

CURRICULUM – VITAE

Name : **Dr. TARUN KUMAR KANADE**
Father's Name : Shri A. K. Kanade
Date of Birth : 28th March 1970
Address : 29/3A, Saket Nagar B.H.E.L, Bhopal – 462024.
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Languages : Hindi & English



EDUCATIONAL QUALIFICATIONS:

- **Ph.D. (Electronics)** from Barkatullah University, Bhopal in February 2016.
- Qualified **National Eligibility Test for Lectureship / Assistant Professor in Electronic Science** in October 2013 conducted by UGC, New Delhi.
- **M.Sc. (Electronics)**, U.T.D Sagar (M.P), 63%, in 1996.
- **B.Sc. (Physics, Electronics, Mathematics)**, U.T.D Sagar (M.P), 57%, in 1993.
- **Higher Secondary**, M. P. Board, 75%, in 1988.
- **PGDCA**, M. P. Bhoj Open University, Bhopal, 59%, in 2005.

PROFESSIONAL MEMBERSHIP:

- **IETE - LM-ASSOCIATE-223500**

COMPUTERS SKILLS:

MS-Office, C, C++, Mat-lab, SONNET, HFSS, Computer Hardware Maintenance & Networking.

WORK EXPERIENCE:

March 2000 – September 2011, July 2012 – November 2012 & Sep. 2015 to April 2016

Institute for Excellence in Higher Education, Bhopal (Total Academic Experience 12 Years)

Worked as a faculty in the Department of Physics, Electronics & Computer Science for B.Sc. (Honours) courses and teaching the subjects like Electronics, Digital Electronics, Microprocessors, Instrumentations, C and C++

Makhanlal University

Worked as Visiting Faculty in Makhanlal University for MCA & BCA courses and teaching subjects like Digital Electronics, Computer Architecture and Microprocessors.

October 2011 –October 2014 (Total Industrial Experience 03 Years)

Icon Design Automation Private Limited, Bangalore

- Worked as a Product Executive / Application Engineer in RF & Microwave Divisions.
- AWR Software, Sonnet Software and OPERA EM Simulation for which demonstrations, technical and commercial task is to be performed.

Research Experience: - Research papers published in a Journals, National / International Conferences and Workshops were attended.

Administration Experience - Admission task, Class coordination, Organization of Workshop / conference, Course or Syllabus design task, Research Project.

References:-

1. Dr. Sunil Mishra, Professor (Department of Physics and Electronics)
Institute for Excellence in Higher Education, Bhopal (M.P.)
sbbmishra@live.in ; 9826335360
2. Dr. P. K. Purohit, Professor & Head (Department of Science)
National Institute of Technical Teacher's Training & Research, Shaml Hills, Bhopal (M.P.)
0755-2661600 (382), pkpurohit@nitttrbpl.ac.in

Teaching Agenda

I taught *Digital Electronics, Computer Architecture and Microprocessors* for UG / PG, (BCA and MCA) classes in the Makhanlal University Bhopal for 08 years. I taught Analog Electronics, Digital Electronics, Microprocessors Computer Hardware and Maintenance and C / C++ Computer Language for UG classes in the IEHE, Bhopal for 12 years. I therefore wish to continue teaching in these areas of Electronics and Computer Science.

Research Agenda

I shall study & work on the new dimensions of Microwave Communications, its applied areas like Computational Electromagnetics, Microwave and Millimeter wave systems, Microwave and Millimeter Wave Antennas and Smart Antennas. It will be based on Simulation / Experimental or both depending upon the facilities.

Important Assignments in addition to teaching at IEHE, Bhopal.

- As a Team member in Admission Committee, Departmental Purchase Committee, Examination Cell, UGC & NACC Committee and many more.
- As a Team member in a Departmental committee in setting up laboratories like Computer Laboratory, RF & Microwave Communications Laboratory (Research Lab.), PCB Design Laboratory, Simulation Software Laboratory and many more.
- Worked as a Team member in IAQC (Internal Quality Assurance Cell) committee for making an Autonomous report to be submitted to UGC and SSR (Self Study Report) to NAAC.
- Worked with Academic committee like Admission committee, Examination Cell, Purchase committee at Department and Institute level.
- Workshops organized / attended and invited speakers.
- Attended and assist Board of Studies in the Department of Physics, Electronics and Computer Science.
- Paper settings and evaluation in the subjects of Electronics and Computer Science.
- External Examiner for conducting viva-voce examination for under graduates (B. Sc. & BCA) in the subjects of Electronics and Computer Science.
- Worked as a member in Time-Table Committee.
- Maintenance of Electronics and Computer Science Laboratory.

