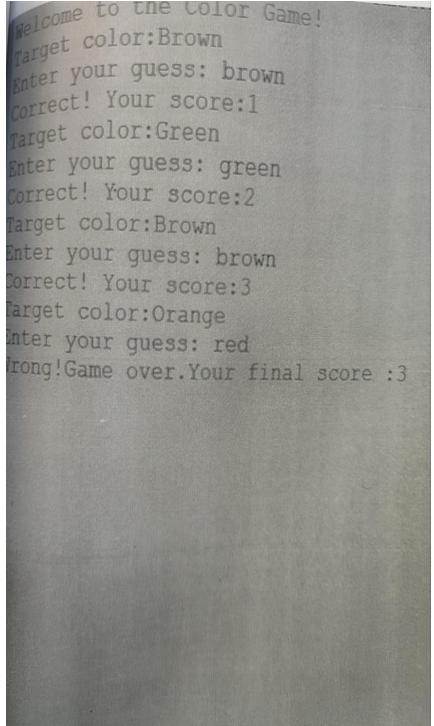
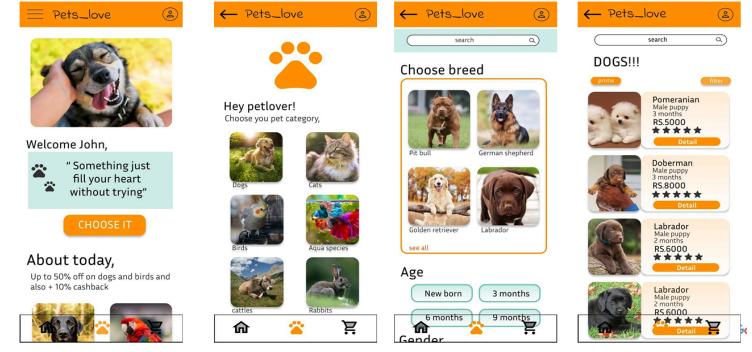
54	PLANT INFESTATION SOLUTION	Machine learning	Logeshwaran R P Madhavan J Ram Kishore K Nishanth N	Mrs.G.MARIAMMAL, M.E.,	Remove infested leaves, and spray them off the plant with water before spraying with insecticidal soap. Repeat the process once per week until they disappear.
55	RESILENT IOT BASED DETECTION SYSTEM FOR OIL AND GAS INDUSTRY	IOT	Madesh R NaveenKrishna N Ragupathi K Janakiraman K	Mrs.S.T.SHENBA GAVALLI AP/CSE	Businesses leverage IoT for the oil and gas industry to improve asset tracking, cost optimization, environmental monitoring, and energy management.
56	CNN BASED AUTOMATIC DEPRESSION DETECTION USING VOCAL EXPRESSION	Networks	Ragavi K Poornakala M Shanmathi K	Mr.M.KAMARAJAN	The acoustic characteristics of the predefined text-based sentence reading automatically detected depression using the proposed CNN model.
57	STUDENT LAB LOG MANAGEMENT SYSTEM	App development	Maria Princy J N Marshinel Simona J	Mr.V.KARUPPUC HAMY, M.E.,Ph.D.,	Log management is a continuous process of centrally collecting, parsing, storing, analyzing, and disposing of data to provide actionable insights for supporting troubleshooting, performance enhancement, or security monitoring.
58	BLOCKSAFE BANKING - Enhancing Financial Security Through Blockchain and Three Stage Verification	BLOCK CHAIN TECHNOLOGY	Pradeep Kumar B Prasannasabari V Surender E Rajendran p	Dr.S.PUSHPALATHA M.E., Ph.D.	The digital transformation of the banking sector has ushered in an era of seamless transactions and personalised services.
59	PRISONERS REHABILITATION APPLICATION	App Development	Mahitha K Nithya Shree R Madhubala PR Priya dharshini A M	Dr.D.SURESH M.E., Ph.D.,	To apply for criminal rehabilitation, you must meet eligibility requirements based on your conviction, sentence completion time, and reason for rehabilitation

