DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT

22 Mile, B.M Kaval, Udayapura, Kanakapura Road, Bangalore-560082.

DEPARTMENT OF INFORMATION SCIENCE and ENGINEERING

Faculty Name	**Dr. Nandini Prasad K S**	
Designation	**Professor, Dean-Foreign Affairs, & HOD-ISE**	
Educational Qualification	**B. E, M. Tech, Ph.D, Postdoc Fellowship (London)**	
Experience in Years	**24**	
Area of Interest	**Wireless Sensor Network, Machine Learning, IoMT**	
Email IDs	**dean-fa@dsatm.edu.in hodise@dsatm.edu.in drnandini.prasad1@gmail.com**	

Educational Details

- **2022-2023: Postdoc Fellow from City, University of London, UK;**
  Area of Research: Machine Learning and Cyber Security
- **2014: Ph.D in** Electronics & Communication Engineering from UBDT, Davengere, Kuvempu University; **Area of Research:** Wireless Sensor Networks (WSN)
- **2005: M.Tech (First Class with Distinction)** in Computer Science & Engineering from VTU, Belgaum
- **2001: B.E (First Class with Distinction)** in Computer Science & Engineering from PESIT, Bangalore

Books Authored

1. ***Compiler Design-2017:*** Nandini Prasad K S: Principles of Compiler Design, Cengage Learning, 2017, ISBN-13: 9788131534069

2. ***Logic Design-2013:*** R D Sudhaker Samuel, K S Nandini Prasad: Logic Design, 1st Edition for CSE/ISE, Elsevier Publication, 2013, ISBN: 9789382291473

3. ***System Modeling and Simulation-2012:*** Nandini Prasad K S, Dinakar K S: System Modeling and Simulation, 1st Edition, Elsevier Publication, 2012, ISBN: 9789381269909

4. ***System Software and Compiler Design -2018:*** Nandini Prasad K S, Dinakar K S: System Software and Compiler Design, 1st Edition, Cengage Learning, 2018, ISBN- 9789387511699

5. ***Automata Theory and Computational Intelligence-2019:*** Nandini Prasad K S: Automata Theory and Computational Intelligence, 1st Edition, Cengage Learning, 2019, ISBN-13: 9789386668486.

Patents Filed and Granted

GRANTED:

1.Application Number: 353643-001; Date of Filing: 24/11/2021; GRANTED on 5/1/2022
Title of Invention: Smart Cultivator Using Artificial Intelligence (**Design Patent**)

2. German Patent on "*Integrated Hardware System for Real-Time Risk Detection and Quantification and Reduction*". IPC: GO6F 21/55; Granted on 19/10/2023.

3.German Patent on "*Integrated Monitoring and Feedback System for Health and Well-being* ". IPC: G16H 20/00; Granted on 19/10/2023.

FILED:

1.The Patent Office Journal No. 12/2021 Dated 19/03/2021
Application No.202141010690 A; Date of filing of Application :13/03/2021
***Title of the invention*:** Brain tumor detection and classification using deep learning model and methods thereof

2 Application No.202141010690; Date of filing of Application :02/04/2021
Title of Invention: Traffic police occupational stress model and coping strategies thereof

3. Application No.202141031085; Date of filing of Application: 11/07/2021
Title of Invention: System for user interface design using Artificial Intelligence and methods thereof

4. Application Number: 202141037963; Date of Filing: 21/08/2021
Title of Invention: Custom Developed Board for IoT Applications

5. Application Number: 202241026512 A; Date of Filing: 15/05/2022
Title of Invention: Design of Food Ingredient Dispenser for Feeding and Cooking

6. Application Number: 202241061661 A, Dated 04/11/2022.
Title of Invention: A Novel Approach for Guarding Forest Security from Dangerous Environment Using Deep Learning and IoT

7. Application Number: 202321017610; Date of Filing: 16/03/2023
Title of Invention: Cyber-Security Technologies for Leading Challenges and Future Recommendations

8. Application Number :202341039939; Date of Filing: 12/06/2023
Title of Invention: Performance Evaluation of Computer-Aided Detection and Diagnosis system for Tumor Using Big Data Analytics

9.Application Number: 202441028769 A; Date of Filing: 8/4/2024; Publication: 19/04/2024
Title of Invention: Enhanced Security Model and Routing Strategy for Wireless Sensor Networks

10. Application Number: 202441093412; Date of Filing: 29/11/2024; Date of Publication: 06/12/2024
Title of Invention: Connected Care: Emergency Medical Help for Rural and Urban Areas Via MediConnect

11. Application Number: 202441093455; Date of Filing: 29/11/2024; Date of Publication: 06/12/2024 **Title of Invention:** Biodegradable Scaffold for Targeted Drug Delivery in Cancer Therapy

12. Application Number: 202441093551; Date of Filing: 29/11/2024; Date of Publication: 06/12/2024 **Title of Invention:** AI-Powered Multi-Modal Diagnostic Assistant

13. Application Number: 202441093922; Date of Filing: 29/11/2024; Date of Publication: 06/12/2024
Title of Invention: SmartStride: IoT-Enabled, Voice-Assisted Walking Shoe for the Visually Impaired

14. Application Number: 202441093921; Date of Filing: 29/11/2024; Date of Publication: 06/12/2024
Title of Invention: Real-Time Driver Drowsiness Detection and Alert System Using Facial Recognition.

15. Application Number: 465991-001; Date of Publication: 16/07/2025
Title of Invention: Smart Text to Speech Conversion Device from the Printed Surface with English Using Natural Language Processing.

16. Application Number: 465904-001; Date of Publication: 16/07/2025
Title of Invention: Blockchain and IoT Based Electronics Health Record Device.

17. Application Number: 202541086027; Date of Publication: 10/09/2025
Title of Invention: Adaptive Multisensor Data Fusion Framework for Personalized Remote Health Monitoring and Emergency Prediction

18. Application Number: 202641047412; Date of Publication: 24/04/2026
Title of Invention: Adaptive AI-Optimized Hardware Acceleration System for Efficient Edge Computing Applications

19. Application Number: 202644057507; Date of Publication: 15/05/2026
Title of Invention: Waste Segregation Robot with Manual Collection and Auto Sorting

Research Guidance:

Under VTU:

1. **Completed:** 06 (05 Part-Time and 01 Full-Time research scholar funded by DST)

2. **Ongoing:** 06

Under DSU: 02 in Progress

Personal Details

- **Date of Birth:** 20/05/1980
- **Hobbies:** Travelling, Reading
- **Languages Known:** Kannada, English, Hindi

Professional Experience

- Working as Dean-Foreign Affairs, Professor & HOD-ISE at Dayananda SagarAcademy of Technology & Management (**DSATM**) from 28/11/2022-Till date

