Name   :   Ms Deepthi M Pisharody

Designation   :   Asst Professor

Email Id   :   deepthi.saji@prajyotiniketan.edu.in

Educational qualifications : M Sc Computer Science

Experience in other academic institutions   : 6 Months

Publications (with details)

(a) Books -Nil

(b) Papers - 8

PAPER PUBLISHED

i.   **International**
- **Text localisation from Natural Scene Images: – Comparison of various preprocessing and edge detection methods" "International Journal of Engineering Research and Technology Vol 3 pp 105- 107, July 2015**
- **"Spatial Filtering Techniques to Enhance Traffic Images in Kerala – A Study " International Journal of Engineering Trends and Applications (IJETA)** in Nov 2016 Volume Number 3 Issue 6, **ISSN: 2393- 9516** & **ISO 3297-2007**

ii. **National**

- "**An Improved Algorithm for Removal of Salt and Pepper Noise**", proceedings of National Seminar on Cyber Law and Cyber Forensic. Sree Sankara Vidya Peedom Mallappuram, 13th -14th August 2012.
- "**Cloud Computing Implementation for an Educational Institution- A Study",** proceedings of National Seminar on Cloud Computing & Cloud Security, St. Joseph's College, Irinjalakuda, July 2014.
- "**Smoothening Algorithm for Removal of Salt and Pepper noise**", proceedings of National Conference on Computer Science and its Applications NCCSA15, Prajyoti Niketan College, Pudukad
- "**Text localisation from Natural Scene Images: – Comparison of various preprocessing and edge detection methods**" proceedings

of UGC Sponsored National Seminar onRecent Trends in Privacy Preservation Techniques in Data Mining, St. Joseph's College, Irinjalakuda, July 2015.

- **"Smoothening Algorithm for Removal of Salt and Pepper noise**", multi-disciplinary journal Andromeda published by Prajyoti Niketan College, pp 22-27 Vol 1 September 2015
- " **IOT based teaching and technical management in a smart campus " Andromeda** in Nov 2018 Volume Number4 Issue 6, <u>**ISSN: 2455-0434 , pg 47-54**</u>

PAPER PRESENTED

International conferences/seminars

- Presented a paper entitled "**A Novel Approach To Preprocess Traffic Images**" in International Conference Entitled "Emerging Trends In Applied Mathematics And Computer Science Organised by Post Graduate Department Of Computer Science And Mathematics, St Thomas College, Thrissur On 13-14 December 2016.

National conferences/seminars

- "**An Improved Algorithm for Removal of Salt and Pepper Noise**", National Seminar on Cyber Law and Cyber Forensic. Sree Sankara Vidya Peedom Mallappuram, 13th -14th August 2012.
- "**Cloud Computing Implementation for an Educational Institution- A Study",** National Seminar on Cloud Computing & Cloud Security, St. Joseph's College, Irinjalakuda, July 2014.
- "**Smoothening Algorithm for Removal of Salt and Pepper noise**" , National Conference on Computer Science and its Applications NCCSA15, Prajyoti Niketan College, Pudukad
- "**Text localisation from Natural Scene Images: – Comparison of various preprocessing and edge detection methods**" UGC Sponsored National Seminar onRecent Trends in Privacy Preservation
- Techniques in Data Mining, St. Joseph's College, Irinjalakuda, July 2015.
- Presented a paper on the topic "Driver Distraction and Drowsiness

Detection-A study" at the Two day National Seminar on Crime against women:technology and crime against women organized by St Pauls College Kalamaserry on 13/01/2020 and 14/01/2020

Participation in Courses/ Seminars/ Workshops.

