CURRICULUM VITAE

Dr. Mohan D N
B.E, M.Tech, Ph.D
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OBJECTIVE:

A challenging and responsible position involving progressive development in the area of teaching profession and to associate with a progressive educational institution that gives me an opportunity to update my knowledge and skills and lead me towards the growth of the educational institution utilizing my functional experience.

PERSONAL DETAILS:

Name	Dr. Mohan D N
Designation	Associate Professor
Date of Birth	24-03-1986
Marital Status	Married
Languages Known	English, Kannada, Hindi, Telugu
Nationality	Indian

EDUCATIONAL QUALIFICATIONS:

Degree	University	Specialization	Year
Ph.D	Shri Jagdishprasad Jhabarmal Tibarewala University, Rajasthan	Computer Science and Engineering	2024
M.Tech	S.J.C.Institute of Technology, Chickballapur (Visvesvaraya Technological University, Karnataka)	Computer Science and Engineering	2010
B.E	S.J.C.Institute of Technology, Chickballapur (Visvesvaraya Technological University, Karnataka)	Information Science and Engineering	2008

PROFESSIONAL TEACHING EXPERIENCE:

Totally **13 years** of teaching experience in Engineering Colleges (VTU & Autonomous)

Post	Institution	Dept	From	To	Years
Lecturer	Sha-Shib College of Engineering and Technology, Chickballapur	CSE	August 2010	January 2011	6 months
Assistant Professor	Nagarjuna College of Engineering & Technology, Devanahalli, Bengaluru	ISE	12/01/2011	31/07/2020	9 years 6 months
Assistant Professor	Nagarjuna College of Engineering & Technology, Devanahalli, Bengaluru	ISE	08/07/2022	31/07/2025	3 years 1 month
Associate Professor	SJC Institute of Technology, Chickballapur	ISE	06/08/2025	Till Date	

SUBJECTS HANDLED:

- ➢ Computer Concepts and 'C' Programming
- ➢ Discrete Mathematical Structures
- ➢ Software Engineering
- ➢ Management and Entrepreneurship
- ➢ Data Mining and Data Ware-housing
- ➢ System Modeling and Simulation
- ➢ Computer Organization
- ➢ Logic design
- ➢ Unix Shell Programming
- ➢ Operations Research
- ➢ Analog and Digital Electronics
- ➢ Android Application Development
- ➢ Entrepreneurship & Resource Planning
- ➢ Android Application Development
- ➢ Entrepreneurship & Resource Planning

PROFESSIONAL RESPONSIBILITIES:

- ➢ Department HOD In-charge
- ➢ Board of Studies Member
- ➢ NBA Criteria-7 Coordinator
- ➢ NAAC Coordinator
- ➢ Placement Coordinator
- ➢ Admissions and Marketing Work
- ➢ Organized Industry Visit
- ➢ Organized Guest lectures, Workshops, FDPs
- ➢ Appointed as NSS officer for 2nd unit in NCET.
- ➢ Project Guide
- ➢ Student Counsellor
- ➢ Cultural Coordinator
- ➢ Discipline and Anti-Ragging Committee Member
- ➢ IRDP(Integrated Rural Development Programme) Coordinator
- ➢ AICTE Activity Point Programme Coordinator

TECHNICAL ACHIVEMENTS:

1. Paper Publications:

1. **"Identical Key Points Tracing For Copy-Move Forgery by Implementing TN-CMF Model"**. JJTU Journal of Renewable Energy Exchange ISSN: 2321-1067 Volume 12 Issue 1 (2024), **https://doi.org/10.58443/IJREX.12.1.2024.13-20**

2. **"Efficient Video Copy Move Forgery Identification by Utilizing VFDN"**. JJTU Journal of Renewable Energy Exchange ISSN: 2321-1067 Volume 12 Issue 2 (2024), **https://doi.org/10.58443/IJREX.12.2.2024.17-24**

3. **"Efficient Copy-Move Forgery Detection through Identical Key feature Recognition and Tracing (IKFRT)"**, https://ijnrd.org/viewpaperforall?paper=IJNRD2405129

4. **"A Dual Deep Network Approach for Efficient Video Copy-Move Forgery (VCMFD) Detection and Localization"**, https://ijnrd.org/viewpaperforall?paper=IJNRD2405006

5. **"Data Cloaking: Integrating AES Encryption and Steganography with Diffi-Hellman Key Exchange for Secure Data Sharing within Multimedia"**. https://ieeexplore.ieee.org/document/11035896

6. **"Med aug -net powered hybrid CNN-SVM:A robust model for capsule endoscopy image classification"**. Under publishing (IEEE).