Total no. of years at Dr.AIT: 20.2 Years

- Worked as Dean (Foreign Affairs) at Dr. Ambedkar Institute of Technology (Dr.AIT) from 5/7/2021 to 26/11/2022
- Worked as Professor at Dr. AIT from 1/1/2018 to 26/11/2022
- Worked as Nodal Officer (Academic) TEQIP-III and Nodal Officer(MIS) TEQIP-III at Dr.AIT from 1/1/2018 to 31/3/2022
- Worked as Associate Professor (Under 6th pay) at Dr.AIT from 2/4/12 to 31/12/2017
- Worked as Assistant Professor (Under 5th pay) at Dr.AIT from 23/8/07 to 31/3/2012
- Worked as Lecturer at Dr.AIT from 9/9/02 to 22/8/2007
- Worked as Engineering Trainee at BESCOM, Bangalore from 1/6/2002 to 2/9/2002

Other Responsibilities Undertaken so far:

1. BOE (Board of Examination) member at Dr. AIT.
2. BOS (Board of Studies) member at Dr. AIT.
3. Co-ordinated for Dr. AIT Techno Exhibition at Dr. AIT on 14/4/2015(Ambedkar Jayanthi).
4. Working as **M.Tech coordinator (CNE),** Dept. Of ISE from 2013-2017 and has conducted technical talks and workshop for PG students.
5. Worked as **Entrepreneur Development Cell (EDC) Coordinator** at Dr. AIT.
6. Working for **NBA coordinator** from the academic year 2014.
7. Working as **TEQIP coordinator** (From Oct.2012) for dept. of ISE, Dr.AIT.
8. Working as a **Co-ordinator** for RPRC committee, Dept. of ISE, Dr. AIT for the academic year 2012, 2013 and 2014.
9. Worked as VTU exam **External DCS** (YDIT) for the academic year Jan.2012.
10. Worked as VTU exam **Internal DCS** (Dr. AIT) for the academic year 2011.
11. Worked as a **Project coordinator** for the academic year 2008, 2009 and 2012.
12. Prepared manuals and worked as a **Lab incharge** for various labs.
13. Member, DISCS Technology club at Dr.AIT.
14. Worked as a Coordinator for **Interrupt** technical fest conducted in 2007, 2008 and 2012 at Dr. Ambedkar Institute of Technology, Bangalore.
15. Worked as a **Time table Coordinator** in 2004, 2006, 2011 and 2012.
16. Worked as a **Placement Coordinator** for Infosys at Dr. AIT, 2007.

Demonstrated following projects on Dr. AIT Techno Exhibition on 14/4/2015:

i. Human Area Interface (Along with UG students-4th sem- Darshan and team).
ii. Accident detection using GSM, GPS with Arm Processor (Along with PG students-2nd sem- Pavan Kumar and team).

- Guided UG projects of VIII semester: **Karnataka State Council for Science & Technology (KSCST)** Project at Dr. AIT and DSATM.

Fundings

GRANTS/ FUNDINGS:

A. KSCST (KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY) Funds:

1. Two projects funded from KSCST: 39th Series of Student Project Programme: 2015-2016:

- Project Proposal Reference No.: 39S_BE_1341: Design and Management of Response System for Vehicle Collision: Rs.3000.
- 39S_BE_1345: Smart Parking System Using IoT: Rs.3000.

2. One project funded from KSCST: 41st Series of Student Project Programme: 2017-2018: Project Proposal Reference No.: 41S_BE_0429: Design and Development of Automatic Weather Station for Health-Related Issues: Rs.3500.

3. KSCST 46th Series Student Project Programme SPP: 2022-2023:

Project Proposal Reference No.: 46S_BE_3990: Military Grade FPV Drone for Enemy Recognition: Rs. 4000.

4. KSCST 48th Series Student Project Programme SPP: 2024-2025:

- 48S_BE_5106: SPIDROX: Implementation of Student Social Networking Using Quarkus and Flutter- Rs. 4500.
- 48S_BE_6240: SMARTSTRIDE: IoT-Enabled, Voice Assisted Wearable Shoe for the Visually Impaired Individual- Rs. 4500.

B. Funded by AICTE:

1. PRERANA-Programme Centre to promote Higher Education for SC/ST students-Rs. 3.0 Lakhs-2020

2. SPDPC- Skill and Personality Development Programme Centre for SC/ST students – Rs. 11.28 Lakhs-2020

3. MODROB (Modernization and Removal of Obsolescence)-BIG DATA LAB- Rs.3.50 Lakhs-2021

4. AICTE Training and Learning (ATAL) sponsored One Week FDP-Rs. 0.93 Lakhs-2021

5. AICTE Training and Learning (ATAL) sponsored One Week FDP on *Advancements in Quantum Generative AI: Its Applications and Future Prospects*-Rs. 3.75 Lakhs-2025.

C. Other Funding:

Industry funding to setup *CoE in Advanced Robotics in Artificial Intelligence and Machine Learning Lab for Industry 5.0*: **Rs. 55.85 Lakhs**-Sanctioned in July 2025.

Total: Rs. 78.45 Lakhs

Consultancy Work: Rs. 24000 with Smart Desert

Publications

Scopus Indexed Publications only (2016-2022):

1. Divyashree, Nandini Prasad K S, (2022), Design *and Development of We-CDSS Using Django Framework: Conducing Predictive and Prescriptive Analytics for Coronary Artery Disease*, in IEEE Access, vol. 10, pp. 119575-119592, Nov. 2022, **DOI:** 10.1109/ACCESS.2022.3220899. https://ieeexplore.ieee.org/document/9943530

(**Q1 Journal**)

2. Divyashree N, Nandini Prasad K S (IEEE Senior Member), *Improved Clinical Diagnosis Using Predictive Analytics* , at IEEE Access Multidisciplinary journal, United States, ISSN: 2169-3536, Digital Object Identifier: 10.1109/ ACCESS.2022.3190416- ISSN: 2169-3536, Vol.10, July 2022, pp. 75158 - 75175 . **DOI:** 10.1109/ACCESS.2022.3190416 (**Q1 Journal**)

3. Chetana Srinivas, Nandini Prasad K S, Mohammed Zakariah,Yousef Ajmi Alothaibi , Kamran Shaukat, B. Partibane,and Halifa Awal, *Deep Transfer Learning Approaches in Performance Analysis of Brain Tumor Classification Using MRI Images*, Journal of Healthcare Engineering, Hindawi, Volume 2022, Article ID 3264367, March 2022,PP.1 -17.
DOI:10.1155/2022/3264367 (**Q2 Journal**)

4. Venkata Reddy P S, Nandini Prasad K S, Puttamadappa C, *Farmer's Friend: ConversationalAI BoT for Smart Agriculture*, Journal of Positive School Psychology, Vol. 6, No. 2 (2022), ISSN: 2717-7564, March 2022, pp.2541 – 2549 (**Q2 Journal**)
https://www.journalppw.com/index.php/jpsp/article/view/1833
https://www.scopus.com/sourceid/21101044228

5. Divyashree H. B, Puttamadappa C, Nandini Prasad K S, *Multi Objective Energy based HybridOptimization Algorithm for Clustering and Routing in WSN*, Journal of System and Management Sciences, Vol. 12 (2022), March 2022, No. 1, ISSN 1816-6075 (Print), 1818-0523 (Online), pp. 480-497, DOI:10.33168/JSMS.2020.013 **(Q3 Journal)**

6. Divyashree N, Nandini Prasad K.S, *Cognitive Computing Technologies, Products and Applications*, Lecture Notes on Data Engineering and Communications Technologies, Vol. 53, Springer, Singapore. https://doi.org/10.1007/978-981-15-5258-8_64, pp.677-701.

