




COLLEGE OF ENGINEERING ADOOR
FACULTY PROFILE

1. Personal Details

Name: Dr Sreeja P	
Designation: Assistant Professor	
Department: Electrical & Electronics Engineering	
Ph: 9497358915	
Email id: sreejajayakumar@gmail.com , sreeja@cea.ac.in	

Residential Address	Thiruvonam, Sreenagar-230, Vadakkevila PO, Kollam-691010
Date of Birth	18.11.1973
Adhar No	476475147600

2. Areas of Interest

Power Electronics, Digital Image Processing, Machine Learning

3. Courses Handled

UG	PG
Electrical Machines	
Power Electronics	
Control systems	
Electric Circuit Theory	
Basic Electrical Engineering	
Electric Drives	
Electrical Machines Lab	
Circuits and Measurements Lab	
Power Electronics Lab	
Measurements & Instrumentation	
C Programming & Programming Lab	

4. Academic Details (In Reverse Chronological Order)

Degree	Specialization	Name of the Institute/ University	Month and Year of Passing
--------	----------------	--------------------------------------	------------------------------



**COLLEGE OF ENGINEERING ADOOR
FACULTY PROFILE**

Ph D	Digital Image Processing	University of Kerala	February 2021
M. Tech	Electric Drives and Control	University of Pondicherry	June 2008
B. Tech	Electrical & Electronics Engineering	University of Kerala	October 1995

5. Experience (In Reverse Chronological Order)

Name of the Institution	Post Held	From	To
College of Engineering, Adoor	Assistant Professor	23.02.2018	Till date
College of Engineering, Chengannur	Assistant Professor	02.07.2004	22.02.2018
College of Engineering, Chengannur	Lecturer	02.07.2004	31.12.2005
College of Engineering, Adoor	Lecturer	27.09.1999	01.07.2004

6. Research Publications (Journals)

International Journals	
1.	S. P and H. S, "Three-dimensional fusion of clustered and classified features for enhancement of liver and lesions from abdominal radiology images," IET Image Processing, May 2019.
2.	S. P. and H. S., "An improved feature based image fusion technique for enhancement of liver lesions," Biocybernetics and Biomedical Engineering, vol. 38, no. 3, pp. 611-623, 2018
3.	Sreeja P, Hariharan S, "Detection of hepatocellular carcinoma using a new approach in multi-resolution analysis of CT images ", IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE) e-ISSN: 2278-1676,p-ISSN: 2320-3331 PP 06-11 www.iosrjournals.org
4.	Sreeja P, Hariharan S , A Technique for the Detection of Cystic Focal Liver Lesions from Abdominal Images", International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 - 8958, Volume-4 Issue-6, August 2015
National Journals	
International Conferences	



COLLEGE OF ENGINEERING ADOOR
FACULTY PROFILE

1.	International Conference on Internet of Things for Technological Development , Sathyabhama ViswaVidyalaya , Gandhi Nagar India 1&2 April 2017
2.	International Conference on Future Technology IFET, College of Engineering, Perumon, October 2016

7. Books/ Book Chapters Authored

1.	P Sreeja, S Hariharan, "Image analysis for the Detection and Diagnosis of Hepatocellular Carcinoma from Abdominal CT Images", Lecture Notes in Network and Systems, pp 107-117, Oct 2017
----	--

8. Membership in Professional Bodies

1.	Life Member, ISTE
----	-------------------

9. FDP/ Conference/ Seminars Co-ordinated

1.	Coordinated FDP on Deep Learning at College of Engineering Adoor from
----	---

10.FDP/ Conference/ Seminars Attended

1.	Advanced Field theory and related software in Electrical Engineering, College of Engineering Thiruvananthapuram 12-11-2001 to 24-11-2001
2.	Recent development in Power System Operation and Control, Government College of Engineering Kannur 19-01-2004 to 1-02-2004
3.	AICTE- ISTE short term course on Advances in Electronic Communication Systems, TKM, College of Engineering Kollam 15-03-2004 to 27-03-2004
4.	Signals and Communication Systems, Rajiv Gandhi Institute of Technology Kottayam, 07-02-2005 to 21-02-2005
5.	Impact of recent trends and techniques in the processing of digital images, College of Engineering Karunagapally 2-05-2013 to 15-05-2013
6.	Recent Advances in Biomedical Engineering, College of Engineering Thiruvananthapuram 10-11-2014 to 15-11-2014



COLLEGE OF ENGINEERING ADOOR
FACULTY PROFILE

7.	Recent Issues in Biomedical Research, College of Engineering , karunagappli, 29.07.2015 to 31.07.2015
8.	Linear Algebra and Applications, College of Engineering , karunagappli, 28.10.2015 to 30.10.2015
9.	Advanced Data Mining & Pattern Recognition, College of Engineering , Perumon, 30.11.2015 to 04.12.2015
10.	IoT, Machine Learning & Deep Learning, TCS Trivandrum, 23.10.2017
11.	Technical Writing for Academicians & Researchers, College of Engineering Thiruvananthapuram 24-07-2017 to 28-07-2017
12.	Convex Optimization: Theory, Algorithms & Applications, Indian Institute of Science, Bangaluru, 11-12-2017 to 15-12-2017

10. Academic Responsibilities Undertaken

1.	Question Paper, Scrutiny Member, Synchronous and Induction Machines and Power Electronics, APJ KTU
2.	Staff Advisor 2018-22 Batch, College of Engineering, Adoor
2.	Staff Advisor 2009-2013 Batch, College of Engineering, Chengannur
3.	Head of Department, Department of Electrical Engineering, 2010-2014, College of Engineering, Chengannur
4.	Faculty in Charge, Electrical Machines Lab, 2001-July 2004, College of Engineering, Adoor
5.	Faculty in Charge, Electrical Machines Lab, 2004-July 2006, 2008 to 2011, College of Engineering, Chengannur
6.	Faculty in Charge, Basic Electrical and Measurements Lab, 2018-July to till date, College of Engineering, Adoor
7.	Member, Question paper scrutiny for Electric Drives, Kerala Technological University
8.	External examiner, comprehensive viva voce, College of Engineering, Karunagappli, May 2019



**COLLEGE OF ENGINEERING ADOOR
FACULTY PROFILE**

9.	External examiner, CUSAT Lab Examinations, 2002 to 2006
----	---

11. Non-Academic Responsibilities Undertaken

1.	Faculty in Charge, Electrical Maintenance cell, 2004-July 2006, 2008 to 2010 College of Engineering, , Chengannur
2.	Placement Officer, August 2022 onwards, College of Engineering, Adoor