

DEPARTMENT OF MECHANICAL ENGINEERING

PATERN PUBLISHED YEAR 2024-2025

S.No	Patent Appl. No.	Patent Title	Filed Date	Published Date	Inventor's
1.	202441066145	A CLOUD -BASED MODEL FOR DIABETES MONITORING AND HEALTH -MEDICAL SERVICE INTEGRATION	02/09/2024	13/09/2024	1) Dr.MOHAMED ABBAS S , Associate Professor, Department of Mechanical Engineering, PERI Institute of Technology, Chennai- 600 048.
2.	202441066144	A NOVEL DENSENET BASED DEEP NEURAL NETWORK FOR ENHANCED TUBERCULOSIS DETECTION USING CHEST X RAY IMAGE	02/09/2024	20/09/2024	1) Dr.MOHAMED ABBAS S , Associate Professor, Department of Mechanical Engineering, PERI Institute of Technology, Chennai- 600 048.
3.	202441068657	INNOVATIVE FAULT DETECTION FOR ELEVATOR ROPES USING MACHINE & NBSP;LEARNING ALGORITHM	11/09/2024	04/10/2024	1) Dr.MOHAMED ABBAS S , Associate Professor, Department of Mechanical Engineering, PERI Institute of Technology, Chennai- 600 048.
4.	202441071621	SECURE ENCRYPTED DATA DEDUPLICATION AND RECOVERY USING PROXY RE-ENCRYPTION AND KEYWORD SEARCH	23/09/2024	04/10/2024	1) Dr.MOHAMED ABBAS S , Associate Professor, Department of Mechanical Engineering, PERI Institute of Technology, Chennai- 600 048.
5.	202441071634	DEVELOPMENT OF AN AUTOMATIC HYDRAULIC JACK FOR LIGHT VEHICLES	23/09/2024	04/10/2024	1) Dr.MOHAMED ABBAS S , Associate Professor, Department of Mechanical Engineering, PERI Institute of Technology, Chennai- 600 048.
6.	202441074598	HYPER SPECTRAL SENSING-BASED SYSTEM FOR SALAD LEAF DISEASE DETECTION AND PREDICTION USING MACHINE LE	03/10/2024	11/10/2024	1) Dr.MOHAMED ABBAS S , Associate Professor, Department of Mechanical Engineering, PERI Institute of Technology, Chennai- 600 048.
7.	202441074600	INTEGRATED DOMESTIC IN HOUSE WASTE TREATMENT AND WATER RECYCLING SYSTEM FOR SUSTAINABLE LIVING	03/10/2024	11/10/2024	1) MAGESH B , Associate Professor, Department of Civil Engineering, PERI INSTITUTE OF TECHNOLOGY, CHENNAI-600048, 2) Dr.MOHAMED

					ABBAS S, Associate Professor, Department of Mechanical Engineering, PERI Institute of Technology, Chennai- 600 048.
8.	202441076069	SOLAR POWER GENERATION FORECASTING SYSTEM USING RANDOM FOREST REGRESSION	08/10/2024	18/10/2024	1)Dr.MOHAMED ABBAS S, Associate Professor, Department of Mechanical Engineering, PERI Institute of Technology, Chennai- 600 048.
9.	202441076090	DEVELOPMENT AND IMPLEMENTATION OF SOLAR WINDOW SYSTEM FOR RESIDENTIAL AND COMMERCIAL BUILDINGS	08/10/2024	18/10/2024	1)Dr. Mohamed Abbas S Address of Applicant :Associate Professor, Mechanical Engineering, PERI Institute of Technology, Chennai,Tamilnadu, India-600048 2)Anil Kumar Address of Applicant :Assistant Professor, Mechanical Engineering, PERI Institute of Technology, Chennai,Tamilnadu, India-600048 3)P. Dhilip Kumar Address of Applicant :Assistant Professor, Mechanical Engineering, PERI Institute of Technology, Chennai,Tamilnadu, India-600048 4)V. Sounthararasu Address of Applicant :Assistant Professor, Mechanical Engineering, PERI Institute of Technology, Chennai,Tamilnadu, India-600048 5)Dr. V. Abhilash Address of Applicant :Assistant Professor, Mechanical Engineering, PERI Institute of Technology, Chennai,Tamilnadu, India-600048 6)Prabakaran. P Address of Applicant :Assistant Professor, Mechanical Engineering, PERI Institute of Technology, Chennai,Tamilnadu, India-600048
10.	202441081303	DEEP-LEARNING BASED CYBER-ATTACK DETECTION FRAMEWORK FOR IOT NETWORKS	25/10/2024	01/11/2024	1)Dr. Mohamed Abbas S Address of Applicant :Associate Professor, Department of Mechanical Engineering, PERI Institute of Technology, Chennai 600048. 7299977711 abbas432@gmail.com 2)Dr. Palson Kennedy R Address of Applicant :Principal, PERI Institute Of Technology, Chennai- 600048 3)Dr. Mourlin K Address of Applicant :Assistant professor, Xavier Business School (XBS), St. Xavier's University, Kolkata-700160. 4)Kavita Sanjay Singh Address of Applicant :Assistant Professor, Electronics and Computer Engineering, Thakur Shyamnarayan Engineering College, Mumbai - 400101 5)Boopathi P Address of Applicant :Assistant professor, Computer Applications, Nehru Arts and Science College, Coimatore - 641105. 6)Babu A Address of Applicant :Assistant Professor, Department of Mathematics, St. Joseph's Institute of Technology, Chennai - 600119.

