

FACULTY PROFILE

Name : **Dr. A. DEEPA**
Qualification : M.Sc., M.Phil., NET., Ph.D.
Designation : Associate Professor & Head
Dept. of ELECTRONICS & COMMUNICATION SCIENCE
Years of Experience : **UG** : 16Yrs **PG** : 1Yr
Email Id : abideepz@gmail.com
Areas of Specialization : EMBEDDED SYSTEMS

Publications

1. S. ANANTHI, SUDHAMATHI .K, A. DEEPA, KRISHNASAMY PADMANABHAN, Bit Error Performance Study Of Variations Along The Spectrum For The Several Sub Carrier, International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249-8958, Volume – 8 Issue – 5S3, July 2019, pp 270 – 277,(Scopus), DOI : 10.35940/ijeat. E1060.0785S319,Impact factor; 3.543
2. A. Deepa, S. Ananthi*, K. R. Balaji and V. Vignesh, An instrument for instant identification of chromatic changes in chemical reactions, J. Indian Chem. Soc., Vol. 96, January 2019, pp. 1-4, Department of Network Systems and Information Technology, University of Madras, Chennai-600 025, Manuscript received online 27 August 2018, accepted 09 October 2018
3. A. Deepa, Dr. S. Ananthi, Dr. K. Padmanabhan, Arduino Based circuit Development Board for Detecting Colors using Color Sensor, Proceedings of the National Conference on Recent Advancements in Computer Science, Mathematics, Physics and Electronics (NCACMPE – 2018), ISBN: 978-81-936440-7-2.

4. A. Deepa, S. Ananthi and K. Padmanabhan, Color Based Detection in Clinical Diagnostic Methods Using a Portable and Simple Instrument, Intl. JI on Biomedical Engineering & Technology (IJBET), 2017, VOL.6(5), pp38-43, ISSN 0976-2965
5. A. Deepa, S. Ananthi and K. Padmanabhan, A Simple portable Color Identification and Matching Instrument Using AVR Microcontroller and a ProvoTech Sensor, American Journal of Embedded Systems and Applications, Science publishing group 2017, Vol.5(2), pp 3-20, doi:10.11648/j.ajesa.20170502.11;ISSN: 2376-6069(Print);2017
6. A. Deepa, V. Vignesh, S. Ananthi and K. Padmanabhan, Uses of an Integrated circuit novel sensor for Electro chemical measurement, SOJ Materials science & Engineering, March 2016, (symbiosisgroup), ISSN:2372-0964:if:3.8
DOI: <http://dx.doi.org/10.15226/sojmse.2016.00219>
7. A. Deepa, S. Ananthi and K. Padmanabhan, Simple Hardware for Color detection for Industrial Applications, JI. Of Inst. Soc. Of India, Vol.46(2) pp84-88. ISSN 0970-9983 (Serial No in UGC List: 45516 July.2016).

Papers Presented

1. A. Deepa presented a paper on “An Instrument for Instant Identification” at the “2nd International Conference on Advances in New Materials – ICAN – 2018” organized by the Department of Inorganic Chemistry, University of Madras, Guindy, Chennai – 25, during 8th & 9th June 2018.
2. A. Deepa presented a paper on “Arduino based circuit Development Board for Detecting Colors using Color Sensor” at the National Conference on ‘Recent Advancements in Computer Science, Mathematics, Physics and Electronics’ NCACMPE 2018, on 8th & 9th February 2018, at Bhaktavatsalam Memorial College for Women, Chennai – 80.

3. A. Deepa presented a paper on “Telemedicine Applications” at the DST sponsored National Workshop on ‘ Role of Information Technology in Scientific Research’ organized by Dept. of NS & IT, University of Madras during 24th and 25th April 2017.
4. A Deepa attended and presented a paper on “Colour Identification and matching in the production of objects in Industries” at the International Conference on Electrical, Communication and Computing (ICECC 2017) at Tagore engineering College, Chennai during 7-8 March, 2017.
5. A. Deepa attended and presented a paper on ‘Impedance change for Analysis and Identification of Chemicals using Optic Flash excited Spectrometry’ at the International Conference on Recent Trends in Analytical Chemistry (ICORTAC 2015), organized by Dept. of Analytical Chemistry, University of Madras during 28 – 30, December – 2015.
6. A. Deepa attended and presented a paper on “ Low Cost High Sensitivity Measurement in SPR Instrument Using Double Solar Cells” at the National Symposium on Instrumentation(NSI -40) organized by Instrument Society of India, IISc, Bangalore at Kumaraguru College of Technology, Coimbatore – 641 0494 during 30-10-2015 to 31-10-2015.
7. A. Deepa attended and presented a paper on “ Simple Hardware for Color detection for Industrial Applications” at the National Symposium on Instrumentation(NSI -40) organized by Instrument Society of India, IISc, Bangalore at Kumaraguru College of Technology, Coimbatore – 641 0494 during 30-10-2015 to 31-10-2015

