

Dr.Mahalingam College of Engineering and Technology, Pollachi

Office of Dean Research and Innovation

Report on

REVIEW OF PATENT PROPOSAL – KNOWLEDGE SHARING SESSION

Date: 31-08-2023

About the Session

The Office Dean Research and Innovation organized a workshop on the **Review of Patent Proposal - Knowledge Sharing Session** for the benefit of the faculty members of MCET. The session details are given below for your kind reference.

S.No	Name of the Resource Person	Topic	Date & Time	Venue	No of Participants
1	Mr.Ramesh Kannan P Registered Patent Agent, Lawyer, and Founding Partner, QUADRIGA ,The Intellectual Property Experts ,Chennai	Patent reviewing process	22.08.2023 & 2.00.pm to 4.30pm	Dean RI Conference Hall	2 Faculty Members per Patent (one to one Contact)
	Mr.Venkatesh Viswanath Registered Patent Agent, Registered Trade Marks Agent, and Founding Partner , QUADRIGA ,The Intellectual Property Experts ,Chennai				

Patent Proposal reviewing

Based on the novelty and idea, the patent proposals reviewed by a Resource Person provide impartial evaluations, specialized technical insights, and constructive feedback, enhancing the credibility of the applications on 22.08.2023. A total of 24 patents were reviewed, and improvements, next steps, claims, and alternative plans were suggested by the Resource Person to the respective faculty members through one-on-one contact. After reviewing the 24 patent proposals, 8 patents were identified as eligible for granting, while 4 patents were recommended for copyright or design intellectual property rights (IPR) protection.

Table 1. New Proposal for Idea of Patentable Inventions

S.No	Title	Department	Inventors
1	Portable Folding Luggage Carrier Trolley	Automobile	Mr. V.D.Tamilarsan Dr. D.Shanmugam Dr. S.K.Ashok Mr. M.Mahendran
2	A Defensive Smart Helmet for Real-Time Obstacle Detection During Motorcycle Drive	CSE	P.Boopathi Rajan N.Sumathi S.C.Lavanya
3	Advanced Livestock Monitoring Platform by Leveraging Remote Sensing And Automation	CSE	M.Pandi T.Kanagasabapathy
4	LED and Buzzer Enabled Hydration Device for Managing Healthy Lifestyle	CSE	Dr.M.L.Valarmathi C.Devipriya B.Suganya
5	Mobile Robot Path Planning in Dynamic Environment Based on Hybrid Ensemble PSO Optimization Algorithm	CSE	K. Radha
6	Apparatus for Predicting Genetic Disorder Disease	CSE	Sumathi.N Boopathirajan.P Lavanya.S.C
7	AI Based Minutes Summariser	CSE	Ms.C.Jayashree Dr.M.L.Valarmathi Dr.G.Anupriya
8	Design of High-Speed Sequence Detector	ECE	Ms.P.Vanji priya, Ms.S.Abiramasundari
9	Smart Lawn Care System	ECE	Ms.R.SherineJenny Ms.N.Sugirtham Mr.M.Nithyakumar
10	Voice Activated Smart Wearable Device for Women Safety Using Machine Learning	ECE	Ms.S.Thilagavathi Ms. T. Sathiyapriya Dr. R. Sudhakar
11	Wireless Glucose Level Monitoring and Insulin Pumping Device	ECE	K.C.Rajarajeshwari S.Dharani K.R.Gokul Anand
12	Electric Vehicle Theft Monitoring	ECE	Mr.A.Shafeek, Mr. V.Gurunathan, Dr.R.Sudhakar
13	A System of Measuring Environmental Parameters Integrating AI with IOT	ECE	Dr.Moorthy.C
14	IOT Based Smart Waste Management System	EEE	Dr.R.S.Venkatesan, Mr.J.Soundappan, Mr.M.Saranraj, Mr.M.Thirunavukkarasu
15	E Chair for Medical Assistance	EEE	Dr. K. Umamaheswari
16	Smart Water Quality Monitoring System Powered by IoT	EEE	Dr. B. Vinothkumar
17	A portable Smart Chicken Cage for Small Household Domestic Poultry Farming	EEE	Mr. J. Arthur Vasanth
18	IoT Based Solar Powered Automated Lawn Mower	EEE	Dr. S. Antony Jesudurai

S.No	Title	Department	Inventors
19	Development of Electronic Control Unit for Bio-Fueled Engine	EEE	
20	A Wearable Smart Device for Predicting Anemia Using Non Invasive Method	IT	Dr.A.P.Janani, Ms. T. Sumathi
21	Optimizing Dispenser System Performance with Deep Learning Classification of Camera Captured Images for Liquid Flow Control	IT	Dr.S.Ramakrishnan N.Praveen Sundra Kumar D.Janani A.G..Priya Varshini
22	Recommendation to Farmers on Crop Yield Using Remote Sensing and Machine Learning Techniques	IT	Dr.L.Meenachi Ms.T.Sumathi, Ms.K.Saranya,
23	Automated Whitefly Management System for Coconut Farms Powered by IoT	IT	Dr. S.Ramakrishnan, Dr. J. Ramprasath, Ms.S.Soundariya, Ms.K.Saranya
24	A Machine For Grinding Flour With Variable Ingredient Storage Container and Auto Adjustable Speed Based on The Quantity of The Ingredients.	IT	Dr.S.Ponni alias sathya, Dr.S.Ramakrishnan, Dr.A.S.Muthanantha murugavel

Photos Taken During Patent Reviewing Process



Outcomes of the event

Participants learned how to perform extensive prior art searches, create concise patent claims, and simplify patent-related paperwork. They also gained a full grasp of patent identification methodologies and efficient work procedures in patent prosecution.

On the other hand, examining a patent proposal results in an assessment of its quality, the identification of possible flaws, and the improvement of the application prior to official submission, ensuring that the proposal satisfies the necessary criteria and enhancing the likelihood of a successful patent award.



Dean R&I



Principal

**--Sd--
Secretary**

Dr. Mahalingam College of Engineering and Technology, Pollachi - 642003



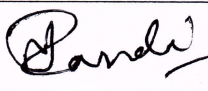
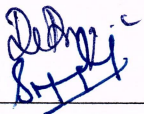

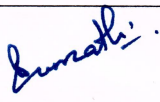

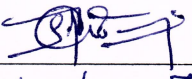
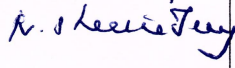




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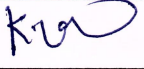


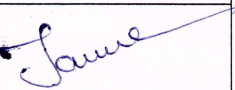
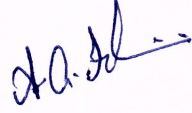
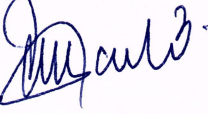

Review of Patent Proposal – Knowledge Sharing Session

Faculty Attendance Sheet

Venue: Dean R&I Office Conference Hall (A117)

Date:22.08.2023

S.No.	Title	Department	Inventors	Attended Inventor Signature
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