

## L.A.D. & Smt. R.P. College for Women, Nagpur

### FACULTY PROFILE

#### ❖ Basic Information

**Name:** Ms. Kanchan Bade

**Designation:** Associate Professor & Head

**Department:** Applied Electronics & Software Technology

**Area of Specialization:** Integrated Power System

**VIDWAN ID** – 144289

**ORCID ID** - 0000-0002-9646-4787

**Google Scholar ID** - hcVHbaMwAAAAJ&hl



❖ **Educational Qualifications:** B.E. ( Electrical Engineering)  
M.Tech. ( Integrated Power System)

❖ **Total Teaching Experience:** 23 Years

❖ **Research Publications**

#### (A) Research Papers in National/ International Journals

- ‘*Digital Signal Processing ( DSP ) Applications to Power System Protection*’ in Research Journal - Half Yearly Journal of Science, Arts, Social Science, Commerce, Home Science & Home Science Technology of L.A.D & Smt. R.P. College for Women, Nagpur ;Volume 2, No.(2), 2006, pp 1 – 6
- ‘*Protection of Transmission Lines using a Fault Locator* ’ in Research Journal - Half Yearly Journal of Science, Arts, Social Science, Commerce, Home Science & Home Science Technology of L.A.D & Smt. R.P. College for Women, Nagpur ;Volume 3, No.(2), 2007 - 2008, ISSN 0974 - 0317, pp 1 – 5
- ‘*Power System Protection – A Digital Signal Processing (DSP) Approach*’ in Research Journal - Half Yearly Journal of Science, Arts, Social Science, Commerce, Home Science & Home Science Technology of L.A.D & Smt. R.P. College for Women, Nagpur ;Volume 4, No.(2), 2008 - 2009, ISSN 0974 - 0317, pp 1 – 5
- ‘*Protection of Transmission Lines using a Digital Relay*’ in Research Journal - Half Yearly Journal of Science, Arts, Social Science, Commerce, Home Science & Home Science Technology of L.A.D & Smt. R.P. College for Women, Nagpur ;Volume 5, No.(2), 2009 - 2010, ISSN 0974 - 0317, pp 1 – 5
- ‘*Design of Filters for Digital Distance Relays*’ in Research Journal - Half Yearly Journal of Science, Arts, Social Science, Commerce, Home Science & Home Science Technology of L.A.D & Smt. R.P. College for Women, Nagpur ;Volume 6, No.(2), 2010 - 2011, ISSN 0974 - 0317, pp 1 – 4

- ‘*Digital Protection of Extra High Voltage ( EHV ) Transmission Lines*’ in Research Journal - Half Yearly Journal of Science, Arts, Social Science, Commerce, Home Science & Home Science Technology of L.A.D & Smt. R.P. College for Women, Nagpur ;Volume 7, No.(2), 2011 - 2012, ISSN 0974 - 0317, pp 13 - 17
- ‘*Digital Protection of Transmission Lines*’ in Research Journal - Half Yearly Journal of Science, Arts, Social Science, Commerce, Home Science & Home Science Technology of L.A.D & Smt. R.P. College for Women, Nagpur ;Volume 10, No.(2), 2014, ISSN 0974 - 0317, pp 1 – 5
- ‘*Power System Protection using Digital Signal Processing Approach*’ in Research Journal ( A Peer – reviewed Journal ) - Half Yearly Journal of Science, Arts, Social Science, Commerce, Home Science & Home Science Technology of L.A.D & Smt. R.P. College for Women, Nagpur ;Volume 11, No.(2), 2015, ISSN 0974 - 0317, pp 1 – 5
- ‘ *Protection of Transmission Lines using a Fault Locator*’ in AE International Journal of Multidisciplinary Research, Volume 4, Issue 3, May – June 2016, pp 17 – 20
- ‘*Smart Grid – An Intelligent Power System : Review and Future Challenges*’ in International Research Journal of Engineering and Technology (IRJET) Volume 07, Issue 04, April 2020, Impact Factor value – 7.529, e - ISSN : 2395 - 0056, p - ISSN : 2395 – 0072, pp 3910-3913
- ‘*Renewable Energy in India- An Overview and Future Prospects*’ in Compliance Engineering Journal, Volume 11, Issue 6, June 2020, Impact Factor value – 6.2, ISSN : 0898 - 3577, pp 35 – 41
- ‘*Detection of Brain Tumour using Image Processing*’ in Research Journal - Half Yearly Journal of Science, Arts, Social Science, Commerce, Home Science & Home Science Technology of L.A.D & Smt. R.P. College for Women, Nagpur ; Volume 16, No.(2), 2020, ISSN 0974 - 0317, pp 53 - 60  
( Co – Author )
- ‘*Artificial Intelligence - Applications and Relevance to Soft Computing*’ in Research Journal - Half Yearly Journal of Science, Arts, Social Science, Commerce, Home Science & Home Science Technology of L.A.D & Smt. R.P. College for Women, Nagpur ;Volume 17, No.(2), 2021, ISSN 0974 - 0317, pp 88 – 93 ( Co – Author )
- ‘*Footprints of Artificial Intelligence in Climate Change*’ in International Journal for Research in Applied Science & Engineering Technology – International Peer Reviewed Open - Access & Multidisciplinary online Journal, SJIF Impact Factor 7.538, ISRA Journal Impact Factor 7.894, Vol 12, Issue IV, April 2024, ISSN 2331 – 9653, pp 4972 – 4975 ( Co – Author )

