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Name: Mrs. B Niraimathi
Department: Physics and Electronics
Designation: Assistant Professor, Head of the Department
Qualifications: BE (ECE), M. Tech (Digital Systems and Computer Electronics), (Ph. D).
Teaching Experience: 28 years
Academic Positions: Vice-Principal
Head, Department of Physics and Electronics
Chairperson, Board of Studies in Physics, BVC
Chairperson, Board of Studies in Electronics, BVC
Chairperson, Board of Studies in Data Science, BVC
Member, Academic Council, BVC
Member, Finance Committee, BVC
IQAC Coordinator
Coordinator, NAAC Screening Committee
In-charge, NAAC Criterion 5, BVC
Coordinator, Faculty of Physical Sciences
Coordinator, Physical Sciences Admission Committee
Coordinator, Student Council
Coordinator, ICC
Coordinator, Grievance, Redressal Committee, BVC
Coordinator, Antiragging Committee
Coordinator, Alumni Association, BVC
Member, Research Cell, BVC
Member, Planning and Development Cell, BVC

Area of Interest: Digital System Design, Embedded System, Image Processing

❖ **Publications:**

1. Mahendra, M V S., Seema Ghosh, **B Niraimathi** (2018), “Assessment of Quality Enhancement – Role of NAAC”, *Newman International Journal of Multidisciplinary Studies*, Vol 5, 2348-1390.
2. A. Muhil, **B Niraimathi** (2017), “Smart Home and IOT Based Building Automation”, *International Journal of Advance Research in Science and Engineering* Vol 06, Special Issue (01), September 2017, BVCNSCS 2017, 2319-8346
3. Anju. S, **B Niraimathi** (2018), “A Contemplative Review: Alumnus contribution and Engagement with Alma mater”, *Newman International Journal of Multidisciplinary Studies*, Vol 5, 2348-1401.

❖ **Papers presented:**

1. Presented a paper titled “Assessment of Quality Enhancement – Role of NAAC”, in the National Seminar on “Revised NAAC Framework: The Road Ahead Towards Excellence in Quality Education”, held on 21st April, 2018, organized by Bhavan’s Vivekananda College of Science, Humanities and Commerce.
2. Presented a paper titled “A Contemplative Review: Alumnus contribution and Engagement with Alma mater”, in the National Seminar on “Revised NAAC Framework: The Road Ahead towards Excellence in Quality Education”, held on 21st April, 2018, organized by Bhavan’s Vivekananda College of Science, Humanities and Commerce.
3. Presented a paper titled “Smart Home and IOT Based Building Automation”, in the Two day National Seminar on “Internet of Things”, held on 7th & 8th September 2017, organized by Bhavan’s Vivekananda College of Science, Humanities and Commerce.

❖ **Workshops/ Refresher courses /Training programs Attended:**

1. Awareness Workshop - NIRF India Rankings-2021 for Higher Education Institutions organised by Indian Academia Excellence & Collegiate Education and Technical Education Department, Govt of Telangana on 18th & 19th January, 2021
2. 5 Day STTP on MATLAB Based Teaching-Learning in Mathematics, Science & Engineering organised by Ramrao Adik Institute of Technology in Association with DesignTech Systems Pvt. Ltd, Mumbai, 18th to 22nd May 2020
3. STTP on "Hands on Approach for Design and Implementation of Digital Circuits using open source CAD tools – II organised by SRM Valliammai Engineering College from 2nd to 7th November 2020
4. RBCDSAI's International Summit on Data Science and AI/Robert Bosch Centre for Data Science and Artificial Intelligence organised by IITMadras from 18th to 20th June, 2020.
5. 5 Days Online Short Term Program on "Applications of Machine Learning and Deep Learning Techniques in Multidisciplinary Area" organised by NIT Karnataka, Surathkal from 16th to 20th November 2020

6. Course on “DSP Using MATLAB” conducted by NIELIT, Gorakhpur from 6th to 31st July 2020.
7. FDP on Scilab-Computational Software organised by Govt. Degree College for Women, Begumpet from 8th to 13th June 2020
8. National Level online FDP on "Quality Enhancement: Assessment and Accreditation" organised by St Ann’s College for Women from 23rd to 25th July 2020.
9. Webinar series: How to Build AI products?, Art of writing Research Paper, Beyond Accreditation, Blended Learning" organised by Excel Engineering College, Komarapalayam from 27th to 30th April, 2020
10. 7 Day online International Faculty Development Programme titled "Leadership Excellence" organised by Justice Basheer Ahamed Syeed College for Women from 17th to 23rd June 2020
11. 3 Day National online FDP titled "Quality Enhancement in Higher Education Institutions-Future Vision" organised by St Ann's College for Women, Mehdipatnam from 4th to 6th May 2020
12. 5 Day online FDP on "Building Competency for online Teaching" organised by BVC in collaboration with HRDC-HCU from 6th to 10th June 2020.
13. 3 Day online workshop on "Online Course Design, Development and Delivery" organised by HRDC, University of Hyderabad from 6th to 8th May 2020.
14. One day NAAC awareness webinar on “NAAC Assessment and Accreditation Process” organised by Osmania University in Association with NAAC, Bangalore on 19th August 2020.
15. Online webinar on "NAAC Criteria V, VI & VII: An insight into the Revised Accreditation Framework of NAAC" organised by Somaya Vidya Vihar on 30th November & 4th December 2020
16. National Level e-Workshop on “Virtual Labs in Physics and Electronics” organised by Aurora’s Degree and PG College on 3rd & 4th July 2020
17. STTP on Emerging Trends in Soft Computing Techniques for Control Systems Engineering Applications Organised by Department of E&I, Annamalai University, Chidambaram from 4th to 9th November 2019
18. Participated in “Regional Workshop on Research Based Pedagogical Tools” held in National Institute of Science Education and Research (NISER), Odisha from 27th to 29th October 2017
19. Attended a two day National Seminar on “Multifunctional materials & Applications” held at Dept. of Physics, O.U, Hyderabad on 28th and 29th March 2016
20. Participated in the National Conference on “Women in Science Education and Research: Challenges and Opportunities” held on 4th March 2016 at St. Ann’s College for Women, Hyderabad
21. Participated in a Two Day Workshop on “CBCS: Sustainance and Standardization of Examinations” organized by University College for Women, Koti, Hyderabad on 31st March and 1st April, 2016
22. Participated in the National Workshop on Material Characterization Techniques (NWMCT-2016) held during 28th and 29th September 2016 at the Department of Physics, Osmania University, Hyderabad

23. One day workshop on “Implementation of CBCS in Autonomous colleges” held at St. Joseph’s Degree and PG College on 25th July 2015
24. Attended a National Workshop on “Embedded Systems and Applications” held at Dept. of Physics Osmania University from 29th to 31st August 2015

❖ **Workshops-Organized:**

- **Convenor** – Workshop on “Experimental Physics” in Association with IAPT held on 22nd & 23rd March 2019.
- **Convenor** – National Level 5 Day Faculty Development Programme on Material Characterisation Techniques in Association with IAPT held from 2nd to 6th March 2021.
- **Coordinator** - National Science Day-2019 and 2020, BVC.

❖ **Invited Guest Lectures:**

Invited as Guest speaker at RBVRR Women’s College, Hyderabad on “VHDL Programming on 17th February 2020.