60	CHRONIC KIDNEY DISEASE DETECTION	IOT	Naveen Kumar S Naveen Andrews A Sai prasath S Mathu Suthanan R	Mrs.T.DEEPA,M.E.	Chronic kidney disease (CKD) is usually detected through blood and urine tests, or as an incidental finding.
61	CHATBOT FOR MENTAL HEALTH FOLLOW UP AND DEPRESSION ANALYSIS	IOT	Madhumitha S Malathy T Mega A Prathiga P	MRS.C.SATHYA , M.E	chatbot designed for mental health follow-up and depression analysis would typically utilize AI to engage in conversations with users, asking questions related to their mood, symptoms, and daily activities, to assess their current depression levels and provide supportive feedback, often drawing from evidence-based techniques
62	CYSTIC FIBROSIS PREDICTION USING DEEP LEARNING	IOT	Neha G Steffi Ignatius S Madhumithaa M Mahima S	MS.L.DHARSHANA DEEPTHI , M.E	The combination of artificial intelligence (AI) and deep learning with CT imaging predicts significant advances in CF detection.

Sl.N o	Course Name	Title of the project	Link (Sample)	
1	Artificial Intelligence and Machine Learning			

2	Problem Solving and Python Programming	Develop an application of Student Management Program using Python	<p>A student management program is a comprehensive software solution designed to streamline various aspects of student administration within educational institutions. One primary application is the automation of student enrollment and registration processes, reducing manual paperwork and minimizing errors.</p>	 <pre> Operations used, 1.Accept Student details 2.Display Student Details 3.Search Details of a Student 4.Delete Details of Student 5.Update Student Details 6.Exit List of Students Name : A RollNo : 1 Marks1 : 100 Marks2 : 100 Name : B RollNo : 2 Marks1 : 90 Marks2 : 90 </pre>
		Develop an application of Inventory flow in Python		

		<p>Develop a calculator application using tkinter</p> <p>Develop a simple calculator application using the Tkinter library in Python. Tkinter provides a set of tools for creating graphical user interfaces, making it suitable for building applications with buttons, entry fields, and other GUI elements. The calculator will support basic arithmetic operations such as addition, subtraction, multiplication, and division.</p>	<p>Testcases:</p> <table border="1"> <thead> <tr> <th>Test cases</th><th>Input</th><th>Output</th></tr> </thead> <tbody> <tr> <td>1</td><td>7 8 9 / 4 5 6 * 1 2 3 - 0 = + Clear</td><td>7 8 9 / 4 5 6 * 1 2 3 - 0 = + Clear</td></tr> <tr> <td>2</td><td>7 8 9 / 4 5 6 * 1 2 3 - 0 = + Clear</td><td>0 7 8 9 / 4 5 6 * 1 2 3 - 0 = + Clear</td></tr> <tr> <td>3</td><td>7 8 9 / 4 5 6 * 1 2 3 - 0 = + Clear</td><td>7 8 9 / 4 5 6 * 1 2 3 - 0 = + Clear</td></tr> <tr> <td>4</td><td></td><td></td></tr> </tbody> </table>	Test cases	Input	Output	1	7 8 9 / 4 5 6 * 1 2 3 - 0 = + Clear	7 8 9 / 4 5 6 * 1 2 3 - 0 = + Clear	2	7 8 9 / 4 5 6 * 1 2 3 - 0 = + Clear	0 7 8 9 / 4 5 6 * 1 2 3 - 0 = + Clear	3	7 8 9 / 4 5 6 * 1 2 3 - 0 = + Clear	7 8 9 / 4 5 6 * 1 2 3 - 0 = + Clear	4		
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		<p>Develop an application of Digital Clock using Python</p> <p>Digital clock is an alternative to a traditional analogue clock. This can be in both 12 and 24-hour formats. The internal clock of the device is powered by a battery, and an oscillator generates a series of electrical pulses that are used to keep time. They are often called as electronic clocks. In python, we can create a digital clock by using Tkinter. The code starts by importing necessary Modules.</p>																
		<p>Develop an application of currency converter using Python</p> <p>Currency conversion is the process that uses us to facilitates transactions where the issuer and acquirer use different currencies by exchanging one type of currency to another. Currency conversion typically results in some added casts for the customer. Dynamic currency conversion allows the customer to see the transactions amount in their own currency with additional costs included but also result in a higher total cost than traditional currency Conversion.</p>																