7. Venkata Reddy P S, Nandini Prasad K S, Puttamadappa C, *SASI: Smart Agriculture System Based OnIoT*, European Journal of Molecular & Clinical Medicine ISSN 2515-8260 Volume 07, Issue 08, Nov. 2020,pp.3113-3120- https://ejmcm.com/article_4825.html **(Q3 Journal)**

8. Samatha R Swamy; K.S Nandini Prasad; Paritosh Tripathi, *Smart Home Lighting System*, 2020 IEEE International Conference on Smart Innovations in Design, Environment, Management, Planning and Computing (ICSIDEMPC), 30-31 Oct. 2020, Aurangabad, India, ISBN:978-1-7281-5971-3. https://ieeexplore.ieee.org/document/9299585

9.S R Chethan, Varalakshmi N, Nandini Prasad K.S, *Energy Efficient Node Deployment for WSN to Enhance QoS*, Third IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques(ICEECCOT-2018) at GSSSIET for Women, Mysuru, 14/12/2018 and 14/12/2018. https://ieeexplore.ieee.org/document/9001428

10. Shaileshwari.M.U, Nandini Prasad.K.S, A.Paventhan, *Software Defined Networking for Smart Grid communications and security challenges*, International Conference and Exhibition on Smart Grids and Smart Cities, Springer Conference New Delhi, 7th -10th March 2017, pp. 80- 84- https://link.springer.com/chapter/10.1007/978-981-10-8249-8_9

11. Divya R, Nandini Prasad K. S, *Automation of Desktop Applications using Keyword driven approach*, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878 , Volume-8, Issue-1C, May 2019. -*(Available in SSRN eLibrary of ELSEVIER-Scopus Indexed Journal*, https://www.ijrte.org/wp-content/uploads/papers/v8i1C/A10120581C19.pdf

12. Mahesh Kalmeshwar, Nandini Prasad.K.S, *Development of On-Board Diagnostics for Car& it's Intergration with Android Mobile*, 2nd International Conference on ComputationalSystems and Information Technology for Sustainable Solutions [CSITSS 2017], IEEE Conference, Bangalore, 21st-23rd , Dec. 2017, 978-1-5386-2044-1/17- https://ieeexplore.ieee.org/document/8447540

13. Pavan Kumar, Dr. Nandini Prasad.K.S, *Novel Approach for Detecting Malicious Activity* in WSN Using Sec*uring Scheme,* 2nd International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT),IEEE Conference, Bangalore, India, 21st -23rd July 2016, 978-1-5090-2399-8, pp. 76-80- https://ieeexplore.ieee.org/abstract/document/7911968

14. Vidya M N, Dr. Nandini Prasad K S, *Adaptation Trust Based Protocol For IoT Using Smartphones in Social Media: Travel Map Guide, ,* 2nd International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT), IEEE Conference, Bangalore, India, 21st -23rd July 2016, 978-1-5090-2399-8, pp. 108-111- https://ieeexplore.ieee.org/document/7911974

15. S R Chethan, Varalakshmi N, Nandini Prasad K.S, *Energy Efficient Node Deployment for WSN to Enhance QoS*, Third IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques(ICEECCOT-2018) at GSSSIET for Women, Mysuru, 14/12/2018 and 14/12/2018- https://ieeexplore.ieee.org/document/9001428

16. Nandini Prasad K S, Pratheek T R, *Providing Anonymity Using Top down Specialization on Big Data Using Hadoop Framework*, at IEEE INDICON Conference, Jamia Millia Islamia, New Delhi, India held on 17th-20th Dec. 2015, pp.1-6- https://ieeexplore.ieee.org/document/7443205

17. Nandini Prasad K S, Priyanka S P, *Performance of Tracking Public Transport in Heterogeneous Networks* at 2015 IEEE International Conference on Research in Computational Intelligence and Communication Network (ICRCICN), RCC Institute of Technology, Kolkata, 20th -22nd November 2015, pp. 357-362- https://ieeexplore.ieee.org/document/7434264

18. Venkata Reddy Pathapalli Srinivasappa, Nandini Prasad Kanakapura Shivaprasad and Puttamadappa Chaluvegowda., *An Enhanced QoS-Aware Multipath Routing Protocol for Real-Time IoT Applications in MANETs*, Information Dynamics and Applications, 2, (2023): 51-62, Acadlore Publishing Services Limited, Hong Kong Journal. doi: https://doi.org/10.56578/ida020201- **Q3 Journal**

Published in 2026:

1. Prashant Kumar Shukla, K. S. Nandini Prasad, Bala Dhandayuthapani Veerasamy, Noha Alduaiji, Piyush Kumar Shukla & Syed Abid Hussain, *HGB-CBSNet: Hybrid gradient boosting based coot bird search network for solid waste classification in IoT-enabled smart waste management system*, Journal of Big Data, Vol. 13, Article number 13, Feb. 2026, pp. 1-41. **DOI:** https://doi.org/10.1186/s40537-026-01363-2 (**Q1 Journal**).

2. Vibhuti Save, Nandini Prasad K S, Sunita Vaibhav Gujar, P Sangeetha, Abhijit Chandratreya, Pradeep Kumar KG, Reenoo Jauhari, *Algorithmic Authority and The Posthuman Turn in Management Cultural, Ethical, and Technological Reconfigurations in The Age of Scientific Innovation*, Vol. 11, No. 3.2, Jan. 2026, pp. 1564-1577. **DOI**: 10.5281/zenodo.113225119 (**Q1 Journal**).

3. Shrinivas S. Bandiwaddar, Divyashree H. B, Nandini Prasad K. S. and Anitha Suresh, *Energy-Time Feasibility Analysis of Deterministic Actuation for Ultrasound-Powered Targeted Drug Delivery Systems*, IEEE Access, Vo. 14, October 2026, pp. 148693-148712. **DOI**: https://ieeexplore.ieee.org/document/11704788. (**Q1 Journal**).

