

Mithun Haridas T. P.



ASSISTANT PROFESSOR
Department of Electronics
Cochin University of Science
and Technology

Curriculum Vitae

Experience

Industrial 3 years

Teaching 2.5 years

Projects Done

UG 2

PG 2

Professional Training

Seminar 2

Workshops 8

FDPs 2

STTPs 2

Conferences

Attended 5

Organised 4

Project Guidance

UG 2

PG 6

Awards & Achievements

Best Paper Award 1

Gate Score 3

Publications

International Journal 1

International Conference 1

Teaching

Projects Done

Training Experience

Conferences

Projects Guided

Achievements

Publications

Curriculum Vitae of Mithun Haridas T. P.

- 1. Name** : MITHUN HARIDAS T. P.
2. Address : Assistant Professor
Department of Electronics
Cochin University of Science and Technology, Kochi
Kerala, INDIA
Email: mithuntp@cusat.ac.in
Mobile: +91-9447096888
3. Date of Birth : 20/12/1987

4. Academic Qualifications:

Degree	University	Year of passing	Subjects/ Specialization	Class
M.Tech	Amrita Vishwa Vidyapeetham, Coimbatore	2012	Embedded Systems	Distinction
B.Tech	University of Calicut	2010	Electronics and Communication	First Class

5. Professional Experience:

Designation	Institution	Period
Associate System Engineer	IBM India	30.08.2012 to 28.09.2015
Assistant Professor	Cochin University of Science and Technology, Kerala, INDIA	30.09.2015 to till date

6. Organizational Positions Held

- Assistant Professor, Department of Electronics, Cochin University of Science and Technology, Kerala, INDIA
- Member, Committee for monitoring, updating and maintaining the official website of the Cochin University of Science and Technology
- Member, Passing Board (M. Tech. & M. Sc.), Department of Electronics, Cochin University of Science & Technology, Kochi
- M. Sc. Syllabus Revision Committee member, Cochin University of Science & Technology, Kochi
- Secretary, PTA, Department of Electronics, Cochin University of Science & Technology, Kochi

7. Scholarships

- GATE – 2010 Scholarship for a period of two years (2010-12) during M. Tech
- GATE – 2016 qualified for the period 2016-2019

8. Fields of Research and Teaching:

- Machine Learning
- Digital Signal & Image Processing
- Embedded Systems
- Digital System Design

9. Projects Undertaken:

Sl. No.	Title	Institute	Level	Duration
1	Low cost Embedded System solution for AMRITA Insulin Pump	AMBE Research Center (Amrita Bio-Medical Engineering Research Center), Coimbatore	PG	30.05.2011 to 27.07.2012
2.	Smart Home using Wireless Sensor Network	Amrita School of Engineering, Coimbatore	PG	6months
3.	SD RAM Controller	CUIET, University of Calicut	UG	6months
4.	Intelligent Audio Muting System in Car	CUIET, University of Calicut	UG	6months
5.	Intelligent Alert system to provide Medical Assistance for Accident victims	DoE, CUSAT	PG	01.01.2016 to 30.04.2016
6.	An Assistive Reading system for visually impaired people	DoE, CUSAT	PG	01.01.2016 to 30.04.2016
7.	Object Recognition for visually impaired	DoE, CUSAT	PG	01.01.2016 to 30.04.2016
8.	Intruder Detection for Video Surveillance Using Machine Learning	DoE, CUSAT	PG	04/12/2017 to 27/04.2018
9	Hand Gesture recognition and control systems using Deep Learning	DoE, CUSAT	PG	04/06/2018 to Till date
10	Parking lot management using image/video analytics	DoE, CUSAT	PG	04/06/2018 to Till date

10. Professional Training Experience:

Sl. No.	Title	Institution/Organizer	Duration
1	Training programme on Automotive Embedded Systems, Bosch Diesel Fuel Injection System, Gasoline System and Vehicle Diagnosis	Bosch India, Bangalore	20.10.2011 to 22.10.2011
2	Workshop on “Computing Technologies for Power Systems”	Amrita Vishwa Vidyapeetham	13.12.2010 to 17.12.2010
3	Course on “Fundamentals of Neuroscience Part 2: Neurons and Networks”, a course of study offered by HarvardX, through edX.	HarvardX edX Online Course	Certificate Issued on January 14th, 2015