		Develop an application of Color game using Python	Creating a colour game application in a can be an exciting project. Begin by Python defining the game's purpose, whether it's testing reflexes, enhancing memory, or simply providing entertainment. Next, Outline key features such as color recognition, user interaction and scoring mechanisms consider using graphical Interface libraries like Tkinter for the and random module for generating colors. Lastly emphasize user experience through Intuitive design and engaging gameplay. The basic structure can be expanded upon by adding Scoring, and more interactive features based on your game's requirements. Adjust the game logic with in the functions according to your specific goals. This code defines colourframe class with methods for starting the game and checking the user's guess. The score will be updated accordingly.	
3	Programming in C			
4	Object Oriented Programming			
5	UI/UX Design	Pet Shopping App	The app helps pet lovers to buy pets and also pet supplies for their comfortable zone. The provides a details views about the pets and helps the user to buy pets easily.	

Faculty acted as Nalaiyathiran Mentors and Evaluators:

Faculty Mentor Details

S.No	Name of the Institution	Faculty Name	Designation	Department	E-mail id	Mobile Number	Total Teams Assigned	Total Students Assigned
1.	PSNACET	Dr.N.Uma Maheswari	Professor	CSE	numamahi@psnacet.edu.in	9443833045	7	28
2.	PSNACET	Dr.S.Pushpalatha	Professor	CSE	pushpalatha@psnacet.edu.in	9080147312	8	32

3.	PSNACET	Dr.A.Thomas Paul Roy	Professor	CSE	athomaspaulroy@psnacet.edu.in	8072925912	7	28
4.	PSNACET	Dr.K.Manivannan	Professor	CSE	manivannan@psnacet.edu.in	9047856355	7	28
5.	PSNACET	Dr.J.Benadictraja	Associate Professor	CSE	jesuraj.benadict@psnacet.edu.in	9442292626	8	33
6.	PSNACET	Dr.M.Buvana	Associate Professor	CSE	buvana@psnacet.edu.in	9894487879	8	33
7.	PSNACET	Dr.Y.Arockia Raj	Assistant Professor	CSE	y.arockiaraj@psnacet.edu.in	9994859425	7	28
8.	PSNACET	Sheik Faritha Begum	Assistant Professor	CSE	Sfaritha@psnacet.edu.in	9976954189	7	28

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2	98710368	Hariprasath S	hariprasaths21cs@psnacet.edu.in	3rd Year A Section	404NOTFOUND (CONFIRMED)
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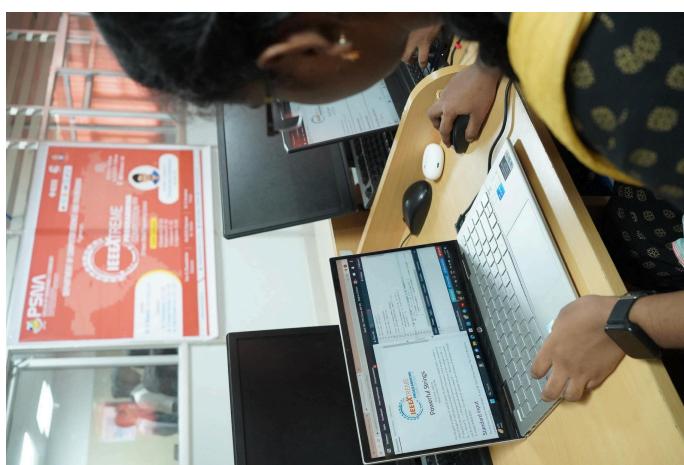
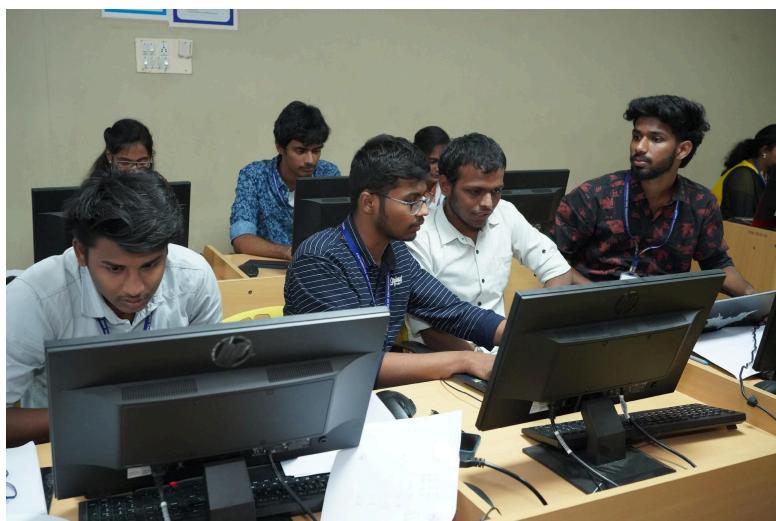
3	98666737	Abinaya Parameswari	abinayaparameswaribs21cs@psnacet.edu.in	3rd Year A Section	TechConnectors (CONFIRMED)
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Intra Department Smart India Hackathon 2023