7. **"Enhanced Bank Cheque Verification using Similarity-Navigated Graph Neural Networks with Binary Battle Royale Optimizer Algorithm"**. Under review (Q1/Q2 Journal).

8. **"A Classification of Indian Music through Symmetric Positive Definite Neural Network Optimized with Crayfish Optimization Algorithm"**. Under review (Q1/Q2 Journal).

9. **"A Critical Approach to Cancer Diagnosis, Prediction and Treatment Selection using Machine Learning Techniques "** Under review (Q2 Journal).

10. **"Robust Seizure Detection Using an Ensemble of CNN and RNN Architectures with Advanced Optimization Techniques"** Received paper Acceptance(Q3 Journal)

11. Published paper in IJRESM on **"Smart Water Usage and Leakage Monitoring"** Volume-3, Issue-1, January – 2020, ISSN -2581-5792.

12. Published paper in IJRESM on **"IoT Based Air and Noise Pollution Monitoring System in Urban and Rural Areas"** Volume-3, Issue-1, January – 2020, ISSN - 2581-5792.

13. Published paper in IJRESM on **"Enhancement of Cloud Computing Security with Secure Data Storage using AES"** Volume-3, Issue-1, January – 2020, ISSN - 2581-5792.

2. Patent Publications& Design Patent Grants:

1. Design patent grant on the title **"Smart wearable device for health monitoring"** 13/08/2024. Design No. 426964-001.
2. Design patent grant on the title "**Smart Helmet with Camera and Fan for Construction"** 07/02/2024. Design No. 6343490.
3. Patent publication on the title **"AI Based Irrigation System Using IOT"** 19/09/2023. Application No. 2023410869.
4. Patent publication on the title **"A Categorization of Infectious Plant Pathogens Severity Level with Supervised Learning Techniques"** 04/05/2023. Application No. 202341031767.

5. Patent publication on the title **"System and Method for Monitoring Liquid Level in a Storage Tank"** on 26/06/2020.

3. Certification Courses:

1. Completed 8 weeks **NPTEL** online certification course in the subject **"Research Methodology"** from Jan-March 2025.
2. Completed 8 weeks **NPTEL** online certification course in the subject **"Introduction to Machine Learning"** from July-Sep 2024.
3. Completed 4 weeks **NPTEL** online certification course in the subject **"Outcome Based Pedagogic Principles for Effective Teaching"** from Feb-March 2024.

4. Seminar/Conference/ Workshop/FDP Attended:

1. Participated in 7 days Faculty Development Program on "**Data Analysis using SPSS**" from August 11-18, 2025.
2. Participated and presented paper titled "**Data Cloaking: Integrating AES Encryption and Steganography with Diffi-Hellman Key Exchange for Secure Data Sharing within Multimedia"** in 3rd IEEE International Conference on Knowledge Engineering and Communication Systems held at SJCIT, Chikkaballapur on April 28 – 29, 2025.
3. Participated in one week Faculty Development Program on **"Exploring Cyber Security with AI/ML: Challenges, Risks and Innovation"** at NITTE, Bengaluru from 21st April 2025 to 25th April 2025.
4. Participated in Faculty Development Program on **"Utilising AI for Effective Personal and Professional Growth"** from 1st March to 5th March 2025.
5. Participated AICTE Training and Learning (ATAL) Academy Faculty Development Program on **"AI and Security: Current Trends and Future Research"** at S J C Institute of Technology from 20/01/2025 to 25/01/2025.
6. Participated in two weeks FDP on **"TOSCA-Automation Testing Tool, Cloud Computing,Deveops and Generative AI"** organized by SVIT in association with VTU from 27th Jan 2025 – 8th Feb 2025.
7. Participated 3 Days FDP on **"Writing Ingenious Research and Funding Proposals"**, organized by SVIT from 3rd September to 5th September 2024.
8. Participated in National Faculty Development Program on **"Deep learning and Artificial Intelligence"** organized by APSSDC from 26th Feb to 1st March 2024.
9. Participated in National Faculty Development Program on **"Business Analytics"** organized by AISSMS and ExcelR Edtech Pvt. Ltd. from 5th Feb to 9th Feb 2024.

10. Participated in National Faculty Development Program on **"GenAI and Prompt Engineering using Microsoft Copilot"** organized by CMR College of Engineering & Technology and ExcelR Edtech Pvt. Ltd. from 15th April to 19th April 2024.

11. Participated 4 weeks Faculty Development Program on **"Outcome Based Pedagogic Principles for Effective Teaching"** organized by NPTEL-AICTE from Feb-March 2024.

12. participated in the 12th International Research Conference on the theme **"Shaping Future Leaders to Navigate Disruptions"** on 25th May 2024 at Aditya Education Campus, Mumbai.