11.	202441081304	SPEECH STAMMER DETECTION SYSTEM USING SPECTRAL FEATURES AND ARTIFICIAL NEURAL NETWORKS	25/10/2024	01/11/2024	1)Dr.MOHAMED ABBAS S, Associate Professor, Department of Mechanical Engineering, PERI Institute of Technology, Chennai- 600 048.
12.	202441085782	AUTONOMOUS ROAD MAINTENANCE VEHICLE FOR AUTOMATED ROAD REPAIR	08/11/2024	15/11/2024	1)Dr.MOHAMED ABBAS S, Associate Professor, Department of Mechanical Engineering, PERI Institute of Technology, Chennai- 600 048.
13.	202441085787	REAL-TIME SOLAR RADIATION MONITORING SYSTEM USING DEEP LEARNING AND IMAGE PROCESSING	08/11/2024	15/11/2024	1)Dr.MOHAMED ABBAS S, Associate Professor, Department of Mechanical Engineering, PERI Institute of Technology, Chennai- 600 048.
14.	202441089472	ENERGY-HARVESTING COMMUNICATION MODULES FOR IOT DEVICES	19/11/2024	29/11/2024	1)Dr. Mohamed Abbas S Address of Applicant :Associate Professor Mechanical Engineering PERI INSTITUTE OF TECHNOLOGY MANNIVAKKAM Tamil Nadu CHENNAI India -600048. 2)Dr.Rajeswari R Address of Applicant :Associate Professor Electronics and Communication Engineering PERI INSTITUTE OF TECHNOLOGY MANNIVAKKAM Tamil Nadu CHENNAI India -600048. 3)Dr.Nallathambi G Address of Applicant :Professor Electronics and Communication Engineering PERI INSTITUTE OF TECHNOLOGY MANNIVAKKAM Tamil Nadu CHENNAI India -600048. 4)Mr.Balaji B Address of Applicant :Assistant Professor Electronics and Communication Engineering PERI INSTITUTE OF TECHNOLOGY MANNIVAKKAM Tamil Nadu CHENNAI India -600048. 5)Gokul SURENDRA KUMAR G Address of Applicant :Assistant Professor Electronics and Communication Engineering PERI INSTITUTE OF TECHNOLOGY MANNIVAKKAM Tamil Nadu CHENNAI India -600048. 6)Shobana S Address of Applicant :Assistant Professor Electronics and Communication Engineering PERI INSTITUTE OF TECHNOLOGY MANNIVAKKAM Tamil Nadu CHENNAI India -600048. 7)Dr.Rajmohan K Address of Applicant :Assistant Professor Electronics and Communication Engineering PERI INSTITUTE OF TECHNOLOGY MANNIVAKKAM Tamil Nadu CHENNAI India -600048.
15.	202441089473	DEVELOPMENT OF ELECTRICAL POWER GENERATION ON RAILWAY TRACKS	19/11/2024	29/11/2024	1)Dr. Mohamed Abbas S Address of Applicant :Associate Professor Mechanical Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU, INDIA-600048.

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16.	202441096342	AUTOMATIC GLUCOSE LEVEL IDENTIFICATION AND ALERT SYSTEM FOR PREVENTING BLOOD CLOTS IN PATIENTS	06/12/2024	13/12/2024	1)Dr. Mohamed Abbas S Address of Applicant :Associate Professor, Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY PERI KNOWLEDGE PARK, MANNIVAKKAM, CHENNAI-600048,TAMILNADU, INDIA. 2)Athirayan S Address of Applicant :Assistant Professor, CSE/AIDS, PERI Institute of Technology, Chennai, Tamil Nadu, India, 600048 . 3)Mullai E Address of Applicant :Student, CSE/AIDS, PERI Institute of Technology, Chennai, Tamil Nadu, India, 600048 4)Merin Priya R Address of Applicant :Student, CSE/AIDS, PERI Institute of Technology, Chennai, Tamil Nadu, India, 600048 5)Supriya P Address of Applicant :Student, CSE/AIDS, PERI Institute of Technology, Chennai, Tamil Nadu, India, 600048 6)Keerthana T Address of Applicant :Student, CSE/AIDS, PERI Institute of Technology, Chennai, Tamil Nadu, India, 600048
17.	202441096350	DEVELOPMENT OF SMART HEADLIGHT INTENSITY MANAGER FOR AUTOMOTIVE VEHICLES TO PREVENT ACCIDENTS	06/12/2024	13/12/2024	1)Dr. Mohamed Abbas S Address of Applicant :Mechanical Engineering PERI Institute of Technology Chennai Tamil Nadu India 600048 2)Brigade's K Address of Applicant :Mechanical Engineering PERI Institute of Technology Chennai Tamil Nadu India 600048 3)Ragul M Address of Applicant :Mechanical Engineering PERI Institute of Technology Chennai Tamil Nadu India 600048 4)Abinesh L Address of Applicant :Mechanical Engineering PERI Institute of Technology Chennai Tamil Nadu India