(a) International Seminars: 2
(b) National + Regional Seminars: 17+3

Workshops/Conferences Attended

- Workshop on scientific computing with Python at UC College, Aluva on July 29-31.
- One day workshop on "Biomedical Imaging with Emphasis On Fourier Analysis" at University of Calicut on 3rd October 2011.
- Two days workshop on Matlab for Image Processing at Prajyoti Niketan college on 20, 21 January 2012.
- Workshop on "E-Governance" at University of Calicut on 29th December 2012
- UGC sponsored National seminar on "Ekphrastic patterns in arts and Literature" at Prajyoti Niketan College on 24th & 25th February 2012.
- UGC sponsored National seminar on "Representing the subaltern-An enquiry into neoliberal media scape" at Prajyoti Niketan College on 24th & 25th February 2012
- Two-day regional workshop on "Training E-Governance" at Prajyoti Niketan College on 15th & 16th March 2013
- UGC sponsored national Conference on "Cyber Law and Cyber Forensic" at Sree Sankara Vidya Peedam on 13th & 14th August 2013
- Regional workshop on "Intelligent machine past, present & future & Hingi Language Nature & possibilities" at KKTM Govt College on 24th October 2013
- UGC sponsored national Conference on "Soft Computing Technologies for Data Mining" at MES College Marampilly on 6th & 7th January 2014

- UGC Sponsored Two Day National Seminar on "Statistical pattern Recognition" at Prajyoti Niketan College on 27th and 28th January 2014
- Two day national seminar on cloud computing and Cloud security on 18-19 july 2014 at St Josephs college, irinjalakuda
- Two-day National conference on "Computer Science and its Applications" on 6-7 February 2015 at Prajyoti Niketan College
- UGC Sponsored National Seminar on Recent Trends in Privacy Preservation Techniques in Data Mining, St. Joseph's College, Irinjalakuda, July 2015.
- International Workshop on Advanced Learning Methodology Held at St Thomas College Thrissur On 23rd December 2016.
- International Conference Entitled "Emerging Trends In Applied Mathematics And Computer Science Organised By Post Graduate Department Of Computer Science and Mathematics, St Thomas College, Thrissur On 13-14 December 2016
- One Day Workshop on Android Application Development Organised By Department of Computer Science Vimala College & Computer Society Of Kerala On 14th January 2017
- Capacity Building Workshop of Scholar Support Programme At Sacred Heart's College, Chalakudy on 28th January 2017
- National seminar on Rough set theory with applications to data mining and cyber forensics, at KKTM Govt college, Pullut on 13th November 2017
- Attended one day faculty Development programme in the topic Art of writing research paper conducter by Vimala college in association with cscta on 24th march 2018
- Attended National Workshop on moodle organised by the IQAC in association with Department of Computer Science on 19th January 2019 at Prajyoti Niketan College, Pudukad.
- Two day National Seminar on Crime against women:technology and crime against women organized by St Pauls College Kalamaserry on 13/01/2020 and 14/01/2020

Extension Lectures

- Lecture on topic "Computer Organisation" at St Thomas College, Thrissur on 15 th January 2014
- Lecture on Topic "Data Structures and Algorithms" at St Thomas College, Thrissur on 22ndNovember 2014
- Lecture on Linear Data Structure At Ast Thomas College On November 19th 2016
- Lecture On non-Linear Data Structure At Thomas College On July 22nd 2017

Projects Funded and completed

- KSCSTE funded project of Rs 9500/- for project entitled "Automatic vehicle air filler system" for academic year 2017-18

Training / Courses attended

- 72 nd Orientation Course at Academic Staff College Calicut from 2 th March 2012 to March 29 th2012.
- Orientation for NSS Programe Officers at "Empanelled Training Institute for NSS" At Rajagiri College of Social Sciences, Kalamasery from 19-9-2012 to 25-9-2012
- Special Summer school at "HRDC Kerala Uiversity" from 28-5-2015 to 17-6-2015
- Attended GIAN course "Biomedical Imaging – Advanced FLIM – FRET Microscopy Techniques for Cancer Cellular Imaging" held at Dept. of Medical Physics, Anna University from 17.12.2018. – 22.12.2018
- Attended refresher course "Moocs and E content development" held at Pondicherry University HRDC from 22nd May 2019 to June 4th 2019.
- Attended Five-day handson FDP programme on "Machine Learning & Data Visualisation Using Python and MS Power BI" at Rajagiri College of Social Sciences from 4/2/2020 to 8/2/2020
- Attended 5 days workshop on Artificial Intelligence & Deep Learning conducted by leadingindia.ai a nation-wide initiative by Bennet University, Noida.
- Participated in a 7 Days Faculty Development Programme on "R Programming" from 4/5/2020 to 10/5/2020 organized by Department of Computer Science, St.Joseph's College (Autonomous), Irinjalakuda, in association with Spoken tutorial, IIT Bombay
- Completed an online workshop on Yoga and Health care, organized by

IQAC, Prajyoti Niketan college, Pudukad on 17-05-2020.

