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Ms.Deepa R

Assistant Professor

Department of Computer Applications

College of Engineering Vadakara

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Qualifications:

- MCA
- (Doing PhD)

Experience:

- Working as Assistant Professor in College of Engineering Vadakara since 07/03/2011.
- Worked as Guest Lecturer(on contract basis) for eight years.
- Total service: 18years

Areas of Interest:

- Image Processing

Positions held:

- IQAC Member, Nodal Officer NAD in 2019-2020.
- Tutor -2017 MCA Batch
- KTU Committee Member in 2018-2020.
- PTA Committee Member in 2018-2019
- Member PTA Committee, Member Career Guidance and Placement Cell in 2017-2018.
- Staff Advisor College Union in 2016-2017.
- Member Discipline Committee in 2016-2017.
- Tutor 2015 batch
- Member admission committee yearly.
- Convenor - Grievance and Redressal Cell, Member Placement Cell in 2015-2016.
- Member College Council from 2011 to 2016.
- HoD, Dept. of Computer Applications from 2011 to 2016.

Subjects Taught:

- Operating Systems
- Digital Fundamentals

- Software Engineering
- Computer Graphics
- E-Commerce
- Computer Networks
- Software Testing
- Computer Organization
- System Design Lab

Projects Guided:

- EASY RECRUIT.
- SOCIAL MEDIA CALENDER.
- INVOICE GENERATION PLUGIN.
- LIFE HIS.
- OFFICE AUTOMATION SYSTEM.
- CABLE OPERATOR MANAGEMENT SYSTEM.
- PROXIMA FIND YOUR NEEDS.
- XPENSE PRO.

Publications:

- Deepa R, N.K. Narayanan “A Review on Automated Detection and Classification of Diabetic Retinopathy” International Journal On engineering Technology and Sciences- IJETS ISSN(P): 2349-3968, ISSN(O): 2349-3976 Volume V, Issue IX, September-2018.
- Deepa, R., and N. K. Narayanan. "Detection of microaneurysm in retina image using machine learning approach." In *2020 International Conference on Innovative Trends in Information Technology (ICITIIT)*, pp. 1-5. IEEE, 2020.
- Deepa, R., and N. K. Narayanan. "Retinal Microaneurysm Detection by CNN." In *IOP Conference Series: Materials Science and Engineering*, vol. 1099, no. 1, p. 012057. IOP Publishing, 2021.

Training Programmes Organised:

- Nil

Training Programmes Attended:

- Soft Computing Theory and Techniques at NIT Calicut from 21-05-2012 to 25-05-2015.
- Digital Image Processing “Computer Vision-2013” at College of Engineering Vadakara from 09-09-2013 to 13-09-2013.
- INTELLIGENT SYSTEMS(IS-2013) at College of Engineering Vadakara from 21-10-2013 to 25-10-2013.
- Vedic Mathematics at College of Engineering Vadakara from 25-11-2013 to 29-11-2013.

- E-Resources Management: tools, techniques and best practices at College of Engineering Vadakara from 25-04-2014 to 27-04-2014.
- DSP and Control Systems: Principles and Approaches at College of Engineering Vadakara from 01-12-2014 to 06-12-2014.
- Research Methodology for Science, Engineering and Management at NIT Calicut from 25-05-2015 to 30-05-2015.
- PROGRAMMING SKILL DEVELOPMENT IN MATLAB AND ADVANCE TECHNICAL WRITING USING LATEX at College of Engineering Vadakara from 10-08-2015 to 14-08-2015
- Technology Enabled Learning at IIM Kozhikode from 19-08-2015 to 23-08-2015.
- Emerging Research Trends in Computer Science at Mary Matha arts and Science College Mananthavady Wayanad from 15-10-2015 to 17-10-2015.
- Computer Networking and Management at College of Engineering Vadakara from 16-11-2015 to 20-11-2015.
- Administering Network Components And Infrastructure Servers at College of Engineering Vadakara from 23-11-2015 to 27-11-2015.
- Recent Trends and Techniques in Digital Image Processing at College of Engineering Vadakara from 30-11-2015 to 05-12-2015.
- DATA MINING AND ITS APPLICATIONS at College of Engineering Vadakara from 04-04-2016 to 09-04-2016.
- Management Development Program at IIM Kozhikode from 23-05-2016 to 28-05-2016.
- Faculty Development Program at IIT Madras from 29-09-2016 to 01-10-2016.
- MATLAB-The Power behind the L-Shaped Membrane at GCE Kannur from 09-01-2017 to 13-01-2017.
- Digitalization and Data Analytics: Challenges and Opportunities at GCE Kannur from 11-03-2017 to 13-03-2017.
- Emerging Fields of Mathematics for Researchers at College of Engineering Thalassery from 18-12-2017 to 22-12-2017.
- Machine learning at CUSAT from 22-06-2018 to 24-06-2018.
- Image Processing and Computer Vision at GCE Kannur from 10-12-2018 to 15-12-2018.
- Machine learning Techniques and Tools at College of Engineering Vadakara from 24-07-2019 to 26-07-2019.
- Python for Signal and Image Processing at GCE Kannur from 20-01-2020 to 25-01-2020.
- International webinar on “Artificial Intelligence and its Global Applications” at University of kerala from 15-03-2021 to 20-03-2021.
- FDP on Recent Trends in Image Processing at College of Engineering Vadakara from 25-03-2021 to 27-03-2021.
- FDP on smart grid monitoring and stability: a microgrid perspective at College of Engineering Vadakara from 24-07-2021 to 28-07-2021.

Professional Body Memberships:

- Life Member of The Indian Society for Technical Education (ISTE)