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18.	202441100784	NANOMATERIAL-BASED ENERGY STORAGE DEVICE WITH ENHANCED CAPACITY AND PERFORMANCE	19/12/2024	27/12/2024	1)Dr. Subashini J Address of Applicant :Associate Professor, Department of S&H, PERI Institute of technology, Mannivakkam, Chennai - 600048, subashiniperi@gmail.com 2)Dr. T. Senthilkumar Address of Applicant :Professor, Dept. of Automobile Engineering, KCG College of Technology, Karapakkam chennai-600097, Tskchennai.senthil@gmail.com 3)Dr. Mohamed Abbas S Address of Applicant :Professor, Department of Mechanical Engineering, PERI Institute of technology, Mannivakkam, Chennai - 600048, abbas432@gmail.com 4)Dr. T.N. Balaji Address of Applicant :Associate Professor, Department of S&H, PERI Institute of technology, Mannivakkam. Chennai - 600048, balajiperiit@gmail.com 5)Vaithiyanathan G Address of Applicant :Assistant Professor, Department of Mechanical Engineering, PERI Institute of technology, Mannivakkam, Chcnai 600048, vaithiyanathan.govindaswamy@gmail.com 6)Dr. Jayanthi A Address of Applicant :Professor, Department of Physics, Jeppiar Institute of Technology, Sriperumbudur-631604, apjayanthi285@gmail.com
19.	202441100856	DEVELOPMENT OF FIRE-FREE BIO BRICK WITH WATER HYACINTH AND INDUSTRIAL WASTE	19/12/2024	27/12/2024	1)Mr.K.SANTHOSH KUMAR Assistant Professor, Department of Civil Engineering, PERI Institute of Technology, Chennai- 600 048. 2)Mr.G.NAGASUBRAMANIAN Assistant Professor, Mr.G.Nagasubramanian Department of Civil Engineering,

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20.	202441100857	A DYNAMIC PCM-BASED SMART SYSTEM FOR THERMAL INSULATION	19/12/2024	27/12/2024	1)Dr. Subashini J Address of Applicant :Associate Professor, Department of S&H, PERI Institute of technology, Mannivakkam, Chennai - 600048. subashiniperi@gmail.com 2)Dr. Ganapathi Raman R Address of Applicant :Associate Professor, Department of Physics, Saveetha Engineering College, Thandalam, Chennai - 602105. 3)Dr. T. Senthilkumar Address of Applicant :Professor, Dept, of Automobile Engineering, KCG College of Technology, Karapakkam, Chennai - 600097. Tskchennai.senthil@gmail.com 4)Dr. Mohamed Abbas S Address of Applicant :Professor, Department of Mechanical Engineering, PERI Institute of technology, Mannivakkam, Chennai - 600048. abbas432@gmail.com 5)Dr. T.N. Balaji Address of Applicant :Associate Professor, Department of S&H, PERI Institute of technology, Mannivakkam, Chennai - 600048. balajiperiit@gmail.com
21.	202441103640	ADAPTIVE OPTICAL SYSTEM FOR PRECISION ENERGY TRANSMISSION AND CONVERSION	27/12/2024	03/01/2025	1)Subashini J Address of Applicant :Associate Professor, Department of S&H, PERI institute of technology, Mannivakkam, Chennai - 600048 2)Saravanan G Address of Applicant :Associate professor,Jaya sakthi Engineering college, st Mary's Nagar,Thiruninravur-602024 3)B. Rampriya Address of Applicant :Associate Professor, Department of EEE,DMI College of Engineering, Chennai-600123 4)Y. Raghu Address of Applicant :Professor in Physics, Department of Science and Humanities,DMI College of Engineering,Chennai - 600123 5)Mohamed Abbas S Address of Applicant :Professor, Department of Mechanical Engineering, PERI Institute of technology, Mannivakkam, Chennai - 600048 6)V. Vijayakumar Address of Applicant :Assistant Professor,