4. Samatha R Swamy, Nandini Prasad K S, Shilpa G N, Kavitha K N, *A Multi-Level Multi-Sensor Data Fusion Framework using Hybrid Machine Learning for Knowledge Mining*, Journal of Intelligent Decision Making and Information Science, Vol. 3, No.8s, July 2026, pp.1829-1850. **DOI:** https://doi.org/10.59543/jidmis.v3.2244 **(Q1 Journal).**

5. Chenxu Duan, Kavitha S, Nandini Prasad K S, Prashant Kumar Shukla, Papiya Dutta, Jamal Alotaibi, *Deepfake detection in the age of generative AI: a systematic review of techniques, challenges, and societal implications*, International Journal of Data Science and Analytics, Vol.22, 33 (2026), November 2026, pp.1-28. **DOI:** https://doi.org/10.1007/s41060-026-01283-7 **(Q1 Journal).**

6.Ibrahim Alfadli, Bala Dhandayuthapani Veerasamy, Santosh Reddy Addula, K S Nandini Prasad, Prashant Kumar Shukla & Weam M. Binjumah, *A Hybrid Deep Learning Framework for Robust Copy-Move Forgery Detection in Digital Images* , SN Computer Science, Springer Nature, Volume 7, Article number 130, January 2026,pp. 1-24.**DOI:** https://doi.org/10.1007/s42979-025-04539-4(**Q2 Journal**).

7. Samatha R. Swamy, Nandini Prasad K S , *Decision-enhanced Hierarchical Feature Fusion for Accurate Human Activity Recognition*, International Journal of Knowledge-Based and Intelligent Engineering Systems, Vol.19, No.4, March 2026, pp. 516-530. **DOI:** 10.22266/ijies2026.0430.29 **(Q2 Journal).**

8. Valentine Kirimi Muriira, Asokan Vasudevan, Khan Sarfaraz Ali, Nandini Prasad K S , Ndimurugero Ngirabakunzi Spéciose , Ganesan P, *AI-Augmented Mobile and Data-Driven Decision Making in Business: Mapping Global Research Trends for Decent Work, Economic Growth, and Innovation*, International Journal of Interactive Mobile Technologies, eISSN: 1865-7923, Vol. 20, No. 7, March 2026, pp. 123- 137 **DOI:** https://doi.org/10.3991/ijim.v20i07.61107 **(Q2 Journal).**

9. Rishi Sayal, Pooja Kulkarni, K. S. Nandini Prasad, Ramya Srikanteswara, Papiya Dutta & Majid Altuwairiqi, *A Lightweight Multimodal Framework for Deepfake Detection in Cybersecurity and Social Media Platforms*, SN Computer Science Journal, October 2026. DOI: 10.1007/s42979-026-05391-w (**Q2 Journal**).

10. Veena R S, Nandini Prasad K S, Mesith Chaimanee, Mithileysh Sathiyanarayanan, Asokan Vasudevan, Divyashree H B, Nasyra Ab. Jamil, *Enhanced IOMT Security and Predictive Healthcare Services by Hyperparameter-Optimized Deep Learning Models*, Scientific Culture, Vol. 11, No. 3.2, (2025), pp. 1600-1613. Published in 2026. **DOI:** 10.5281/zenodo. 113225122. (**Q1 Journal**).

11. K. S. Nandini Prasad, K. R. Surabhi, P. Shreya, Sahara Kaleem Shaikh, H. Shashank & B. S.Varun, *Design and Development of Fabric Fault Finder Using Image Processing and Machine Learning*, Proceedings of International Conference on Information Technology and Artificial Intelligence, ITAI 2025, Lecture Notes in Networks and Systems (LNNS), Springer, Singapore, Volume 1542, January 2026, pp 237–247. **DOI:** https://doi.org/10.1007/978-981-96-9682-6_18 (**Q4 Journal**).

12. Y. B. Jadhav, D. Singh, N. P. K. S., B. R., K. B. V. B. Rao and R. Naveenkumar, "*Federated Learning Based Cyber Defense for Large-Scale High-Speed Networks*," 13*th International Conference on Computing for Sustainable Global Development (INDIACom)*, New Delhi, India, May 2026, pp. 1-6. (**IEEE- Scopus Indexed Conference**). **DOI:** 10.23919/INDIACom70271.2026.11525442.

13. Nandini Prasad K S; Surabhi K R; Sanya Bekal; Yashas R; Tarun M C; Shalini K B, "*MedSecure: Healthcare Data Protection Model using Hybrid Cryptography and Blockchain Technology*," *2026* 7th International Conference on Electronics and Sustainable Communication Systems (ICESC), Coimbatore, India, 2026, pp. 1061-1066. **Added to IEEE Xplore on 17 September 2026. DOI:** 10.1109/ICESC70182.2026.11687081.

14. Nandini Prasad. K S, Namitha. K Y, Abhinay. R M, Amita. R C, Gourav Ramesh, Sanjana Maidur , "*AHFCIM: AI-Powered Hybrid Food Code Interpretation Model with Chatbot-Driven Mobile Application to Support Sustainable Health and Well-Being*," 2026 2nd International Conference on Ambient Intelligence, Knowledge Informatics and Industrial Electronics (AIKIIE), Ballari, India, 2026, pp. 1-6. **Added to IEEE Xplore on** 06 October 2026. **DOI:** 10.1109/AIKIIE69997.2026.11708267.
(**Received BEST Paper Award**)

15. Nandini Prasad. K S, Krishnaveni Debnath, Pooja. C A, Prerana. A M; Poojitha. S, Shalini. K B,"*Drone for Plant Disease Detection Using IoT and Machine Learning*," 2026 2nd International Conference on Ambient Intelligence, Knowledge Informatics and Industrial Electronics (AIKIIE), Ballari, India, 2026, pp. 1-7. **Added to IEEE Xplore on** 06 October 2026. **DOI:** 10.1109/AIKIIE69997.2026.11707873.

16.Nandini Prasad. K S, Suma. V, Bhavana. M S, Brunda. M, Deepika. M, Devika. M, " *UAV Swarm Intelligence Framework – SOAR Enabled Cognitive and Neuromorphic Design*", 2026 2nd International Conference on Distributed Systems, Computer Networks and Cybersecurity (ICDSCNC), 28-29 August 2026, SKIT, Bangalore, pp. 1-7. **Added to IEEE Xplore on** 02 November 2026. **(IEEE- Scopus Indexed Conference). DOI:** 10.1109/ICDSCNC70670.2026.11746484.