Conferences/Workshops/Seminar/Webinars Participated

1. Participated in Faculty Development Program on “Architectural Planning and Detailing using AutoCAD (online FDP)” conducted by ICT Academy on 28th Aug to 01 Sep 2023.
2. Participated in the Five Day Faculty Development Program on “Microsoft Power BI Data Analyst Associate” conducted by ICT Academy on 09 Jan 2023 to 13 Jan 2023 at Bhaktavatsalam Memorial College for Women.
3. Participated in a Webinar on “Artificial Intelligence Coupled Devices- The Future of Healthcare” on 23/12/2021 organized by the Department of Electronics and Physics , Bhaktavatsalam Memorial College for Women.

4. Participated in a Five day Webinar on ‘ Pedagogical Learning Tools: Coping with Uncertainty’ from 15th – 19th July 2020 organized by the FACULTY OF EDUCATION, Dr. M.G.R. Educational And Research Institute, Tamil Nadu, Chennai – 95.
5. Participated in the online Webinar on ‘EFFECTIVE FACILITATING SKILLS – BEST PRACTICE’ organized by the Department of Electronics and Communication Science held on 16th May 2020, by JBAS COLLEGE FOR WOMEN, Chennai-18.
6. Participated in Webinar on “Teaching Learning process and blooms taxonomy” on 23/05/2020 organized by Department of electronics and communication science, Bhaktavatsalam Memorial College for Women.
7. Participated in the online International Webinar on ‘EVALUATION AND APPLICATIONS OF DEEP LEARNING CONCEPTS’ organized by the UG Department of Computer Science and PG Department of Information Technology, held on 21st May 2020, by Bhaktavatsalam Memorial College For Women, Chennai-80.
8. Participated and successfully completed the Three days National level Faculty Development Program on ‘ Opportunities & Challenges in Post Covid 19 era – Industry snapshot’ conducted by UG Department of Commerce – BPS, through online from 15th May to 18th May 2020, Nallamuthu Gounder Mahalingam College, Pollachi – 642 001.
9. Participated in the Webinar on ‘IoT – Challenges’ organized by the UG Department of Computer Science and PG Department of Information Technology, held on 30th May 2020, by Bhaktavatsalam Memorial College For Women, Chennai-80.
10. Participated in the National Level Webinar on ‘Win Life with Financial Planning’ organized by the Department of Corporate Secretaryship, held on 13th May 2020, by Bhaktavatsalam Memorial College For Women, Chennai-80.
11. Participated in the International Webinar on ‘NEXT GENERATION SEQUENCING METHODOLOGIES & APPLICATIONS’ organized by the PG and Research Department of Biochemistry, held on 25st May 2020, by Bhaktavatsalam Memorial College For Women, Chennai-80.
12. Participated in the online State Level Faculty Development program on ‘Online Teaching Methods and Pedagogy’ organized by the Department of Electronics & Communication Science, held on 07th May 2020, by Mar Gregorios College of Arts & Science, Chennai-37.
13. Participated in the Webinar on ‘Psychological Impact of COVID -19 Out break’ organized by the PG Department of Human Resource Management in association with

LIVE LIFE EDUCATION, held on 15th May 2020, by Bhaktavatsalam Memorial College For Women, Chennai-80.

