



STAFF ACHIEVEMENTS AND AWARDS

1. Dr.Hema C.R has been awarded the Product: Hybrid Gripper Unit for Bore well Rescue Machine, Patent Design No.278896 Dated: 29.12.15, Govt. of India Patent Office.
2. Dr.Hema C.R has filed following 5 patents.
 - ✓ Intelligent Sensors for Reversing Vehicles 2008 (Malaysia)
 - ✓ Intelligent Brain Interface for a Robot Chair 2009(Malaysia)
 - ✓ An Intelligent Bimodal Rehabilitative Device for the Voice and Movement Impaired using Brain Signals 2010 (Malaysia)
 - ✓ Bimodal Interface Wheel Chair for Rehabilitation of Paralyzed People 2015 (India),Application No: 1936/CHE/2015 Date of Filing: 5.04.2015
 - ✓ Mehndi (INA) Machine. Application No. E2/2883/2019/CHE Date of Filing 16.9.2019

3. Dr.Hema C.R has received following awards under various Categories.

A. Professional Awards

- ✓ Versatile Employee Award from Universiti Malaysia Perlis 2009
- ✓ Best Researcher Award from Karpagam University for the year 2014
- ✓ Leader Award from Universitas Ubudiyah Indonesia , October 2019

B. Best Thesis Award

- ✓ Best Thesis Award for 2009 received from University Malaysia Perlis for PhD thesis titled 'A Brain Machine Interface Controlled Robot Chair'

C. Best Paper Award

- ✓ Hema C.R., **Paulraj M.P.**, Sazali Yaacob, Abdul Hamid, Nagarajan R., "Particle Swarm Neural Network Based Classification Of EEG Mental Tasks", *4th IEEE International Colloquium on Signal Processing and its Applications.(CSPA) 2008*, K. L., Malaysia 7 – 9 Mar 2008, pp 347 -350.

D. Research Awards

Awards received at International Expositions for Research Products.

- ✓ **GOLD MEDAL International Exposition of Research and Inventions of Institutions of Higher Learning** 2007, Kuala Lumpur, Malaysia. 'Intelligent Sensors for Reversing Vehicles'



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- ✓ **GOLD MEDAL, EUREKA, The Belgian and International Trade Fair for Technology Innovation 2008, Brussels, Belgium.** ‘Intelligent Sensors for Reversing Vehicles’
- ✓ **GOLD MEDAL, International Exposition of Research and Inventions of Institutions of Higher Learning 2009, Kuala Lumpur, Malaysia.** ‘Intelligent Brain Interface for a Robot Chair’
- ✓ **KOREAN SPECIAL AWARD and GOLD MEDAL International Engineering Invention & Innovation Exhibition (i-ENVEX 2013), Universiti Malaysia Perlis, Malaysia, ‘Child Rescue System for Bore well Disasters’**
- ✓ **GOLD MEDAL, World Invention Creativity Olympic 2018** organised by Korea University Invention Association, Seoul, South Korea, 2-4 August 2018. ‘Collar Cleaning Machine’
- ✓ **SPECIAL AWARD, Norton University, Kingdom of Cambodia award at World Invention Creativity Olympic 2018** organised by Korea University Invention Association, Seoul, South Korea 2-4 August 2018. ‘Collar Cleaning Machine’.
- ✓ **GOLD AWARD, International Innovations Creativity and Technology Exhibition ‘i2Create’ 2019 Kuala Lumpur, 12-14 April 2019** organised by Malaysian Research and Innovation Society, Intelligent Milk Box
- ✓ **‘i2Create’ Grand Award (International Category), International Innovations Creativity and Technology Exhibition ‘i2Create’ 2019 Kuala Lumpur, 12-14 April 2019** organized by Malaysian Research and Innovation Society, Mehndi Applier Machine
- ✓ **GOLD MEDAL, 4th International Art Creativity and Engineering Exhibition I+ACEH 2019, Banda Aceh, Indonesia, 1-2 October 2019, “Mehandi Designer Traditional Decorative Designs Applier Machine.**

4. Mr.A.P.Roger Rozario has filed a Indian Patent under a titled of A SYSTEM FOR POND MONITORING AND MANAGEMENT OF AQUAFARMING, Patent No. : 327395 Patentee: SHRIMP HOARD TECHNOLOGIES PRIVATE LIMITED Date: 02/03/2018