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22.	202441103661	PREPARATION AND USE OF CHITOSAN OLIGOSACCHARIDE-BASED HYBRID MATERIALS FOR REMOVAL OF HEAVY METAL (PB) FROM WASTEWATER	27/12/2024	03/01/2025	1)Dr.T.N.Balaji Address of Applicant :Associate Professor & Head, Department of S&H, PERI Institute of Technology(Autonomous), Mannivakkam, Chennai -600048. balajiperiit@gmail.com 2)Dr.P.N.Sudha Address of Applicant :Principal (Rtd), DKM College for women (Autonomous), Vellore-632001. drparsu8@gmail.com 3)Dr. P. Supriya Prasad Address of Applicant :Research scholar, Department of Chemistry, Muthurangam Govt Arts College (Autonomous), Vellore-632002. supriyaprasad86@gmail.com 4)Dr. Subashini J Address of Applicant :Associate Professor, Department of S&H, PERI Institute of technology, Mannivakkam, Chennai - 600048. subashiniperi@gmail.com 5)Dr. Mohamed Abbas S Address of Applicant :Professor, Department of Mechanical Engineering, PERI Institute of technology, Mannivakkam, Chennai - 600048. abbas432@gmail.com 6)Ms. Thanga subha T Address of Applicant :Assistant Professor, Department of S&H, PERI Institute of technology, Mannivakkam, Chennai - 600048. thangasubhat@gmail.com
23.	202441103669	SMART FOOTWEAR FOR SCHOOL KIDS: IOT-DRIVEN GPS AND SELF-SUSTAINING ENERGY SYSTEM	27/12/2024	10/01/2025	1)Mr. MAGESH B Associate Professor, Civil Engineering, PERI Institute of Technology, Chennai- 600 048. 2)Dr.MOHAMED ABBAS S, Associate Professor, Department of Mechanical Engineering, PERI Institute of Technology, Chennai- 600 048. 3)Mr. SENTHIL KUMAR K.S Assistant Professor, Electronics and Communication Engineering, PERI Institute of Technology, Chennai- 600 048.
24.	202541009398	ON-THE-GO TECHNOLOGY FOR ELECTRIC VEHICLES TO MAINTAIN BATTERY RESERVE	05/02/2025	14/02/2025	1)Magesh B Address of Applicant :Associate Professor Department of Civil Engineering PERI Institute of Technology Mannivakkam, Chennai -48. 2)Mohamed Abbas S Address of Applicant :Associate Professor Department of Mechanical Engineering PERI Institute of Technology Mannivakkam, Chennai -48 3)Manju T Address of Applicant :Assistant Professor Department of Information Technology Sri Sairam Engineering College West Tambaram, Chennai-44 4)Suberiya Begum S Address of Applicant :Assistant Professor Department of Computer Science and Engineering B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai-48

25.	202541027617	DEVELOPMENT OF A SMART ELECTRIC LINE DETECTION AND ALERT SYSTEM FOR ENHANCED SAFETY IN TIPPER VEHICLES	25/03/2025	11/04/2025	1)Swathy S Address of Applicant :Computer Science and Engineering PERI Institute of Technology Chennai Tamil Nadu India 600048 2)Janaki M Address of Applicant :Computer Science and Engineering PERI Institute of Technology Chennai Tamil Nadu India 600048 3)Dr. Palson Kennedy R Address of Applicant :PERI Institute of Technology Chennai Tamil Nadu India 600048 4)Dr. Mohamed Abbas S Address of Applicant :Mechanical Engineering PERI Institute of Technology Chennai Tamil Nadu India 600048
26.	202541027618	HYBRID WIND SOLAR ENERGY GENERATION SYSTEM UTILIZING INTEGRATED SOLAR PANELS ON WINDMILL BLADES	25/03/2025	11/04/2025	1)Shasidharan K Address of Applicant :Electrical and Electronics Engineering PERI Institute of Technology Chennai Tamil Nadu India 600048 2)Vinayagamurthy M Address of Applicant :Electrical and Electronics Engineering PERI Institute of Technology Chennai Tamil Nadu India 600048 3)Ailen Sonia Dhas P Address of Applicant :Electrical and Electronics Engineering PERI Institute of Technology Chennai Tamil Nadu India 600048 4)Dr. Palson Kennedy R Address of Applicant :PERI Institute of Technology Chennai Tamil Nadu India 600048 5)Dr. Mohamed Abbas S Address of Applicant :Professor Mechanical Engineering PERI Institute of Technology Chennai Tamil Nadu India 600048
27.	202541035480	GEOTHERMAL-ASSISTED THERMAL CONTROL SYSTEM FOR SUSTAINABLE HEATING AND COOLING	11/04/2025	02/05/2025	1)Dr.Saravanan A Address of Applicant :Professor Department of Mechanical Engineering Sri Muthukumaran Institute of Technology Chikkarayapuram, Chennai-600069 ansyssaran@gmail.com 2)Dr. Rajinder Singh. Address of Applicant :Associate Professor Department o f Mechanical Engineering Pusa Institute of Technology (DSEU Pusa Campus), New Delhi 110012 rajindersinghl102@gmail.com 3)Dr. Ratnesh Kumar Gupta Address of Applicant :Assistant Professor Department of Mechanical Engineering Delhi Skill and Entrepreneurship University Pusa Campus, New Delhi - 110012 ratnesh.gupta@dseu.ac.in 4)Dr. Mohamed Abbas S Address of Applicant :Associate Professor Department of Mechanical Engineering PERI Institute of Technology Mannivakkam, Chennai - 600048 abbas432@gmail.com 5)Karthick Raja T Address of Applicant :Project Manager Majestic Technologies Padi, Chennai 600080 rajakarthick708@gmail.com

