Awards

1. Professional Awards

1. **Excellent Service Award**, University Malaysia Sabah, 2003.

2. **Dean's List for Excellent Service Award,** University Malaysia Sabah, 2004.

3. "An Intelligent System for Engine Fault Detection", Anugerah Seri Gemilang UniMAP 2007.

4. "Child Care System: Avoid Accident to Children Behind Reversing Cars", Anugerah Seri Gemilang UniMAP 2007.

5. "An Intelligent Vehicle Fault Diagnosing System", Anugerah Seri Gemilang UniMAP 2007.

6. "Intelligent Sensor for Reversing Vehicles", Anugerah Seri Gemilang UniMAP 2007.

7. "An Expert System for Motorbike Engine Fault Diagnosis", Anugerah Seri Gemilang UniMAP 2008.

8. "An Intelligent Real Time System for Converting Sign Language into Voice", Anugerah Seri Gemilang UniMAP 2008.

9. "An Intelligent Sensor for Reversing Vehicles", Anugerah Seri Gemilang UniMAP 2008.

10. "An Intelligent Diagnosing System for Voice Disorder", Anugerah Seri Gemilang UniMAP 2008.

11. "An Intelligent Embedded System for Motorbike Fault Diagnosis", Anugerah Seri Gemilang UniMAP 2008.

12. "Intelligent Brain Interface for a Robot Chair", Anugerah Kecemerlangan Pernyelidikan UniMAP 2009.

13. "Intelligent Diagnosing System for Voice Disorders", Anugerah Kecemerlangan Pernyelidikan UniMAP 2009.

14. "Brain Controlled Rehabilitative Wheel Chair for People with Special Needs", Anugerah Seri Gemilang UniMAP 2009.

15. **"Anugerah Pendidik Cemerlang"**, University Malaysia Perlis 2009.

16. "Intelligent Sign Language to Voice Communication System for Hearing Impaired", Anugerah Seri Gemilang UniMAP 2010.

17. "An Intelligent Biomodal Rehabilitative for the Voice and Movement Impaired using Brain Signals", Anugerah Seri Gemilang UniMAP 2010.

18. "An Intelligent Non Destructive Damage Detection System", Anugerah Seri Gemilang UniMAP 2010.

19. "Voiceless Voice: An Intelligent Communication System for Physically Retarded Communities", Anugerah Seri Gemilang UniMAP 2010.

20. "Intelligent Hand Gesture Movement Controlled Robot", Anugerah Seri Gemilang UniMAP 2010.

21. "Mobile Robot Controls using Brain Signal", Anugerah Seri Gemilang UniMAP 2010.

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

23. Intelligent Sign Language to Voice Communication System for Hearing Impaired, Anugerah Seri Gemilang UniMAP 2011.

24. An Intelligent Communication System for Neuromuscular Disorder Patients, Anugerah Seri Gemilang UniMAP 2011.

25. An Intelligent Communication System for Neuromuscular Disorder Patients, Anugerah Seri Gemilang UniMAP 2011.

2. Awards for Research Products

1. **Gold Medal**, "A Bin Picking Assistive Device (BPAD) for Industrial Robots", UniMAP Ekspo 2006.

2. **Silver Medal**, "Noise Engine Based Vehicle Fault Diagnosing System", UniMAP Ekspo 2006.

3. **Silver Medal**, "Child Care System: Avoid Accident to Children Behind Reversing Cars", UniMAP Exspo 2006.

4. **Gold Medal**, "An Intelligent Vehicle Fault Diagnosing System", ITEX 2007.

5. **Gold Medal**, "Intelligent Sensor for Reversing Vehicles", Pecipta 2007.

6. **Bronze Medal**, "An Intelligent Embedded System for Motorbike Fault Diagnosis", Rekacipta 2007.

7. **Bronze Medal**, "Child Care System: Avoid Accident to Children Behind Reversing Cars", ITEX 2007.

8. **Bronze Medal**, "An Intelligent System for Engine Fault Detection", Pecipta 2007.

9. **Bronze Medal**, "An Intelligent Real Time System for Converting Sign Language into Voice", Rekacipta 2007.