13. Participated in National Faculty Development Program on **"ChatGPT and Prompt Engineering"** organized by Bharati Vidyapeeth College of Engineering and ExcelR Edtech Pvt. Ltd. from 18th Dec to 22nd Dec 2023.

14. Participated in National Conference on **"Climate Change: Effective and Innovative Solutions for Achieving Net Zero"** on 13/10/2023, organized by Shri JJT University, JhunJhunu, Rajasthan.

15. Organized and Co-ordinated one day workshop on **"Android Programming"** on 23rd March 2019 at NCET, Bangalore.

16. Participated in three day FDP on **"Modernized Approaches in Research & Publication"** on 26th to 28th November 2019 at NCET, Bangalore.

17. Participated in 3 days Workshop on **"Android"** on 22nd to 24th Feb 2018 at NCET, Bangalore.

18. Participated in a Training Program for NSS Officers from NCET on 20/01/2018 at District AIDS Prevention and Control Unit, Bangalore Rural District.

19. Participated in **"Android Developer Fundamentals"** faculty training by Google from 6th to 10th March 2017 held at Koenig solutions, Bengaluru.

20. Participated in **" National Teachers Conference"** held at Sathya Sai Grama, Muddenahalli from 26th to 28th May 2017.

21. Participated in one day FDP on **"Project Based Learning"** on 16/10/2017 at NCET, Bangalore.

22. Participated in one day FDP on **"Flip Teaching"** on 17/10/2017 at NCET, Bangalore.

23. Participated in two days Master Trainer's Workshop organized for the implementation of Saansad Adarsh Grama Yojana on 25th ton26th November 2017 at NCET, Bangalore.

24. Participated six days Faculty Development Program on **"knowledge Discovery and Applications"** from 18th to 23rd July 2016 at SJBIT, Bangalore.

25. Participated six days Faculty Development Program on **"Real Time WSN & Network Simulator"** from 18th to 23rd January 2016 at SJBIT, Bangalore.

26. Participated in one day Workshop on **"Latex"** on 28th January 2016 at NCET, Bangalore.

27. Participated five days Faculty Development Program on **"Programming in GNU/Linux"** from 04th to 08th July 2016 at NCET, Bangalore.

28. Participated in World Youth Meet 2016 at Satya Sai Grama, Muddenahalli from 16th to 23rd November 2016.

29. Participated in FDP on **"Skills for Success Communication and Relationship Skills"** held at NCET on 24th November 2016.

30. Participated in two days workshop on **"Cisco Network Design and Implementation"** on 14th and 15th October 2014 at NCET, Bangalore.

31. Participated in Faculty development Program on **"Personal Growth and interpersonal skills"** on 02/02/2013 at NCET, Bangalore.

32. Participated in four days Workshop on **"Cyber Forensics and Information Security"** on 1st April to 4th April 2013 at PESIT, Bangalore**.**

33. Co-ordinated andpParticipated in two days Workshop on **"ANDROID"** on 19th and 20th April 2013 at NCET, Bangalore**.**

34. Participated in one day Workshop on **"Python Programming"** on 17/08/2013 at NCET, Bangalore**.**
35. Participated in two days workshop on **"Application Development on Mobile Operating Systems"** on 16th and 17th March 2012 at SJBIT, Bangalore**.**
36. Co-ordinated and participated in two days workshop on **"Ethical Hacking and Network Security"** on 2nd and 3rd May 2011 at NCET, Bangalore**.**

5. Technical Paper Presentation:

1. Presented paper "**Efficient Video Copy Move Forgery Identification by Utilizing VFDN"** in National conference on "Ranganathan's Ideas in present Context on 24/01/2024**,** organized by Shri JJT University, JhunJhunu, Rajasthan.
2. Presented paper **"Identical Key Points Tracing For Copy-Move Forgery Implementing TN-CMF Model"** in 6th International in Singapore(Hybrid Mode) on 02/12/2023**,** organized by Shri JJT University, JhunJhunu, Rajasthan.
3. Presented paper in National Conference on **"Automated Tool for Remote Administration of Multi Local Area Connection Networks Using Smart Phones"** conducted by NCET, Bangalore held on 18th May 2015.

EXTRA CURRICULAR ACTIVITIES:

1. Paper setter, Valuator, Moderator for the other Autonomous Institutions.
2. Successfully guided the final year students projects of various fields includes: Image processing, Adhoc Networks, Wireless Sensor networks, Machine Learning, Artificial Intelligence, Network Security, and IOT based projects and applied projects in KSCST.

DECLARATION:

I hereby declare that all the information furnished here in are true and correct to the

best of my knowledge and belief.

Date:
Place: Bengaluru

Dr. Mohan D N