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28.	202541037172	GYROSCOPE BASED VEHICLE COLLISION DETECTION AND EMERGENCY NOTIFICATION SYSTEM WITH GSM/GPS AND IOT INTEGRATION	17/04/2025	02/05/2025	1)Dr.MOHAMED ABBAS S , Associate Professor, Department of Mechanical Engineering, PERI Institute of Technology, Chennai- 600 048. 2)ARCHANA V Student, Computer Science and Engineering, PERI Institute of Technology, Chennai- 600 048. 3)KOWSALYA S Student, Computer Science and Engineering, PERI Institute of Technology, Chennai- 600 048. 4)ANANDU K Student, Computer Science and Engineering, PERI Institute of Technology, Chennai- 600 048. 5)ARAVINDHAN M Student, Computer Science and Engineering, PERI Institute of Technology, Chennai- 600 048. 6)KARUNYA M Student, Computer Science and Engineering, PERI Institute of Technology, Chennai- 600 048.
29.	202541037178	INTELLIGENT VEHICLE TO VEHICLE COMMUNICATION SYSTEM USING DEDICATED SHORT RANGE COMMUNICATION FOR NOISE FREE TRAFFIC MANAGEMENT	17/04/2025	02/05/2025	1)Dr. Mohamed Abbas S Address of Applicant :Professor, Mechanical Engineering, PERI KNOWLEDGE PARK,MANNIVAKKAM,CHENNAI,TAMILNADU,INDIA . PIN:600048 2)Mullai E Address of Applicant :Student, AIDS, PERI KNOWLEDGE PARK,MANNIVAKKAM,CHENNAI,TAMILNADU,INDIA . PIN:600048 3)Merin Priya R Address of Applicant :Student, AIDS, PERI KNOWLEDGE PARK,MANNIVAKKAM,CHENNAI,TAMILNADU,INDIA . PIN:600048 4)Supriya P Address of Applicant :Student, AIDS, PERI KNOWLEDGE PARK,MANNIVAKKAM,CHENNAI,TAMILNADU,INDIA . PIN:600048 5)Keerthana T Address of Applicant :Student, AIDS, PERI KNOWLEDGE PARK,MANNIVAKKAM,CHENNAI,TAMILNADU,INDIA . PIN:600048 6)Manasa M Address of Applicant :Student, AIDS, PERI KNOWLEDGE PARK,MANNIVAKKAM,CHENNAI,TAMILNADU,INDIA . PIN:600048