17. **Book Chapter:**

Divyashree, H.B., Puttamadappa, C., Nandini Prasad, K.S, *QOS Aware Secure Cluster-Based Routing for Wireless Sensor Networks Using a Multi-Objective-Trust Centric Artificial Algae Algorithm*, Lecture Notes in Electrical Engineering, Vol. 1467, 2026 Springer, Singapore. (**Scopus Indexed)**
DOI: 10.1007/978-981-95-0788-7_4

Published in 2025:

1. J. Maria Shanthi, Nandini Prasad K. S., B Prameela Rani,G. Santosh Kumar, Santosh Kumar Vududala, Amit Gupta, *Early Earthquake Prediction Using Machine Learning Technique for North Part of India Saving Human Life*, Journal of Information Systems Engineering and Management, March 2025, Vol. 10 No. 51 (2025), pp.270-279. DOI: https://doi.org/10.52783/jisem.v10i51s.10387 (**Q3 Journal**)

2. **Book Chapter:** Divyashree Habbanakuppe Balachandra, Puttamadappa Chaluve Gowda, Nandini Prasad Kanakapura Shivaprasad, Supraja Eduru, *Trust-Based Optimization Routing Algorithm for Wireless Sensor Networks Using Enhanced M-TCAAA Technique*, Security and Privacy Issues for IoT and WSN-based Real-time Applications, Chapman and Hall/CRC, New York, Taylor & Francis Group, 16 June 2025 , ISBN: 9781003491910, DOI: https://doi.org/10.1201/9781003491910 (**Q4-Scopus Publication**)

3.Nandini Prasad K S, Samatha R Swamy, Harshitha Deepanjali, Abhishek Aryan, Adarsh Kishore, Ayushman Karan, *Design and Development of AI - IoT Based Smart Helmet to Ensure Safe Driving*, 2025 – 3rd IEEE International Conference on Knowledge Engineering and Communication Systems (ICKECS – 2025), April 28 – 29, 2025, pp. 1-6, Published in June 2025; Added to IEEE Xplore on 24 June 2025.https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=11036017
DOI: 10.1109/ICKECS65700.2025.11036017 (**IEEE -Scopus Conference/Book chapter**)

4.Chaya P, Nandini Prasad K S, *An Energy-Efficient and Secure Routing Protocol for Wireless Sensor Networks Using Zebra Optimization*, 7th International Conference on Inventive Material Science and Applications (ICIMA), 28-30 May 2025, pp. 467-473, Namakkal, India, Added to IEEE Xplore on 15 July 2025, DOI: 10.1109/ICIMA64861.2025.11073949. (**IEEE -Scopus Conference**)

5.Chaya Puttaswamy, Nandini Prasad Kanakapura Shivaprasad, *Secure Data Transmission Towards Mitigating Potentially Unknown Threats in Wireless Sensor Network*, Indonesian Journal of Electrical Engineering and Computer Science, Vol. 39, No. 1, July 2025, pp. 523-530, ISSN: 2502-4752, DOI: 10.11591/ijeecs.v39.i1.pp523-530. (**Q4 Journal)**

6.C. Rajendran, Zaid Ajzan Balassem, K S Nandini Prasad, Syed Hayanth, V. Suma, Debarghya Biswas, *Dynamic Load Balancing in Dense Urban Mobile Networks*, Journal of Internet Services and Information Security (JISIS), Volume 15, Number: 2, July 2025, pp. 447-458, ISSN: 2182-2069. DOI: 10.58346/JISIS. 2025.I2.032 **(Q2 Journal)**

7. Samatha R. Swamy, K. S. Nandini Prasad, R Sunitha, *Enhancing Human Motion Recognition Through Multi-Sensor Data Fusion and Deep Learning for Smart Decision Support Systems*, Ingénierie des Systèmes, Vol. 30, No. 6, June 2025 (Indexed in Aug. 2025), pp. 1621-1628. https://doi.org/10.18280/isi.300620 (**Q3 Journal**)

8.Aziz T.S.A.; Ramalingam V.; Nandini Prasad K.S.; Devadhas D.N.P.; Kumar A., *Integrating Emotion Aware AI for Hyper Personalized Consumer Targeting in Next Generation Man Machine Computing Environments*, Journal of Machine and Computing 5(4) (Oct. 2025), pp. 2019-2037. DOI: https://doi.org/10.53759/7669/jmc202505158 **(Q2 Journal)**

9.Revathi Pemmaraju, Rajesh. N, G. Anil Kumar, Nandini Prasad. K S, Adam Smith. G, *You Only Look Once Version-7 with Pose Estimation to Enhance Robotics Learning in Augmented Reality Environments*, *2025 2nd International Conference on Software, Systems and Information Technology (SSITCON)*, Tumkur, India, January 2026, pp. 1-6. (**IEEE- Scopus Indexed Conference**) **DOI**: https://ieeexplore.ieee.org/document/11341952/authors#authors

10. M. S. Koti, S. Warad, K. S. Nandini Prasad, B. Spandana, C. Vinutha and M. R. Jagadeesh, "*Real-Time Data Integration in Training and FineTuning Large Language Models (LLMs)*," Indexed March *2026, International Conference on Computational Innovations and Sustainable Technologies (ICCIST)*, Bangalore, India, 2025, pp. 1-6. (**IEEE- Scopus Indexed Conference**)
DOI: 10.1109/ICCIST67338.2025.11438696.

11. **Book Chapter:**

Nazeerunnisa Qureshey, K. S. Nandini Prasad, S. L. Nisha, Yarlagadda Anuradha, Chaitanya Krishna Kasaraneni, M. Nagabhushana Rao, *Reinforcement Learning For Decision Making***,** Technology Developments in Computer Intelligence and their Applications in the era of Industry 5.0, Taylor and Francis, 1st Edition, January 2026, pp. 1-22. (**Scopus Indexed)**

DOI: https://doi.org/10.1201/9781003568995

Published in 2024:

1. Samatha R. Swamy and Nandini Prasad K S, *Revolutionizing Healthcare Intelligence Multisensory Data Fusion with Cutting-Edge Machine Learning and Deep Learning for Patients' Cognitive Knowledge*, 2024 International Conference on Knowledge Engineering and Communication Systems (ICKECS), Chikkaballapur, India, 2024, pp. 1-7, **DOI:** 10.1109/ICKECS61492.2024.10616464.

2.**Book Chapter:** Chaya P, Nandini Prasad K S, *Secure Data Transmission Scheme in Wireless Sensor Network Resisting Unknown Lethal Threats*, Lecture Notes in Networks and Systems, Feb.2024, LNNS, pp. 196–207. **DOI**:10.1007/978-3-031-53549-9_20

3. **Book Chapter:** Vignesh Swaminathan, Sridhar N. Koka, Saranya Krishna Gajula, K. S. Nandini Prasad , *AI and Blockchain in Food and Beverage: Marketing 5.0 Approach*, Innovative Computing and Communications, July 2024, pp.55-64. **DOI**: 10.1007/978-981-97-3591-4_5

4.G N Keshava Murthy, Sujata Joshi, Dr. Rekha H, Usha B. S, Nandini Prasad K S , *MRI Intracranial Neoplasm*

Localization Using Convolution Neural Network Based Residual Block ResUnet: A Systematic Approach, International Journal of Electrical and Electronics Research, Dec. 2023, Volume 11(Issue 4), pp. 1128–1135. **DOI:** https://doi.org/10.37391/ijeer.110433 **(Q3 Journal)**

5. Chaya P, Nandini Prasad K S, *A Comprehensive Review of Security Challenges and Attack Vectors in Wireless Sensor Networks*, Nanotechnology Perceptions, ISSN 1660-6795, August 2024, Vol.20 No. S10 (2024), pp. 1147-1165. **DOI :** https://doi.org/10.62441/nano-ntp.v20iS10.2294 **(Q4 Journal)**