The "Intra Department Smart India Hackathon" for CSE students is scheduled on 07.09.2023.



The banner features the following elements:

- Logos:** PSNA College of Engineering and Technology, Institution's Innovation Council, NAAC A++ Accredited, NBAR PGDM Accredited, AICTE Approved, and IQAC.
- Emblems:** PSNA CET crest and a brain icon.
- Title:** INTRA DEPARTMENT SmartIndia Hackathon 2023.
- Conducted by:** Department of Computer Science and Engineering.
- Date and Time:** SEPTEMBER 07, 2023, 9:00 AM - 4:30 PM.
- Venue:** CSE Meeting Hall, PSNA CET, Dindigul.
- QR Code:** For registration.
- Last Date for Registration:** 06-09-2023.
- Coordinators:**
 - SIH 2023 Coordinators:** Dr.K.Dhanalakshmi (Prof. CSE) and Dr.S.Shek Faritha Begum (Asst. Prof. CSE).
 - SIH 2023 Coordinators:** Dr.D.Shanthi (Prof. & Head, Department of CSE, PSNA CET, Dindigul).
 - SIH 2023 SPOC:** Dr.R.Pushpalakshhmi (Professor & Head I/C, Dept. of CSE (Cyber Security), PSNA CET, Dindigul).
- Key Personnel:** Tmt.K.Dhanalakshmi (Chairperson), Rtn.R.S.K.Raguraam (Pro-Chairman), and Dr.D.Vasudevan (Principal).
- Sponsors:** Keysight Technologies, Texas Instruments, LabVIEW, Robotic Technologies, Tessolve, and Ecap.

About the event:

The Department of Computer Science and Engineering has conducted the Intra Department Smart India Hackathon 2023 at CSE Meeting Hall on 07.09.2023 from 09.30am to 04.30pm. The hackathon was open to students of all the years. Totally 11 teams have presented their ideas and approaches for the problem statements given by Central Ministries and State Governments. Out of 11 Teams, 10 teams have demonstrated in Software domain and One team in Hardware domain .The ideas were covered different themes like Smart Automation, Med Tech/Bio Tech, Smart Education, Heritage and Culture and Disaster Management. Experts from different domains were acted as panel members and selected 6 teams. Top 5 ranked teams have been nominated to participate in Internal Hackathon which will be conducted by PSNCET. During the selection process juries, have given their valuable suggestions for implementation.