30.	202541037184	SMART SWIMMING SAFETY FOOTWEAR WITH INTEGRATED LIDAR BASED DEPTH MONITORING AND IOT ALERT SYSTEM	17/04/2025	02/05/2025	1)Mr. MAGESH B Associate Professor, Civil Engineering, PERI Institute of Technology, Chennai- 600 048. 2)Dr.MOHAMED ABBAS S, Associate Professor, Department of Mechanical Engineering, PERI Institute of Technology, Chennai- 600 048.
31.	202541039915	SMART MODULAR BIOFUEL GENERATION SYSTEM USING GARDEN WASTE	25/04/2025	16/05/2025	1)Thennarasu K Address of Applicant :PERI INSTITUTE OF TECHNOLOGY, PERI KNOWLEDGE PARK, MANNIVAKKAM, CHENNAI, TAMILNADU-600048, 7299977711, 2)Arjun D Address of Applicant :AI&DS PERI Institute of Technology Chennai Tamil Nadu India 600048 3)Ruthra Kodi S Address of Applicant :PERI Institute of Technology Chennai Tamil Nadu India 600048 4)Dr. Subashini J Address of Applicant :PERI INSTITUTE OF TECHNOLOGY, PERI KNOWLEDGE PARK, MANNIVAKKAM, CHENNAI, TAMILNADU-600048, 7299977711, 5)Dr. Balaji T N Address of Applicant :Science & Humanities PERI Institute of Technology Chennai Tamil Nadu India 6)Dr. Mohamed Abbas S Address of Applicant :PERI INSTITUTE OF TECHNOLOGY, PERI KNOWLEDGE PARK, MANNIVAKKAM, CHENNAI, TAMILNADU-600048, 7299977711,
32.	202541039951	SMART AND REAL TIME SURVEILLANCE SYSTEM FOR CONSTRUCTION SITE SAFETY USING YOLO OBJECT DETECTION AND FLASK FRAMEWORK	25/04/2025	16/05/2025	1)RATHMIKAA V. V Computer Science and Engineering PERI Institute of Technology, Chennai- 600 048. 2)PRIYADHARSHINI R Computer Science and Engineering PERI Institute of Technology, Chennai- 600 048. 3)Dr. MANOHARI D Computer Science and Engineering PERI Institute of Technology, Chennai- 600 048. 4)Dr.MOHAMED ABBAS S, Associate Professor, Department of Mechanical Engineering, PERI Institute of Technology, Chennai- 600 048.
33.	202541040031	DEVELOPMENT OF SELF-HEALING CONCRETE UTILIZING BACILLUS SUBTILIS BACTERIA WITH THE DENSITY OF 10^6 CELLS/MI	25/04/2025	23/05/2025	1)Ezhilarasi E Address of Applicant :Assistant Professor Civil Engineering PERI INSTITUTE OF TECHNOLOGY,PERI KNOWLEDGE PARK,MANNIVAKKAM,CHENNAI,TAMILNADU,INDIA . PIN:600048 2)Thirumalaivasan A Address of Applicant :Student Civil Engineering PERI INSTITUTE OF TECHNOLOGY,PERI KNOWLEDGE PARK,MANNIVAKKAM,CHENNAI,TAMILNADU,INDIA . PIN:600048 3)Mr. Suvasan E Address of Applicant :Student Civil Engineering PERI INSTITUTE OF TECHNOLOGY,PERI

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34.	202541040032	HYBRID RENEWABLE ENERGY SYSTEM INTEGRATING WIND TURBINE, SOLAR PHOTOVOLTAIC AND COMPRESSED AIR	25/04/2025	23/05/2025	1)Dr. Rajagopal M Address of Applicant :Professor Mechanical Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI,TAMILNADU,INDIA. PIN:600048 2)Dr. Vignesh K Address of Applicant :Professor Mechanical Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI,TAMILNADU,INDIA. PIN:600048 3)Anil Kumar Address of Applicant :Assistant Professor Mechanical Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI,TAMILNADU,INDIA. PIN:600048 4)Bragadeesh K Address of Applicant :Student PERI INSTITUTE OF TECHNOLOGY CHENNAI,TAMILNADU,INDIA. PIN:600048 5)Abinesh L Address of Applicant :Student Mechanical Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI,TAMILNADU,INDIA. PIN:600048
35.	202541043337	"HANDS-FREE HOME APPLIANCE CONTROL SYSTEM USING EYE BLINK DETECTION	05/05/2025	30/05/2025	1)Sowmya S Address of Applicant :Student Electronics and Communication Engineering PERI INSTITUTE OF TECHNOLOGY, CHENNAI, TAMILNADU, INDIA-600048 2)Priscilla N Address of Applicant :Student Electronics and Communication Engineering PERI INSTITUTE OF TECHNOLOGY, CHENNAI, TAMILNADU, INDIA-600048 3)Krithikha R Address of Applicant :Student Electronics and Communication Engineering PERI INSTITUTE OF TECHNOLOGY, CHENNAI, TAMILNADU, INDIA-600048 4)Dr. Rajeswari R Address of Applicant :Associate Professor

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36.	202541043338	"	05/05/2025	30/05/2025	1)Santhana Lakshmi G Address of Applicant :Student Electronics And Communication Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 2)Swarna T Address of Applicant :Student Electronics And Communication Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 3)Sindhu Usha S Address of Applicant :Student Electronics And Communication Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 4)Dr. Moorthy V Address of Applicant :Professor Electronics And Electronics Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 5)Dr. Mohamed Abbas S Address of Applicant :Professor Mechanical Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 6)Sreedevi S L Address of Applicant :Assistant Professor Electronics And Electronics Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048
37.	202541047145	ELECTRICITY ACCESS CONTROL SYSTEM USING PASSCODE AND IOT TECHNOLOGY	16/05/2025	13/06/2025	1)Mr. ANIL KUMAR Address of Applicant :Assistant Professor Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 2)Dr. Mohamed Abbas S Address of Applicant :Professor Department of Mechanical Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 3)Vigneshkumar M Address of Applicant :Assistant Professor, Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 4) JAYAKANTHAN R Address of Applicant :Student, Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 5)SUJEETH S Address of Applicant :Student,Department of

					Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 6)MUKESH KUMAR P Address of Applicant :Student,Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048
38.	202541047146	INTELLIGENT HAND'S DETECTION ON THE HANDLEBARS AND ALERT MECHANISM FOR MOTORCYCLE SAFETY	16/05/2025	13/06/2025	1)Madhumitha S Address of Applicant :Student Department of Computer Science and Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 2)Mageswari D Address of Applicant :Student Professor Department of Computer Science and Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 3)SIBE M Address of Applicant :Student Professor Department of Computer Science and Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 4)Pandeewari M Address of Applicant :Assistant Professor, Department of Department of Computer Technology, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 5)Dr. Mohamed Abbas S Address of Applicant :Professor Mechanical Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048
39.	202541049688	AI-Based Smart Traffic Management System Using YOLO/CNN and RNN-LSTM for Emergency and Density-Based Signal Control	23/05/2025	20/06/2025	1)Dr. Rajagopal M Address of Applicant :Professor Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 2)Dr. Geetha N B Address of Applicant :Student Professor Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 3)Mr. Prabakaran P Address of Applicant :Assistant Professor, Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 4)Mr. Sounthararasu V Address of Applicant :Assistant Professor, Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 5)Mr. Gunasekar N D Address of Applicant :Student, Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 6)Mr. Haiharan S V Address of Applicant :Student Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048

40.	202541049689	STAIRCASE-BASED COMPRESSED AIR GENERATION SYSTEM FOR POWER PRODUCTION	23/05/2025	20/06/2025	1)Dr. Mohamed Abbas S Address of Applicant :Professor Mechanical Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 2)Ms. Premavathy N Address of Applicant :Assistant Professor Department of Computer Science and Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 3) Abdul Samad. M Address of Applicant :Student Department of Computer Science and Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 4)Ashik Rasool S Address of Applicant :Student Department of Computer Science and Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 5)I. Aakash Kumma Address of Applicant :Student Department of Computer Science and Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 6)Dinesh Kumar K Address of Applicant :Student Department of Computer Science and Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048
41.	202541052395	INTELLIGENT PILLOW FOR REAL-TIME VITAL SIGN MONITORING WITH EMERGENCY ALERT	30/05/2025	27/06/2025	1)Sachin S Address of Applicant :Student, Artificial intelligence and data science, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 2)Dr. Mohamed Abbas S Address of Applicant :Professor, Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 3)Jai Surya k Address of Applicant :Student, Artificial intelligence and data science, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 4)Dhanush V Address of Applicant :Student,Artificial intelligence and data science, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 5)Rahul Raj R Address of Applicant :Student, Artificial intelligence and data science, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 6)Kotteeswari V Address of Applicant :Student, Artificial intelligence and data science, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048
42.	202541052396	ADVANCED AND INTELLIGENT PREDICTIVE FRAMEWORK UTILIZING MACHINE LEARNING FOR ENHANCED ENERGY EFFICIENCY IN SMART GRID SYSTEM	30/05/2025	27/06/2025	1)Thangam N Address of Applicant :Assistant Professor Civil and Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 2)Mr.Nagasubramanian G Address of Applicant :Assistant Professor, Civil and Engineering, PERI INSTITUTE OF

					TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 3)Dr. Mohamed Abbas S Address of Applicant :Professor, Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 4)Mr. Vikram V Address of Applicant :Student,Civil and Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 5)Ms. Thamarai Selvi T Address of Applicant :Student, Department of Civil and Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048
43.	202541052387	SUSTAINABLE HYDROGEN GENERATION FROM LEACHATE USING LINSEED ENHANCED TiO2 PHOTOCATALYSIS	30/05/2025	27/06/2025	1)Indhumathi N Address of Applicant :Student, Electronics and Communication Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 2) Indhuja A Address of Applicant :Student, Electronics and Communication Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 3)Swetha T Address of Applicant :Student, Electronics and Communication Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 4)Dr. Rajeswari R Address of Applicant :Associate Professor,Electronics and Communication Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 5)Dr. Mohamed Abbas S Address of Applicant :Professor Mechanical Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 6)Dr.Palson kennedy R Address of Applicant :Principal PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048
44.	202541052388	AI-POWERED NON-INVASIVE MULTISENSOR APPROACH FOR ADHD AND OCD DETECTION	30/05/2025	27/06/2025	1)Dr. Rajagopal M Address of Applicant :Professor ,Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 2) Dr. Geetha N B Address of Applicant :Professor ,Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 3)Mr. Vignesh Kumar M Address of Applicant :Assistant Professor, Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 4)Kesavan S Address of Applicant :Student ,Department of Mechanical Engineering,PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048