LIST OF PUBLISHED RESEARCH PAPERS IN INTERNATIONAL JOURNALS

1. **Tarun Kumar Kanade**, Alok Kumar Rastogi and Sunil Mishra, “*Design, Simulation and Experimental Investigation of Microstrip Patch Antennas and its Feed Line,*” International Journal of Engineering Research and Technology (ISSN – 2278-0181), Vol. 4, ISSUE 02, February 2015, pp. 25-28.
2. **Tarun Kumar Kanade**, Alok Kumar Rastogi and Sunil Mishra, “*Investigations of Microstrip Dispersions and Bend Discontinuities,*” International Journal of Electronics and Computer Science Engineering (ISSN–2277-1956), Vol. 4, No.1, January 2015, pp. 58-66.
3. **Tarun Kumar Kanade**, Alok Kumar Rastogi and Sunil Mishra, “*Design and fabrication of microstrip to slotline transition bandpass filter,*” International Journal of Engineering Research and Technology (ISSN – 2278-0181), Vol. 4, ISSUE 01, January 2015, pp. 58-61.
4. Alok Kumar Rastogi, **Tarun kumar Kanade** and Sunil Mishra, “*Shielded Microstrip Transmission line Design Considerations for High Frequency Applications,*” International Multi-Disciplinary Journal Research Hunt (ISSN 0973-5569), Vol. IV, No. IV, July-Aug, 2009, pp. 72-79.
5. Alok Kumar Rastogi, **Tarun kumar Kanade** and Sunil Mishra, “*Qualitative Analysis of Suitable Microstrip line–A Quasi Static Approach,*” International Multi-Disciplinary Journal Research Hunt (ISSN 0973-5569), Vol. IV, No. V, Sep-Oct, 2009, pp.317-325.
6. Alok Kumar Rastogi, **Tarun kumar Kanade** and Sunil Mishra, “*Investigation of Interconnect Characteristics in Microstrip at Higher Frequencies,*” International Multi-Disciplinary Journal Research Hunt (ISSN 0973-5569), Vol. IV, No. V, Sep-Oct, 2009, pp. 325-334.

LIST OF PUBLISHED RESEARCH PAPERS IN NATIONAL JOURNALS

1. Alok kumar Rastogi and **Tarun Kumar Kanade**, “*Modeling the Microstrip Step Discontinuity in Interconnect Line for High Speed MMICs Circuits,*” Vision & Quest, Journal of Science, Technology & Management (ISSN 0975-8410), Vol. II, No. I, Jan-June, 2011, pp. 20-24.

LIST OF RESEARCH PAPERS PRESENTED IN INTERNATIONAL CONFERENCE

1. Alok Kumar Rastogi, **Tarun Kumar Kanade** and Sunil Mishra, “*Investigation and Design Optimization of Microstrip Patch Antennas for Wireless Applications,*” International Conference on Space and Plasma Research, Department of Physics, Govt. Vivekanand P. G. College, Maihar, SATNA (M.P.), (Sept. 11–13, 2015).
2. Alok Kumar Rastogi, **Tarun Kumar Kanade** and Sunil Mishra, “*Characterization of Rectangular and Circular Microstrip Patch Antenna at 2.45 GHz,*” International Conference on Inter-disciplinary Research in Engineering, Management, Pharmacy and Science, Sagar Institute of Research & Technology, Bhopal (ICIREMPS-2K15), pp.102-104 (Feb. 19–22, 2015), ISBN:978-93-82518-64-8.
3. Alok Kumar Rastogi, **Tarun Kumar Kanade** and Sunil Mishra, “*Design and Simulation of Narrow Bandpass filter with Microstrip-to-slotline Transition,*” International Conference on Inter-disciplinary Research in Engineering, Management, Pharmacy and Science, Sagar Institute of Research & Technology, Bhopal (ICIREMPS-2K14), pp.1020-1023 (Feb. 20–23, 2014), ISBN:978-93-82518-64-8.
4. Alok Kumar Rastogi, **Tarun Kumar Kanade** and Munira Bano, “*CAD Modeling of losses in Microstrip lines at Millimeter-Wave Frequencies,*” International Conference on, Recent Trends in Physics, Organized by School of Physics (UTD), Devi Ahilya University Indore, (Feb. 4th - 5th 2012).
5. Alok Kumar Rastogi, **Tarun Kumar Kanade** and Munira Bano, “*Frequency Dependent Characteristics of Microstrip Discontinuities for MMICs Circuits,*” International Conference on Advances in Communication, Embedded System and Computing, SIRT, Bhopal, on (Jan. 14th & 15th 2011).

LIST OF RESEARCH PAPERS PRESENTED IN NATIONAL CONFERENCE

1. **Tarun Kumar Kanade**, Alok Kumar Rastogi and Sunil Mishra, “*Investigations of Microstrip Dispersions and Conductor Width Discontinuities,*” National Conference on Recent Advances in Microwave Engineering, Department of Electronics Engineering, Madhav Institute of Technology and Science, Gwalior, 28 February – 01 March 2015.