For the selection process, the following parameters have taken into consideration:

- Solution Approach
- Relevance to the problem statement
- Impact factor
- Innovation attributes
- Advanced features
- Communication

Participating Team Details:

Team No	Team Name	Team Leader	Ministry	P-ID	PROBLEM STATEMENT
1	CODE-O-SAPI ENS	ATHESHWARAN K	Ministry of AYUSH	SIH1346	Chatbot to Known Individual Prakriti
2	VERITAS SENTINELS	KASINATHAN SJ	Bajaj FinServ Health Ltd.	SIH1441	Similar Document Template Matching
3	COBRA TECH	SYED SAFRAJ A	Ministry of Home Affairs	SIH1440	An application under which all rescue agencies are registered and which can display the location of other rescue relief agencies during natural/ man made calamities
4	CLUELESS CODERS	ANANDHA SAMYUKTHA S	Ministry of Ayush	SIH1345	Startup AYUSH Portal
5	INFOBLEND	JAI SURYA P	MINISTRY OF INFORMATION	SIH1329	360 - DEGREE FEEDBACK SOFTWARE FOR THE GOVERNMENT OF

			AND BROADCASTING		INDIA RELATED NEWS STORIES IN REGIONAL MEDIA USING ARTIFICIAL INTELLIGENCE / MACHINE LEARNING.
6	TECH TINKERERS	CHITHRAN V	Ministry of Jal Shakti	SIH1426	Technological solutions for safe disposal of menstrual waste
7	INVICTUS	HARIKRASATH. S	Government of Jammu and Kashmir	SIH1355	Developing solutions to effective market linkage and promotion of One District One Product
8	CELESTIAL INTERFACE	STAN ABISHEK A	Ministry of AYUSH	SIH1340	Application for Assessment of Quality of Textbook/Reference Books/E-Book
9	TECH-SAVVY	SAHANA PRIYADHARSHINE TSS	Ministry of Micro, Small and Medium Enterprises	SIH1397	Development of business models for the collection and utilization of single-use plastics and various other industrial wastes
10	PEGASUS	VIJAYALAKSHMI B	Ministry of Commerce and Industries	SIH1384	Developing an interactive gaming software / mobile application on Intellectual Property Awareness for school students
11	GNANAL	SHERWIN JEYANTH ROY I	Ministry of Social Justice and Empowerment	SIH1307	Computerized cognitive Retraining Program for Home training of Children with Disabilities