☐ Completed The FDP Program on Python Programming organized by Government College for Women, Kolar in association with Spoken tutorial, IIT Bombay from 5th to 11th June 2020.

Online courses completed under Swayam

Elite gold certificate for NPTEL online certification course on the topic "Introduction to Internet of Things" hosted by IIT Kharagpur

Online courses completed

- Completed an online course on BIG DATA Organized by Department of Computer Application, Sri Krishna Adithya College of Arts & Science, Coimbatore on 4-5-2020.
- **Completed "Machine Learning through FOSS"** Online Certification Programme conducted by ICFOSS from 21-05-2020 to 29-05-2020.
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Webinars Attended

- Webinar on Machine Learning hosted by IETE Mumbai with Pantech on 02-05-2020.
- Webinar on Image Processing using python, organised by Mount zion college of Engineering and Technology, Pudukootai with pantech solutions on 12-05-2020
- Webinar on Deep Vision for Autonomous self-driving cars, organised by University College for women, Kotti with pantech solutions on 14-05-2020.
- Webinar on Classroom to Online Platforms: Dealing with Transitions in Teaching learning methods, Organised b IQAC, Little Flower College, Guruvayur, on 23-05-2020.
- One day international online conference on topic Expanding Strategies of Teaching learning with Digital Proficiency, Organised by Little Flower College, Guruvayur in collaboration with Paramarsh Scheme, sponsored by UGC-NAAC on 28-05-2020.
- Attended the webinar on "Research Prospects in DeepLearning" conducted by the Department of Computer Science, Vimala College (Autonomous) on 6 Jun 2020.

Awards/ Recognitions received from various agencies.

Blood donor promoters award from IMA

1. **Involvement in Online academic activities:**

   - More than 50 Academic contents published in my YouTube Channel (https://www.youtube.com/channel/UCkkJbnm3eHlc1JvO2UZUvCA)

   - 4 Academic video contents for +2 Computer Science, Kerala State Syllabus

     In the Youtube link https://www.youtube.com/playlist?list=PLdiV6lGyGygWJKyfDr4CQ 0atk1db2sqUN

   - Was a resource person for an Online Faculty Development Programme named Reconnect & Teach Organized by Dept of Computer Science & IQAC, Prajyoi Niketan College, Pudukad.

   - Was resource person for 3 webinars conducted by ASAP, Kerala.

   - 3 Academic video contents in the ASAP official YouTube Channel. Links are

     o https://youtu.be/RrWzFvj8YMA

     o https://youtu.be/SmjQ2Mn_mpw

     o https://youtu.be/3Wl0F0qnGM8

   - My Online Contents are published in the Kerala State Higher Education Council website. Link http://167.172.224.184/kshec_learning/materials.php?course_id=15

2. **Experience/Role in conducting examinations :** Internal Examination Coordinator of Prajyoti Niketan College, Pudukad

3. **Countries visited   :** UAE, Qatar, Malaysia, Singapore

Extension work/ community service

   ☐ Had been the Program Officer, National Service Scheme, for three years at Prajyoti Niketan College, Pudukad, during 2012 – 2015.

Membership/ official position in academic, socio-cultural, voluntary organizations etc. details

- Member, BOS, IT, University of Calicut
- Member, Examination Board, University of Calicut
- Member, Question Paper Setter, Board, in various autonomous colleges and universities
- Nodal Officer, AISHE
- SSP coordinator
- Nodal officer, Admission

Efficiency as organizer, details of programs hosted.

- Coordinator of UGC sponsored National Conference in Computer science and its Applications at Prajyoti Niketan college, Pudukad.

- Technical coordinator for an Online Faculty Development Programme named Reconnect & Teach Organized by Dept of Computer Science & IQAC, Prajyoi Niketan College, Pudukad