10. **Bronze Medal**, "An Intelligent System for Speech Intelligibility Measurement", Rekacipta 2007.

11. **Bronze Medal**, "Intelligent Household Waste Paper and Plastic Sorting System", Rekacipta 2007.

12. **Bronze Medal**, "Intelligent Diagnosing System for Voice Disorders", Rekacipta 2007.

13. **Gold Medal**, "Intelligent Sensor for Reversing Vehicles", Brussels Eureka 2008.

14. **Gold Medal**, "Intelligent Diagnosis System for Voice Disorders", ITEX 2008.

15. **Gold Medal**, "Thought Controlled Rehabilitative Wheels for People with Special Needs", Rekacipta 2008.

16. **Silver Medal**, "An Intelligent Engine Fault Diagnosing System", Brussels Eureka 2008.

17. **Silver Medal**, "An Intelligent Embedded System for Motorbike Fault Diagnosis", MTE 2008.

18. **Bronze Medal**, "An Intelligent Real Time System for Converting Sign Language into Voice", MTE 2008.

19. **Silver Medal**, "An Intelligent System for Voice Disorders", Geneva 2009.

20. **Silver Medal**, "Brain Controlled Rehabilitative Wheelchair for People with Special Needs", ITEX 2009.

21. **Gold Medal**, "Intelligent Brain Interface for a Robot Chair", Pecipta 2009.

22. **Gold Medal**, "An Intelligent Gesture to Voice Communication System for the Hearing Impaired", Rekacipta 2009.

23. **Gold Medal**, "Voiceless Voice: An Intelligent Communication System for Physically Retarded Communities", Rekacipta 2009.

24. **Gold Medal**, "An Intelligent Non Destructive Damage Detection System", Rekacipta 2009.

25. **Gold Medal**, "A Biometric Authentication System using Brain Signature", Rekacipta 2009.

26. **Gold Medal**, "Bimodal Rehabilitation for the Voice and Movement Impaired using Brain Signals", Rekacipta 2009.

27. **Bronze Medal**, "An Intelligent Biomodal Rehabilitative for the Voice and Movement Impaired using Brain Signals", MTE 2010.

28. **Bronze Medal**, "An Intelligent Non Destructive Damage Detection System", MTE 2010.

29. **Silver Medal**, "Voiceless Voice: An Intelligent Communication System for Physically Retarded Communities", MTE 2010.

30. **Bronze Medal**, "Intelligent Hand Gesture Movement Controlled Robot", ENVEX 2010.

31. **Bronze Medal**, "Mobile Robot Controls using Brain Signal", ENVEX 2010.

32. **Gold Medal**, "Intelligent Sign Language to Voice Communication System for Hearing Impaired", ITEX 2010.

33. Most Innovative Design, Gold Medal, "Motor Bike Fault Diagnosing System using Neural Networks", USM-MOTOROLO Design Competition 2007.

34. **Silver Medal**, "Intelligent Sign Language to Voice Communication System for Hearing Impaired", Geneva 2011.

35. **Silver Medal**, "**An** Intelligent Communication System for Neuromuscular Disorder Patients", Rekacipta 2011.

36. **Bronze Medal**, "**An** Intelligent Communication System for Neuromuscular Disorder Patients", PECIPTA 2011.

37. **Gold Medal,** "An Intelligent Thought Controlled Communication System for Differentially Enabled Communities", Rekacipta 2012.

38. **Silver Medal**, "An Intelligent Thought Controlled Communication System for Differentially Enabled Communities", PECIPTA 2013.

39. **Gold Meda**l, "An Intelligent Robot Chair with Communication Aid for Neuromuscular disorder patients (IRCC)", Rekacipta 2014, 5th Feb 2015.

40. **Silver Medal**, "An Intelligent Hearing Ability Level Assessment System , Rekacipta 2014, 5th Feb 2015.

41. **Gold Medal**, "An Intelligent Robot Chair with Communication Aid for Neuromuscular disorder patients (IRCC)", ITEX 2015.

42. **Silver Medal**, "Silver Medal for the product "An Intelligent Non-Destructive Glass Fibre/Matrix Volume Fraction Determination System", Rekacipta 2014, 5th Feb 2015.