					5) Ranjith Kumar R Address of Applicant :Student ,Department of Mechanical Engineering,PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 6)Ankit Kumar Singh Address of Applicant :Student ,Department of Mechanical Engineering, PERI Institute of Technology, CHENNAI, TAMIL NADU INDIA-600048
45.	202541052400	DETACHABLE ICE INSERT AIR COOLER WITH QUICK CHANGE COLD PACKS	30/05/2025	27/06/2025	1)Boomika N Address of Applicant :Student ,Department of Electronics And Communication Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 2)Anees Fathima M Address of Applicant :Student, Department of Electronics And Communication Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 3)Narmatha M Address of Applicant :Student, Department of Electronics And Communication Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 4)Dr.Palson kennedy R Address of Applicant :Principal ,Department of Computer Science and Engineering,PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 5)Ms. Shobana S Address of Applicant :Professor ,Department of Electronics and Communication Engineering,PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 6)Dr.MOHAMED ABBAS S Address of Applicant :Associate Professor, Department of Mechanical Engineering, PERI Institute of Technology, CHENNAI, TAMIL NADU INDIA-600048
46.	202541052401	ACCIDENT DETECTION AND EMERGENCY ALERT SYSTEM BETWEEN VEHICLE TO VEHICLE USING LORA COMMUNICATION	30/05/2025	27/06/2025	1)Dr. Rajagopal M Address of Applicant :Professor, Department of Mechanical Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 2) Dr Geetha N B Address of Applicant :Professor, Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 3)Mr. Dhilip Kumar P Address of Applicant :Assistant Professor, Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 4)Maniraj T Address of Applicant :Student,Department of Mechanical Engineering,PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 5)Jayanth P Address of Applicant :Student, Department of

					Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048
47.	202541055331	GLOW GUARD: A NIGHTTIME SAFETY STICK FOR VISUALLY IMPAIRED PERSON	09/06/2025	27/06/2025	1)Noorul Famitha A Address of Applicant :Student, Department of Electronics and Communication Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 2)Dr.MOHAMED ABBAS S Address of Applicant :Associate Professor, Department of Mechanical Engineering, PERI Institute of Technology, CHENNAI, TAMIL NADU INDIA-600048 3)Dr. Rajeshwari Address of Applicant :Associate Professor, Department of Electronics and Communication Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 4)Dr. Palson Kennedy Rdian Address of Applicant :Principal,Department of Computer Science and Engineering,PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU, INDIA-600048. 5)ISHWARYA M Address of Applicant :Student, Department of Electronics and Communication Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 6)Vijaya Sri Y Address of Applicant :Student, Department of Electronics and Communication Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048.
48.	202541055330	Deep Learning-Based Detection of Alzheimer's Disease Using CNNs on MRI Scans	09/06/2025	27/06/2025	1)S.Naveen Address of Applicant :Student, Department of Artificial intelligence and data science, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 2) Haridass S Address of Applicant :Student, Department of Artificial intelligence and data science, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 3)Dr.MOHAMED ABBAS S Address of Applicant :Associate Professor, Department of Mechanical Engineering, PERI Institute of Technology, CHENNAI, TAMIL NADU INDIA-600048 4)Akash K Address of Applicant :Student,Department of Artificial intelligence and data science,PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 5)Ritheshwaran M Address of Applicant :Student, Department of Artificial intelligence and data science, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 6)Nafey Nazeeruddin Address of Applicant :Student,

					Department of Artificial intelligence and data science, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048.
49.	202541054639	Gesture-Controlled Mouse Interface for Physically Impaired Users	09/06/2025	27/06/2025	1)Dr. Rajagopal M Address of Applicant :Professor, Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 2) Dr. Geetha N B Address of Applicant :Professor, Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 3)Mr.Vignesh A R Address of Applicant :Assistant Professor, Department of Mechanical Engineering, PERI Institute of Technology, CHENNAI, TAMIL NADU INDIA-600048 4)Mr. Harish M Address of Applicant :Student,Department of Mechanical Engineering,PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 5)Mr. Harish A Address of Applicant :Student, Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 6)Mr. Ragul R Address of Applicant :Student, Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048.
50.	202541055326	WALKING STICK WITH ROTATIONALLY EXPANDABLE BASE GRIP FOR STAIR CLIMBING STABILITY	09/06/2025	27/06/2025	1)Dr. Rajagopal M Address of Applicant :Professor, Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 2) Dr. Geetha N B Address of Applicant :Professor, Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 3)Mr. Srinivash P Address of Applicant :Student, Department of Mechanical Engineering, PERI Institute of Technology, CHENNAI, TAMIL NADU INDIA-600048 4)Mr. Surendran S Address of Applicant:Student,Department of Mechanical Engineering,PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 5)Mr. Vignesh P Address of Applicant :Student, Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048 6)Mr. Akash S Address of Applicant :Student, Department of Mechanical Engineering, PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048.