6.Nandini Prasad, K.S. Sudhanva, S., Tarun, T.N, Yuvraaj, Y., Vishal, D.A., Conversational Chatbot Builder - Smarter Virtual Assistance with Domain Specific AI, 2023 4th International Conference for Emerging Technology, INCET 2023, JCE, Belagavi, May 26-28, 2023 (**IEEE Conference**)
DOI: https://ieeexplore.ieee.org/abstract/document/10170114

7. Nandini Prasad K S, Manjula G, Aishwarya K J, Chetankumar, K N Bhanu Prakash, V Sai Chandan, *Eco-Detect: A Sustainable Solution to Advanced Waste Sorting using AI and IoT*, Fourth International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS-2024), Erode, Tamil Nadu, December 2024; ISBN: 979-8-3315-2962-8, pp. 1-9. (**IEEE -Scopus Conference**); Added to IEEE Xplore on 13 February 2025 . DOI: 10.1109/ICUIS64676.2024.10866251

8.Nandini Prasad K S, Mandar Jatkar, Prajwal Kumar, Poornima Arya, Jyoti Kumari, Ankit Garg, *Military Grade FPV Drone for Enemy Recognition*, 1st IEEE International Conference on Emerging Technologies & Innovation for Sustainability-2024, held from December 20-21, 2024, in Greater Noida, India; Published in IEEE Xplore on 21 April 2025. (**IEEE -Scopus Conference**) DOI: 10.1109/EmergIN63207.2024.10961345.

2023:

1. Nandini Prasad, K.S., Sudhanva, S., Tarun, T.N., Yuvraaj, Y., Vishal, D.A. , *Conversational Chatbot Builder - Smarter Virtual Assistance with Domain Specific AI,* 4th International Conference for Emerging Technology, INCET 2023, IEEE 2023, May 26-28, 2023.

DOI: 10.1109/INCET57972.2023.10170114

https://ieeexplore.ieee.org/document/10170114

2. Second International Conference on Advanced Technologies in Intelligent Control, Environment, Computing & Communication Engineering (ICATIECE), DSATM, Bangalore from 16th to 17th December 2023. (**Won "Best Paper Award"**)

2022:

1. Divyashree, H.B., Puttamadappa, C., Nandini Prasad, K.S., *Hybrid Optimization algorithm for clustering and Routing in WSN*, ***IEEE*** 2nd Mysore Sub Section International Conference (MysuruCon), Mysuru, India, 2022, pp. 1-7, doi: 10.1109/MysuruCon55714.2022.9972723.

2. Samatha. R. Swamy and Nandini Prasad. K S, "Hybrid Machine Learning Model for Early Discovery and Prediction of Polycystic Ovary Syndrome," *2022 Second International Conference on Advanced Technologies in Intelligent Control, Environment, Computing & Communication Engineering (ICATIECE)*, Bangalore, India, 2022, pp. 1-8, doi: 10.1109/ICATIECE56365.2022.10047488. (**Won "Best Paper Award"**)
https://ieeexplore.ieee.org/document/10047488

2021:

1. Divyashree N, Nandini Prasad K.S, *Algorithms: Supervised machine Learning Types and Their Application Domains*, 2nd International Conference Sustainable Experts Systems (ICSES 2021),**Springer Conference**, organized by Tribhuvan University, Nepal from 17-18th, Sep.2021, pp.1-22. (**Book Chapter:** Proceedings of Second International Conference on Sustainable Expert Systems, **Springer** Publications, Volume 351, ISBN: 978-981-16-7656-7)

2. Ashwini Kumari M, Nandini Prasad K S, *A Behavioral Study of Advanced Security Attacks in Enterprise Networks*, 5th International Conference on Computational Systems and Information Technology for Sustainable Solution (CSITSS-2021), **IEEE conference** held at R.V.College of Engineering, Bangalore, India, Dec.16th-18th, 2021.

3. Akshatha S, Nandini Prasad K.S, Divyashree N, *An Application on Fake Account Detection using Machine Learning*, International Conference on Advances in Communication and Computing Technology (ICACCT-2021) at Guru Nanak Dev Engineering College Karnataka in Joint Collaboration with Universiti Tunku Abdul Rahman, Malaysia and Universiti Teknologi Petronas, Malaysia from 28th-29th , December 2021, pp. 439-444.

2020:

1. Divyashree N, Nandini Prasad K.S, Cognitive Computing Technologies, Products and Applications, International Conference on Evolutionary Computing and Mobile Sustainable Networks (ICECMSN 2020), Springer Conference, 20-21 February 2020 atSir M. Visvesvaraya Institute of Technology, Bangalore, India.
(**Won "Best Paper Award"**)

2. Samatha R Swamy; K.S Nandini Prasad; Paritosh Tripathi, *Smart Home Lighting System*, 2020 IEEE International Conference on Smart Innovations in Design, Environment, Management, Planning and Computing (ICSIDEMPC), 30-31 Oct. 2020, Aurangabad, India, ISBN:978-1-7281-5971-3, pp. 75-81.https://ieeexplore.ieee.org/document/9299585

3. Divyashree H B, Dr. Puttamadappa C, Dr.Nandini Prasad K S, *Performance Analysis and Enhancement of QOS Parameters for Real Time Applications under various network scenarios in MANETs: A Survey*, 2020 5th **IEEE** International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2020)", on 12th -13th November 2020 Organized by Sri Venkateshwara College Of Engineering, Bengaluru (SVCE), Bengaluru, India, pp. 256–260, 9315547. https://ieeexplore.ieee.org/document/9315547

2019:

1.Divya, Nandini Prasad K.S, *Automation of Desktop Applications using Keyword driven approach*, Second International Conference on Emerging Trends in Science & Technologies for Engineering Systems, **Elsevier Conference** from 17/5/2019 to 18/5/2019, pp. 57–61.

2.Chaya P, Nandini Prasad K.S, Varalakshmi N, *Investigation of Threats, Vulnerabilities, Attacks and Approaches in Wireless Sensor Network*, Second International Conference on Advances in Electrical, Electronic and System Engineering (ICAEESE 2019) organised by Gauhati University in collaboration with the University Kebangsaan Malaysia (UKM) and the Abdus Salam International Center for Theoretical Physics (ICTP), Trieste, Italy at Gauhati, Assam, **IEEE Conference** from 2/11/2019 to 3/11/2019.

2018:

1. Nandini Prasad K.S, *Energy Efficient Node Deployment for WSN to Enhance QoS*, Third **IEEE** International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques(ICEECCOT-2018) at GSSSIET for Women, Mysuru, 14/12/2018 and 14/12/2018, pp. 167–171, 9001428.

2. Nandini Prasad K.S, Chetana Srinivas, *A Comparative Study onMedical Image Processing Using Big Data AnalyticsFrameworks,* Third **IEEE** International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT-2018) at GSSSIET for Women, Mysuru, 14th and 15th Dec.2018.