2. **Tarun Kumar Kanade**, “*Investigation of Microstrip Line Dispersions and Discontinuities for FR4 and Alumina Substrate*,” National Conference on, Advances in Electronics and Communication Engineering (ACE 2012), Symbiosis Institute of Technology, Pune (Dec. 21st – 22nd 2012).
3. Alok Kumar Rastogi, **Tarun Kumar Kanade** and Munira Bano, “*Frequency Dependent Characterization of Microstrip Dispersions & Discontinuities at X-band Frequencies*,” National Conference on, Recent Advances in Microwave Engineering, Madhav Institute of Technology and Science Gwalior (Dec. 16th–17th 2011).
4. Alok Kumar Rastogi, **Tarun Kumar Kanade** and Munira Bano, “*Dispersion Characterizations of Microstrip Lines on various Electromagnetic Materials*,” National Conference on, Condensed Matter & Material Physics (CMMP-2011), Govt. M.L.B. Girls P.G. College, Bhopal (Oct. 13th–14th 2011), Proceedings published in Asian Journal of Experimental Sciences Vol. 25 (Special Edition) 2011.
5. Alok Kumar Rastogi, **Tarun Kumar Kanade** and Sunil Mishra, “*Modeling the Bandpass Filter using Microstrip-to-Slotline Transition for High Speed MMICs Circuits*,” National Conference on, Emerging Trends in Engineering & Sciences, Samrat Ashok Technological Institute, Vidisha (Nov. 27th–29th 2010).
6. Alok Kumar Rastogi and **Tarun Kumar Kanade**, “*Modeling the Microstrip Step Discontinuity in Interconnect line for High Speed VLSI Circuits*,” National Conference on Emerging Electronics and Computing Systems, School of Electronics (UTD), Devi Ahilya University Indore, (April 2nd - 3rd 2010).
7. Alok Kumar Rastogi and **Tarun kumar Kanade**, “*Microstrip Line Dispersion Characteristics Simulation at Higher Frequencies*,” National Conference on, Recent Advances in Engineering Physics, Lakshmi Narayan College of Technology Bhopal, (March 26th & 27th 2010).
8. Alok Kumar Rastogi, **Tarun kumar Kanade** and Sunil Mishra, “*Dispersion Characteristics of a Microstrip Line at Higher Frequencies: A Comparative Approach*,” National Conference on Electronics, Computers and Communications (NCECC – 2010), and presented a paper entitled, Organized by IETE Gwalior Sub Center and CSI Gwalior Chapter (March 06th - 07th 2010).

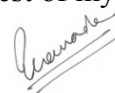
LIST OF WORKSHOPS AND SEMINARS ATTENDED

1. Attended One Week's National Workshop on "***Simulation, Fabrication & Testing of Electronic Circuits by Measuring Instruments***," organized by Department of Physics & Electronics, Institute for Excellence in Higher Education, Bhopal (M. P.), February 08th to 13th, 2016.
2. Attended three days Workshop on "***India's 5G Vision: 2020***," organized by Barkatullah University, Bhopal & Global ICT Standardisation Forum for India, March 13th to 15th, 2015.
3. Attended AICTE Sponsored One-Week STTP on "***RF and Microwave Communication: Fundamentals, Design and Applications***," organized by Department of Electronics & Telecommunication, Shri Sant Gajanan Maharaj College of Engineering, Shegaon, Maharashtra, December 03rd to 07th, 2013.
4. Attended three days International Workshop on "***Sensor Network and Wireless Communication (SNWC 2013)***," Department of Electronics and Communication Engineering, A. D. Patel Institute of Technology, New Vallabh Vidyanagar, Gujarat October 09th to 11th, 2013.
5. Attended two days Workshop on "***Research Methodology***," organized by AISECT University in association with CRISP, Raisen, M. P. January 12th to 13th, 2013.
6. Attended IEEE-MTT supported two days Workshop on "***Recent Advances in Microwave Antennas***," organized by Department of Electronics, Madhav Institute of Technology & Science, Gwalior, M. P on 31st August to 01st September 2012.
7. Attended a Seminar on, "***MATLAB & Simulink for Engineering Education***," Organized by MathWorks India Pvt, Ltd., at Indore, M. P. on 15th November 2011.
8. Attended AICTE Sponsored One-Week STTP on "***UHF and Microwaves***," organized by Department of Electronics & Telecommunication, Shri Sant Gajanan Maharaj College of Engineering, Shegaon, Maharashtra, from 20th to 24th June 2011.

I do hereby declare that the above information is true to the best of my knowledge.

Place: - Bhopal

Date: -



(Tarun Kumar Kanade)