## **(B) Conference / Seminar Proceedings**

- ‘*Inculcating Ethical Values in Today’s Gen Next - Need of the Hour*’ in the Proceedings of NAAC Sponsored **National Conference** on ‘New Guidelines for Assessment and Accreditation’ organized by IQAC Cell, L.A.D & Smt. R.P. College for Women, Nagpur, on 21 September 2019, ISBN 978-93-80985-21-3, pp 66 – 69 ( Co – Author )

### **❖ Orientation / Refresher Courses / FDPs Attended**

- U.G.C Sponsored Orientation Programme from 20 September 2006 to 17 October 2006 at Academic Staff College, RTMNU, Nagpur
- U.G.C Sponsored Refresher Course in Home Science from 27 February 2008 to 18 March 2008 at Academic Staff College, RTMNU, Nagpur
- U.G.C Sponsored Special Summer School from 25 July 2012 to 14 August 2012 at Academic Staff College, Nagpur
- U.G.C Sponsored One Week Short Term Course in Research Methodology from 28 August 2017 to 2 September 2017 at UGC – HRDC, RTMNU, Nagpur
- NEP Sensitization Short Term Course organized by MMTC-UGC from 16 to 30 March 2025

### **❖ Papers Presented in Conferences / Seminars :**

- Presented a Paper titled ‘*Artificial Intelligence Effect on Healthcare: A Review*’ on 7 May 2025 during an International Conference on ‘Advancements in Computing Technology and Applications (ICACTA-25)’ organized by Department of MCA, G.H. Raisoni College of Engineering and Management on 6 and 7 May 2025

### **❖ Administrative Responsibilities**

1. Chairperson - Board of Studies of Applied Electronics Technology, R.T.M. Nagpur University, Nagpur
2. IQAC Co Coordinator
3. CDC- Member
4. Head- Department of Applied Electronics & Software Technology
5. Nodal Officer of NIRF since 2021

### **❖ Membership of Professional Bodies**

- Member of Bharatiya Shikshan Mandal for the year 2025 – 2026 on 13 September 2025
- Member of Vidyapeeth Shikshan Manch affiliated to Akhil Bhartiya Rashtriya Mahasangh, New Delhi for the year 2021 - 2022

### **❖ Awards / Recognitions**

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❖ **Extension Activities / Community Engagement**

- Participated in various activities of NSS at college level & adopted village Mahurjhari

❖ **E-Content / MOOCs / ICT Use**

- Google Classroom

❖ **Other Relevant Information**

- Invited as **Judge** on 23 January 2024 of Model Making Competition 'Space to Create' organized by Creative Club of SMMCA for Secondary and Higher Secondary School students on 17 December 2023
- Invited to be a part of the **Performance Review of Teachers** at Shrinivas Public School, Nagpur on 5 July 2025