2017:

1. Shaileshwari.M.U, Nandini Prasad.K.S, A.Paventhan, *Software Defined Networking for Smart Grid communications and security challenges*, International Conference and Exhibition on Smart Grids and Smart Cities, **Springer Conference** New Delhi, 7th -10th March 2017, pp. 103- 112. - **Book Chapter**

2. Mahesh Kalmeshwar, Nandini Prasad.K.S, *Development of On-Board Diagnostics for Car & it's Intergration with Android Mobile*, 2nd International Conference on Computational Systems and Information Technology for Sustainable Solutions [CSITSS 2017], **IEEE Conference**, Bangalore, 21st-23rd , Dec. 2017, 978-1-5386-2044-1/17, pp. 1-6.

2016:

1. Pavan Kumar, Dr. Nandini Prasad.K.S, *Novel Approach for Detecting Malicious Activity* in WSN Using Sec*uring Scheme,* 2nd International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT),**IEEE Conference**, Bangalore, India, 21st -23rd July 2016, 978-1-5090-2399-8, pp. 76-80.

2. Vidya M N, Dr. Nandini Prasad K S, *Adaptation Trust Based Protocol for IoT Using Smartphones in Social Media: Travel Map Guide*, 2nd International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT), **IEEE Conference**, Bangalore, India, 21st -23rd July 2016, 978-1-5090-2399-8, pp. 109-113.

3. Suhas Bhat M, Suhas S, Prashant Pradhan, Nandini Prasad.K.S, *Design and Management of Response System For Vehicle Collision*, International Conference on Development of Smart Cities: Interface, Governance and Technology(ICDSC), Dr. Ambedkar Institute of Technology, Bengaluru, Sep.9-10, 2016,pp. 8.

4. Sandeep.S, Abhishek. D , Chandrashekar, Nandini Prasad.K.S, *Smart Parking System Using IOT*, International Conference on Development of Smart Cities: Interface, Governance and Technology(ICDSC), Dr. Ambedkar Institute of Technology, Bengaluru, Sep.9-10, 2016,pp.9.

2015:

1. Dr. Nandini Prasad K S, Chethana Srinivas, *Security and Privacy in Cloud Computing to Guarantee Simultaneous Localization of Data Errors*, 2nd International Conference on Advances in Computer Science and Engineering (ICACE 2015), Mysore, India, March 02, 2015, ISBN: 978-93-5196-858-0, pp. 19-23.
2. Nandini Prasad K S, Ashwini N, Pooja B, Chaithra C, Komala C S, *Multilevel Adaptive MapReduce and Consistent Scheduling In Hadoop Distributed File System* at International Conference on Emerging Trends in Engineering and Technology (ICET-15), Institute for Engineering Research and Publication (IFERP), Bangalore, India, 4th – 5th July 2015, pp.10-15.
3. Nandini Prasad K S, Priyanka S P, *Performance of Tracking Public Transport in Heterogeneous Networks* at 2015 **IEEE** International Conference on Research in Computational Intelligence and Communication Network (ICRCICN), RCC Institute of Technology, Kolkata, 20^{th} -22^{nd} November 2015, pp. 357-362.
4. Nandini Prasad K S, Pratheek T R, *Providing Anonymity Using Top down Specialization on Big Data Using Hadoop Framework*, at **IEEE INDICON** Conference, Jamia Millia Islamia, New Delhi, India held on 17^{th}-20^{th} Dec. 2015, pp.1-6.

2014:

1. Nandini Prasad K S, Shamshekhar Patil, *Performance Analysis and Evaluation of Ad hoc Network Protocols in MAC layer for MANETs* at Second International Conference on *Emerging Research in Computing, Information, Communication and Applications (*ERCICA 2014) at Nitte Meenakshi Institute of Technology, Bangalore from 1^{st} Aug.-2^{nd} Aug. 2014, Elsevier Publication, ISBN: 9789351072607, pp. 727-733.

2013:

1. Nandini Prasad K S, Surekha K B, Puttamadappa C, Basavaraju T G, *Efficient Mechanism for Selecting and Forwarding Data for Energy Saving Using Wireless Sensor Networks* at International Scientific Academy of Engineering and Technology (ISAET 2013), Pattaya, Bangkok from 23/4/2013-24/4/2013, pp. 47-50.

2. Nandini Prasad K S, Dr. Thimmaraju S N, Sham Shekhar S Patil, Pavithra G S, *Query Processing System for Mobile Users* at International Conference on Information & Communication Engineering (ICICE-2013), Dr. AIT from 28/06/2013- 29/06/2013, pp.13.

3. Nandini Prasad K S, Prabha R, Saritha K R, *Secure Intrusion Detection System in MANETS* at International Conference on Convergence of Science, Engineering and Management in Education and Research (ICCSEM), ISSN: 2248-9622, Vol. 3, Issue 5, 26/09/2013-27/09/2013, pp.15-20.

2012:

1. Nandini Prasad K S, Pranavjeet Mishra, Ranganathan C, Naveen Kumar M, Tejas S, *IP based communication using a SIP Phone* at International Conference on Advanced Computer Theory and Engineering (ICACTE) & International Conference on Advanced Electrical, Electronics Engineering and Application (ICAEEEA), Institute for research and development, Bangalore on 2/9/12, pp, 05-109.

2011:

1. Dr. Thimmaraju S N, Nandini Prasad K S, Rajashree K, Dinakar K S and Aeishwary Mishra, *Performance Evaluation of BWR Mechanism in Mac 802.16 For WiMax In Pervasive Computing Environment Using NS-2* at International conference on Data Engineering and Communication Systems, RNSIT, Bangalore from 30/12/11-31/12/11, pp. 319-324.

2009:

1. Nandini Prasad K S, G R Veerendra and Puttamadappa C, *Mobile Hosts Interaction over Integrated IP and Wireless Ad Hoc Networks* IACSIT-SC, International Association of Computer Science and Information Technology – IEEE Spring Conference, Singapore from 17/4/09-20/4/09, pp.155-159.

2. Nandini Prasad K S, Sandesh K R and Shilpa Srinivasan, *Critical Aspect of Software Engineering: Software Testing* at Third International Conference on Information Processing, University Visvesvaraya College of Engineering, Bangalore University, Bangalore from 07/8/09-09/8/09, pp.747-748.

Awards

2026:

Awarded as **"Best Women Researcher"** on Women's Day-2026 at Dayananda Sagar Academy of Technology and Management (DSATM).

2025:

Awarded as **"Best Professional Performer 2024-2025"** on Teacher's Day/ Engineer's Day at Dayananda Sagar Academy of Technology and Management (DSATM).

2024:

Awarded as **"Best Professional Performer 2023-2024"** on Teacher's Day/ Engineer's Day at Dayananda Sagar Academy of Technology and Management (DSATM).

Recognized by NPTEL as "**NPTEL STAR**" for the year 2024.