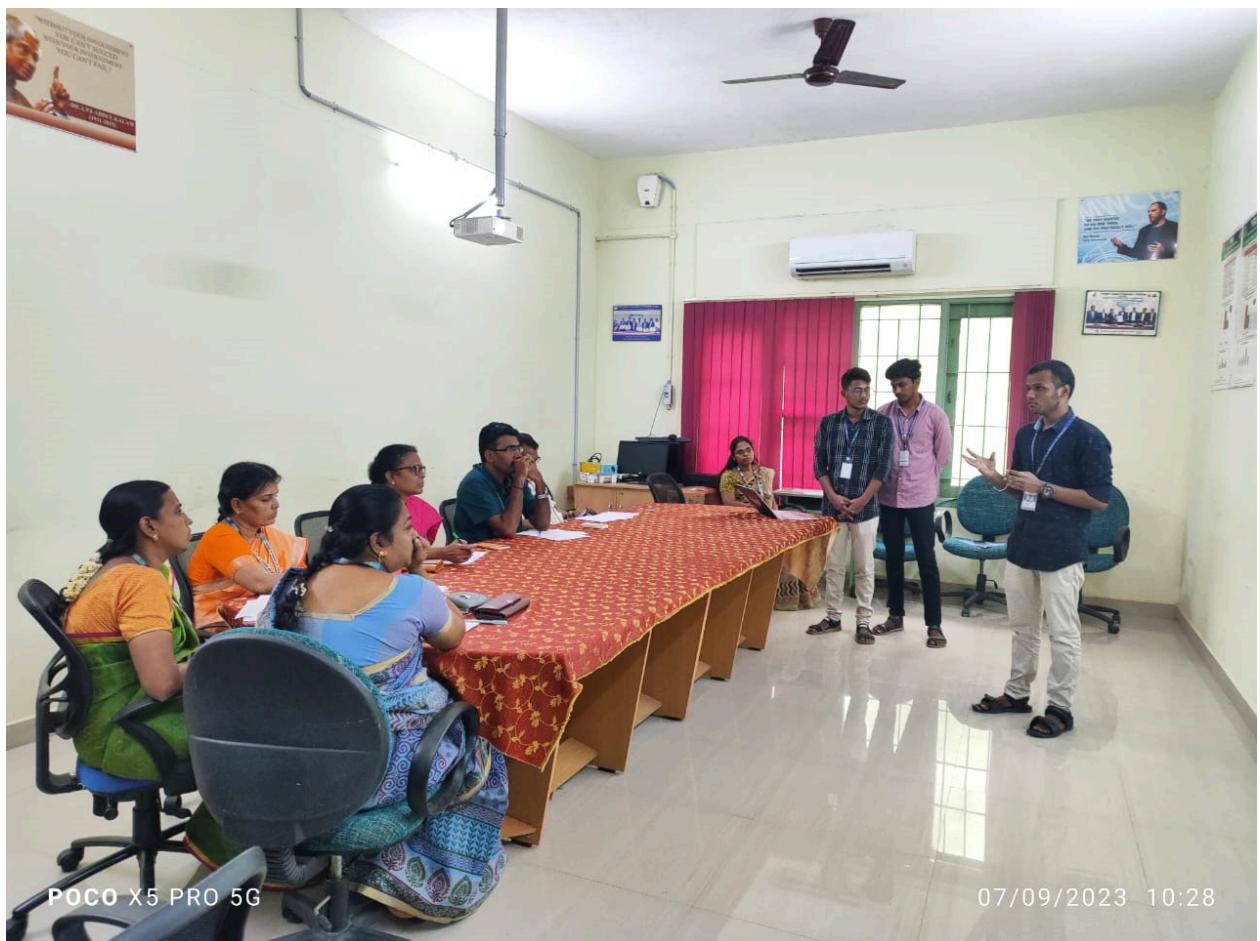
Team -1



POCO X5 PRO 5G

07/09/2023 09:51

Team -2



Team -3



Team -4



POCO X5 PRO 5G

07/09/2023 11:14

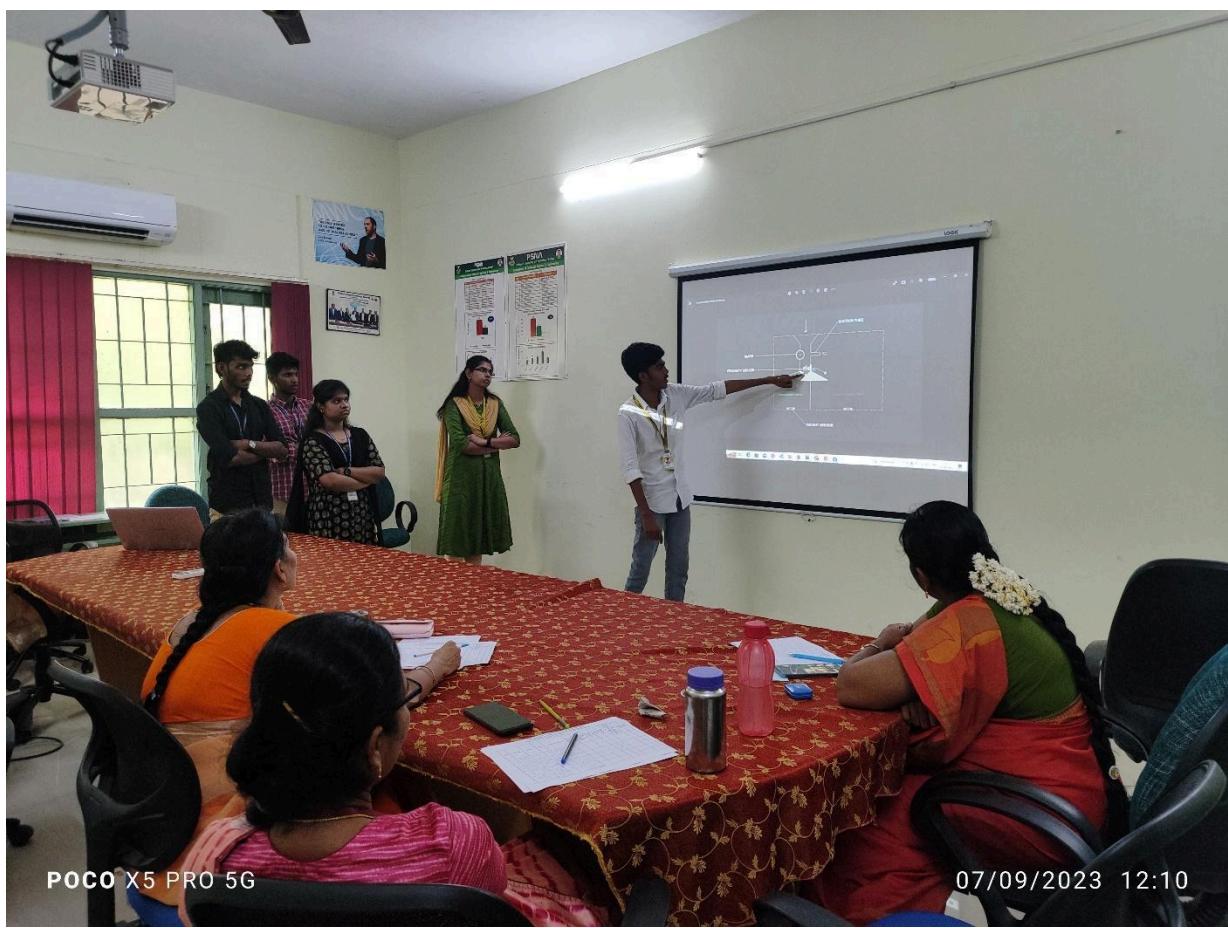
Team -5



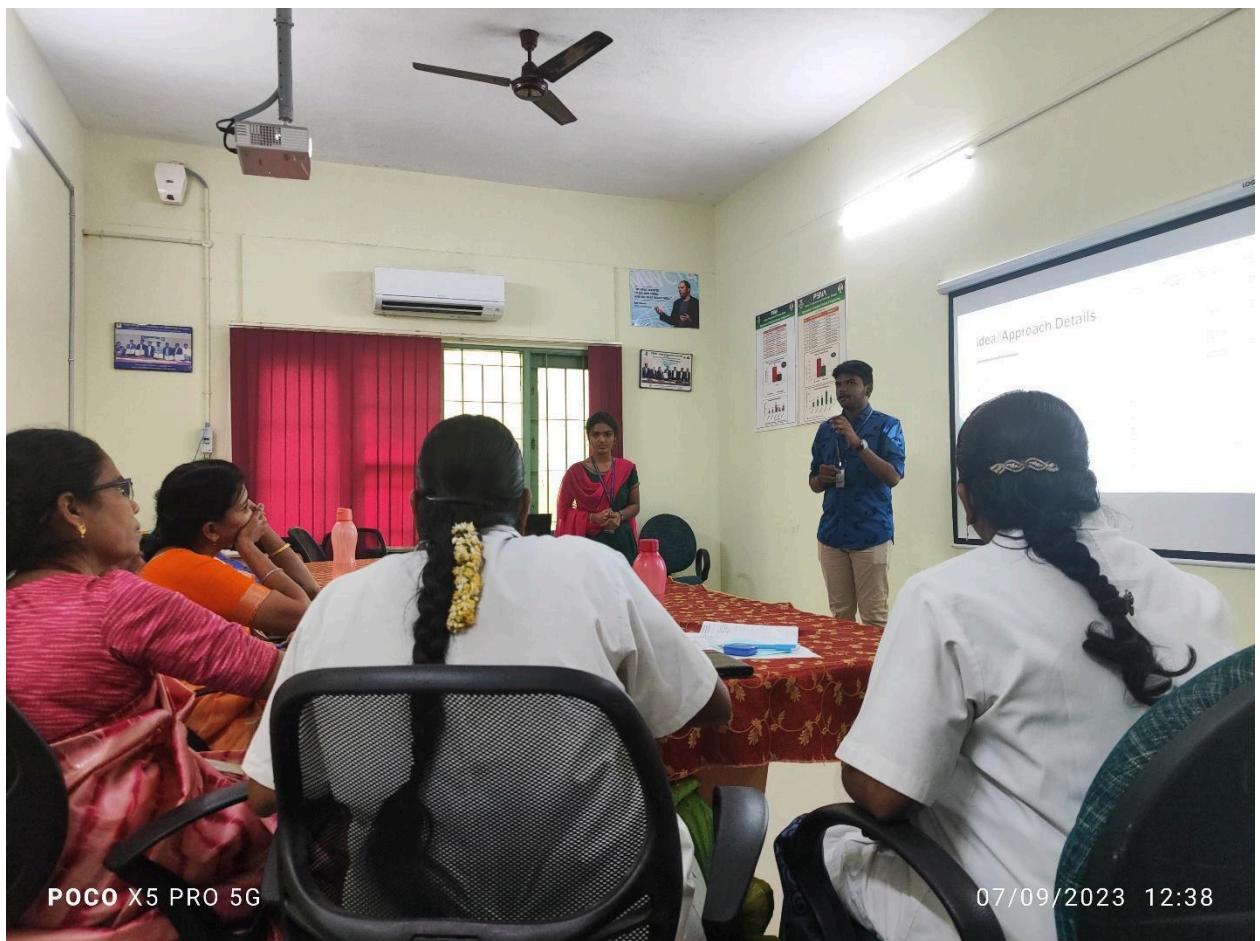
POCO X5 PRO 5G

07/09/2023 11:34

Team -6



Team -7



Team -8



POCO X5 PRO 5G

07/09/2023 13:04

Team -9



Team -10



Team -11



Poster Presentation

 **PSNA**
COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution)
AICTE | Anna University | NBA | NAAC A+


DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
&
PSNA-IIC Cell
Organize
IIC Calendar Activity
on
Poster Presentation of Innovative Ideas 

Date : 26.03.2024 and 27.03.2024 Venue : IoT Laboratory