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5. Dr.G.Kannayeram has filed a Australian Patent under a titled of ELECTRIC VEHICLE CHARGE MANAGEMENT AND MONITORING SYSTEM BASED ON IOT , Patent No:2020102995, Dated:09-12-2020

6. Mr.C.Anandhakumar has filed a Indian Patent under a titled of ANALYSIS OF THE EFFICACY OF ELECTRIC AND HYBRID ELECTRIC VEHICLES THROUGH THE TECHNIQUES OF ARTIFICIAL INTELLIGENCE, Application No.202211075958 A , Date: 13-01-2023

7. Dr.S.Sangeetha has been awarded with Senior Educator and Researcher Award on March 8, 2018 by National Foundation for Entrepreneurship Development (NFED), Coimbatore

8. Ms.D.Poornima has been awarded with Young Educator and Researcher Award on September 5, 2022 by National Foundation for Entrepreneurship Development (NFED), Coimbatore

9. Dr.Shanmugam Sangeetha, Ms.Dhandapani Poornima filed a patent titled “Smart Washroom Cleaning System” with Application Number 202241022519 in the year 2021

10.Mr. A.P Roger Rozario and his team have Won “ Double Gold award” in International Engineering Invention and Innovation Exhibition (i-ENVEX) 2018 conducted by University of Malaysia Perlis on 13.04.2018 to 15.04.2018 at Malaysia for the project titled as A Watchdog for Indigenous cow Breeds to increase milk yield in dairy farms

11.Mr. A.P Roger Rozario and his team have Won “ Silver award” in International Engineering Invention and Innovation Exhibition (i-ENVEX) 2018 conducted by University of Malaysia Perlis on 13.04.2018 to 15.04.2018 at Malaysia for the project titled as A Watchdog for Mushroom farms

12. Mr. A.P Roger Rozario and his team have participated in India Innovation Challenge Design Contest 2016 for his product “A Watchdog for Aquaculture Farms” organized by DST and TEXAS instruments in the year 2016 and Won the following Prizes.

✓ Product Development Fund : Rs. 5 Lakhs



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- ✓ Chairman's Award : Rs. 7 Lakhs
- ✓ Seed Fund (DST) : Rs. 20 Lakhs
- ✓ Prizes for Progressing in various stages of the competition : Rs. 1 Lakh

13. Mr.A.P Roger Rozario and his team have developed a product titled as A Watchdog for Indigenous Cow breeds and participated in the Accenture Innovation Challenge 2019 Which was appreciated by DECCAN CHRONICLE and HINDU newspapers in the year 2019.

14. An amount of Rs 50 Lakhs was granted by Biotechnology Industry Research Assistance Council (BIRAC), under BIG Flagship Programme to Mr.A.P.Roger Rozario AP(Sr.G)/EEE and Director, Shrimphoard Technologies, student start-up of the EEE 2013-2017 batch.

15. Mr. E. Ramkumar and his team have developed a product titled as Renewable Energy harvesting Machine using RTV and participated in the i-ENVEX 2018 and won a Silver award.

16. Mr. E. Ramkumar and his team have developed a product titled as Ecofriendly Dye Extraction from Cyanophyta for Textiles and participated in the 4th i+ACEH 2019 and won a Gold award.

17. Mr. E. Ramkumar was presented with Outstanding Leader Award at the occasion of 4th i+ACEH 2019.

18. Mr. E. Ramkumar and his team have developed a product titled as Saree ironing and folding machine participated in the KIDE 2019 organized by World Invention Intellectual Property Associations and won a Gold medal.

19. Mr. E. Ramkumar and his team have developed a product titled as A smart and Simple Control of Robotic Arm for Pick and Place Applications and participated in the i2Create 2021 and won a Gold award.



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20. Mr. E. Ramkumar was part of the team which developed a product titled as An Intelligent Social Distance Crowd Management System for pandemic Situation which won a Gold award at i2Create 2021.

21. Mr. C. Anandhakumar and his team developed a product titled as Ecofriendly Dye Extraction from Cyanophyta for Textiles and participated in the 4th i+ACEH 2019 and won a Gold award.

22. Mr. C. Anandhakumar and his team developed a product titled as Estimation of State of Charge in Li-Ion battery using LMS method for EV and participated in the i2create project competition held on 16.09.2021 and won the silver award.