14. Participated in the Webinar on 'Intellectual Property Rights' organized by the Department of Biochemistry and Department of Microbiology, with Chennai Softech held on 22nd May 2020, by Sengamala Thayaar Educational Trust Women's College, Mannargudi.
15. Participated in the National Webinar on 'MATLAB FOR BEGINNERS' organized by the Department of Electronics, held on 29th June 2020, by St. Joseph's College(Autonomous) Tirchirappalli, Tamilnadu.
16. Participated in the International Webinar on 'Human Robot Interactions aspects of Robotics' organized by the UG Department of Computer Science and PG Department of Information Technology, held on 29th May 2020, by Bhaktavatsalam Memorial College For Women, Chennai-80.
17. Successfully completed One Week Pedagogical Training for Teachers on Tools for Online Teaching Learning and Evaluation, from 1st July to 6th July 2020, organized by School of Mathematics Sciences, Swami Ramanand Teerth Marathwada University, Nanded.
18. Successfully completed **One Week Faculty Development Programme** on '**Entrepreneurship, Incubation and Innovation**' from June 23 – June 29, 2020 from Teaching Learning Centre, Ramanujan College, University of Delhi, Sponsored by **Ministry of Human Resource Development**, Pandit Madan Mohan Malaviya, National Mission on Teachers and Teaching.
19. Successfully completed **One Week Faculty Development Programme** on '**Open Source Tools for Research**' from June 08 – June 14, 2020, from Teaching Learning Centre, Ramanujan College, University of Delhi, Sponsored by **Ministry of Human Resource Development**, Pandit Madan Mohan Malaviya, National Mission on Teachers and Teaching.
20. Successfully completed **Two Weeks Faculty Development Programme** on '**Managing Online Classes and Co-Creating MOOCS:2.0**' from May 18 – June 03, 2020 from Teaching Learning Centre, Ramanujan College, University of Delhi, Sponsored by

Ministry of Human Resource Development, Pandit Madan Mohan Malaviya, National Mission on Teachers and Teaching.

21. Participated in the Mobile Making Workshop at Seethalakshmi Ramaswami College from 20th September to 21st September 2019, organized by PG and Research Department of Physic and PG Department of Electronics in collaboration with Robokart. Com & Innovation – Cell UMIC, IIT Bombay.
22. Participated in the International Seminar on Green Technology & IoT organized by the Department of Computer Science & Electronics and Communication Science held on 7th August 2019 by Justice Basheer Ahmed sayeed College for Women, Chennai – 18.
23. Participated in the National Conference on “Recent advancements in Computer Science, Mathematics, Physics and Electronics” on 8th & 9th February 2018, NCACMPE at Bhaktavatsalam Memorial College for Women, Chennai – 80.
24. Participated in the National Workshop on “Pseudo Circuits and Mobile Applications” on 26th February 2016 at Bhaktavatsalam Memorial College for Women, Chennai – 80.
25. Participated in the National Workshop on “Intellectual Property Rights & Awariness sector” on 25th February 2016 at Bhaktavatsalam Memorial College for Women, Chennai – 80.
26. Participated in the National Workshop on “MATLAB & Its Applications” on 22nd & 23rd January 2016 at DRBCC Hindu College, Chennai – 72
27. Participated in the National Workshop on ‘Siemen’s Education Day’ on 24th April 2015 at Siemens & Vi micro Systems Pvt Ltd.
28. Participated in the National Workshop on ‘Fuzzy Logic and Android’ organized by the Department of Computer Science and Electronic Science on 27th January 2015 at Justice Basheer Ahmed sayeed College for Women, Chennai – 18.
29. Participated in the National Symposium on ‘Recent trends on Digital Communication & Wireless & Ad – hoc networks’ on 2nd & 3rd January 2015, at University of madras.
30. Participated in the National Workshop on “SPSS / MATLAB / CLASSROOM Strategies for Teaching Languages & Literature in Colleges” on 20th & 21st February 2014 at Bhaktavatsalam Memorial College for Women, Chennai – 80.

31. Participated in the International Conference on “Emerging Trends in Science & Technology ” on 1st & 2nd March 2013 at Bhaktavatsalam Memorial College for Women, Chennai – 80.
32. Participated in the National Workshop on “Research methodology & Statistical tools” on 15th & 16th February 2013 at Bhaktavatsalam Memorial College for Women, Chennai – 80.

Memberships (such as Academic Council, BoS, Editorial Board)

1. Member for the Board of Studies, for Syllabus Revision - Department of Electronics & Communication Science, University of Madras held during January 2020.
2. Member in the constituted Board of Studies in Electronics Science (UG & PG), Thiruvalluvar University, Vellore, for a period of three years from 11.03.2015 to 10.03.2018.

Other Achievements (such as Resource Person , Chief Guest)

1. As a resource person on the topic ‘ Learning Management System: A Guide for the Teaching League’ in the National Webinar entitled ‘ PEDAGOGICAL LEARNINGTOOLS: COPING WITH UNECERTAINTY’ on 18th July 2020, organized by the FACULTY OF EDUCATION, Dr. M.G.R. EDUCATIONAL AND RESEARCH INSTITUTE, DEEMED TO BE UNIVERSITY.
2. As Judge for the Science Exhibition ‘Vigyana Pradarshini’ held on 11th October 2014, at Dr. Nalli Kupuswami Vivekananda Vidyalaya Junior College, Chennai – 80.