4	Workshop on “Computational Electromagnetics”	DoE, CUSAT	07.12.2015 to 09.12.2015
5	Workshop on Facilitating Innovation and Patent Filing	IUCIPRS and MHRD Chair on IPR, CUSAT	16.12.2015
6	Faculty Development Program on “Machine Learning Algorithms using Python”	Intel Higher Education and NITTTR Chandigarh	24/07/2017-28/07/2017
7	“NVIDIA GPU Programming - CUDA” workshop	DCA, CUSAT	25/09/2017 to 26/09/2017
8	“Deep Learning – A deep dive: From Basics to Advanced” workshop	DoE, CUSAT	08/12/2017
9	NVIDIA Deep Learning Institute Workshop on “Image Classification, Object Detection, Neural Network Deployment with DIGITS and TensorRT”	DoE, CUSAT	12/12/2017
10	“GPU-CUDA Programming” workshop	DoE, CUSAT	13/12/2017
11	“Signal Processing from Fundamentals to Challenges” – Faculty Development Program	RSET and KTU	09/07/2018 – 13/07/2018

11. Conferences & Workshops Attended:

- **“National Conference on Power Electronics in Sustainable Energy Development”** conducted by Amrita School of Engineering at Coimbatore during 19-20 December, 2011
- **“International Conference on Wireless Technologies for Humanitarian Relief”**, conducted by Amrita Vishwa Vidyapeetham at Coimbatore during 18-21 December, 2011.
- **“Workshop on Signal Processing for Biomedical Applications”** conducted by Amrita School of Engineering, AMBE-Biomedical Engineering and Center for Industrial Research and Innovation (ACIRI), Coimbatore during 16 to 18 February, 2012
- **“International Conference on Renewable Energy”** conducted by Amrita School of Engineering Coimbatore during 09 to 10 March, 2012.
- **“Workshop on Advances in Signal and Image Processing”** conducted by Amrita School of Engineering Coimbatore during 30 May to 02 June, 2012
- **“International Conference on Women in Computing”** conducted by Amrita School of Engineering Coimbatore during 09 to 11 January, 2013
- **IBM Share Net 2014** held on 14/07/2014 at IBM, Bangalore
- **IBM Share Net 2015** held on 09/01/2015 at IBM, Bangalore
- **“Sympol 2015 International Symposium on Ocean Electronics”** conducted by Department of Electronics, Cochin University of Science and Technology during 18 – 20 November, 2015
- Workshop on **“Dynamic Analysis of Programs”** organised by Division of Information Technology, School of Engineering, Cochin University of Science

and Technology on 13 January 2016.

- “**Induction programme for newly recruited teachers**”, conducted by Cochin University of Science and Technology during 15, 16 February 2016.
- Workshop on “**Advances in Technologies for Sustainable Development**” conducted by Department of Electronics, CUSAT on 11th May 2016
- Seminar on “**Modeling and Simulation of Mechanical / Mechatronics Systems Using MATLAB and Simulink**”, conducted by MathWorks India Private Limited on 3 August, 2016
- “**International Conference on Data Science and Engineering (ICDSE)**”, conducted by Department of Computer Science, CUSAT during 23-25 August 2016
- International Conference on Computer Communication and Informatics (ICCCI -2017), Jan. 05 – 07, 2017

12. Symposiums Organized:

- “**Sympol 2015 International Symposium on Ocean Electronics**” conducted by Department of Electronics, Cochin University of Science and Technology during 18 – 20 November, 2015
- “**Sympol 2017 International Symposium on Ocean Technology**” conducted by Department of Electronics, Cochin University of Science and Technology during 06 – 08 December, 2017

13. Awards and Achievements

- Best paper award for the paper “Reliable and Affordable Embedded System Solution for Continuous Blood Glucose Maintaining System with Wireless Connectivity to Blood Glucose Measuring System”, in Amrita International Conference of Women in Computing, AICWIC-2013 held at Amrita Vishwa Vidyapeetham 09 to 11 January, 2013.
- Qualified GATE 2010, 2016

14. List of Publications

- Mithun Haridas.T.P, Naveen.R, Ananthanarayanan.V, Rajeswari.A, “Reliable and Affordable Embedded System Solution for Continuous Blood Glucose Maintaining System with Wireless Connectivity to Blood Glucose Measuring System”, *IJCA Proceedings on Amrita International Conference of Women in Computing - 2013 AICWIC(2)*:Pp 36-43, January 2013.
- Mithun Haridas T.P, Nicky Kattukkaran, Arun George, “Intelligent Accident Detection and Alert System for Emergency Medical Assistance”, International Conference on Computer Communication and Informatics (ICCCI -2017), Jan. 05 – 07, 2017

15. Online Courses/Certificates

- edX Honor Code Certificate for “**Fundamentals of Neuroscience Part 2: Neurons and Networks**”, a course of study offered by HarvardX, an online learning initiative of Harvard University through edX, Issued on January 14th, 2015



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