Convener Dr. D.Shanthi Prof. & Head / CSE	Coordinators Dr. S.Pushpalatha, Prof./CSE Mrs. S.T.Shenbagavalli, AP/CSE Mrs. M.Jayanthi, AP/CSE Ms. N.Indumathi, AP/CSE	Student Coordinators R. Vishal - II CSE G. Yuvarashwan - II CSE S. Anandha Samyuktha - III CSE B.S. Abinaya Parameswari - III CSE
Tmt. K. Dhanalakshmi Chairperson	Rtn.R.S.K. Raguraam Pro - Chairman	Dr. D. Vasudevan Principal

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S.No	Name of the Students	Year	Title
1.	Ashwin P S Buvaneshwaran R Abinanth J Arun Pandiyan E	IV A	ChatWelfare - Schemes for Physically Challenged
2.	Sowmiya T Shuruthi R Shri sreshtha P Preethi shree B	IV C & IV D	TechHarvest-An Asistance for Organic Farming
3.	Gowri M Kavishree L Kaviya Sri M Keerthy S	IV B	Virtual Classroom Attendance Monitoring System
4.	Guru S Jeya Guhan J Karthikeyan V Kishore V	IV B	AI Based App for Crop Yield Prediction.
5.	Madhesh G Mahendraboopathi B Mathisankar R Nithish Kumar M	IV C	Gamified Learning App

6.	Balaji N Gokul B Paarthasarathi K	& IV C	Dining Reservation System
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7.	Birundha M Amala Monika S Abirami G Nathiya K	IV A	Government Scheme Naviga
8.	DhivyaPrakaash S M Gokul S Alexpandi P Aphishek R	IV A	Legal Lens – Multilingual Legal AI C
9.	Abinaya Parameswari B S Anandha Samyuktha S	III A	Startup Ayush Porta
10.	Chithran V Akhil A C Elangkumaran A Atheshwaran K	III A	Identification of Prakri
11.	S.Harikishan U.Gurudayal R.Hariharan K.Hari Prasath	II A	Automart: Revolutionizing Retail W Automated Convenience
12.	S.K.Samyuktha S.Nivedita Prasanth A T S.Rajaram	II C	Future Law Enforcement Using Augumented Reality And Virtual Re