2023:

"Women Researcher of the Year" on Women's Day (8.3.2023) by Powered by Raj Square Charity Foundation, and MSME Chamber of Commerce & Industry of India.

Won "**Best Paper Award**" at International Conference on "Advances in Materials, Ceramics and Engineering Sciences- 2023" held at DSCE from 13th to 15th March, 2023

2022:

National Faculty Award 2021-2022 from Novel Research Academy was awarded "Best **Woman Faculty Award**" on 7/1/2022

Won "**Best Paper Award**" at Second International Conference on Advanced Technologies in Intelligent Control, Environment, Computing & Communication Engineering (ICATIECE),

DSATM, Bangalore from 16th to 17th December 2023.

2020:

Won "**Best Paper Award**" Divyashree N, Nandini Prasad K.S, International Conference on Evolutionary Computing and Mobile Sustainable Networks (ICECMSN 2020), Springer Conference, 20-21 February 2020 at Sir M. Visvesvaraya Institute of Technology, Bangalore, India**.**
Paper Title: Cognitive Computing Technologies, Products and Applications

Recognized by NPTEL as **"NPTEL ENTHUSIAST"** in Dec.2020

Received **"Certificate of Appreciation" from NPTEL** for Jan.to Dec.2020 courses

2019:

Received **"Certificate of Appreciation"** from **NPTEL** (National Programme on Technology Enhanced Learning) for having cleared 6 subjects at a time from June to Dec.2019 courses

2012:

1. Won 1st place for paper presentation at International Conference on Advanced Computer Theory and Engineering (ICACTE) & International Conference on Advanced Electrical, Electronics Engineering and Application(ICAEEEA), Institute for research and development(IRD), Bangalore on 2/9/12.

Details of paper: Nandini Prasad K S, Pranavjeet Mishra, Ranganathan C, Naveen Kumar M, Tejas S, "*IP based communication using a SIP Phone*", pp. 105-109.

2. Received "*Bharat Jyothi Award*" by India International Friendship Society on 29 Aug. 2012 at New Delhi.

2008:

Won 3rd prize at National Level Technical Symposium at Shirdi Sai college of Engg., Anekal, Bangalore on 23/10/2008.

Details of paper: Nandini Prasad K S, Chaitra N and Gana G, "*Nano Technology*", pp. 8.

Certifications Completed

NPTEL:

1. Introduction to Machine Learning: July-Sep. 2019
2. Switching Circuits and Logic Design: July-Oct. 2019
3. Theory of Computation: July-Sep. 2019
4. Python for Data Science: Aug.-Sep. 2019
5. Developing Soft Skills and Personality: Aug.-Oct. 2019
6. Accreditation and Outcome based Learning: Aug.-Oct. 2019
7. NBA Accreditation and Teaching - Learning in Engineering (NATE): Jan.-Apr. 2020
8. Introduction to internet of things: Jan.-Apr. 2020
9. Introduction to Blockchain Technology and Applications: Feb.-Apr. 2020
10. Data Science for Engineers: Sep.-Nov. 2020
11. Deep Learning: Sep.-Dec. 2020
12. Learning Analytics Tools: Sep.-Dec. 2020
13. Practical Machine Learning with Tensorflow: Sep.-Nov. 2020
14. Big Data Computing: Aug.-Oct. 2021
15. Deep Learning - IIT Ropar: Jan.-Apr. 2022
16. Natural Language Processing-IIT Kharagpur: July-Oct. 2023
17. Introduction to Automata, Languages and Computation: Jan.-Apr. 2024
18. Compiler Design: Jan.-Apr. 2024
19. AI in Human Resource Management: Jan.-Apr. 2025
20. Affective Computing: Jan.-Apr. 2025

COURSERA:

1. **IBM** Introduction to Machine Learning: Aug.2, 2022
    - Exploratory Data Analysis for Machine Learning
    - Supervised Machine Learning: Classification
    - Supervised Machine Learning: Regression
    - Unsupervised Machine Learning
2. **Stanford:** Machine Learning by Andew Ng.: Oct. 7, 2020.

UDEMY:

1. Cyber Security Fundamentals: March 20, 2023
2. Outcome Based education (OBE) & Academic Quality Assurance: April 28, 2023
3. The Design and Analysis of Algorithm Masterclass: July13, 2023
4. Design Thinking Crash Course-From Beginner to Practitioner: July 21, 2023
5. Rust Programming Language: The Complete Reference: Nov. 14, 2024
6. Complete Prompt Engineering, ChatGPT & AI Bootcamp: May 27, 2026
7. From Prompt Engineering to Agent Engineering: June 3, 2026

Academic Activity

INTERACTION WITH OUTSIDE WORLD:

Rendered service as a **Proctor** at NIT, Warangal during **Student Learning Assessment Survey** from 26/3/2019 to 27/3/2019 appointed by NPIU (National Project Implementation Unit) in collaboration with Stanford University and other foreign universities.

GUEST LECTURES DELIVERED:

1. Speaker on Windows for 10 days training programme on *Computer Literacy (for rural students)* under TEQIP under services to community from 23/3/2007 – 1/4/2007.
1. Speaker on Introduction to Computers for 5 days training programme on *Computer Literacy (for housewives)* under TEQIP under services to community from 28/11/2007 – 3/12/2007.
4 *Delivered guest lecture* at Dept. of CSE & ISE, Auden Technology and Management Academy from 19/4/10-20/4/10.
5 *Delivered guest lecture* at Dept. of ISE, East West Institute of Technology on 21/2/11.
6 *Delivered guest lecture* at Dept. of CSE, East West Institute of Technology on 15/3/11.
7 *Delivered guest lecture* at Dept. of CSE & ISE, East West Institute of Technology on 9/5/11.
8 *Delivered lecture in* TEQIP-III workshop on *Recent Trends in Industry and Academia* Organized jointly by Institute of Engineering Technology, Dr.Rammanohar Lohia Avadh University, Faizabad and Dr.AIT under twinning activities of TEQIP-III held from 27/10/2018 to 2/11/2018.
9 *Delivered lecture in* TEQIP-III Sponsored National Workshop FDP on *Pedagogy and Active Learning* at Samrat Ashok Technological Institute, Vidisha, Madhya Pradesh from 20/5/2019 to 25/5/2019.
10 Delivered lecture in National Workshop on FDP for Improving Teaching, Research and Learning Competence at Leh-Ladakh, Jammu & Kashmir held from 25/6/2019 to 29/6/2019.
11 Speaker during 3 Day Faculty Development Program (Online) on "Emerging Technologies in Advanced Computing "on "Six Sigma" on 29th August 2020, at EWIT, Bengaluru.
12 Was invited and delivered Chief guest address on *Project Exhibition 2021* at EWIT on 15/7/2021.
13 Delivered lecture (Online) on *Code Optimization* at Atria Institute of Technology, Bengaluru on 28/7/2021.
14 Delivered lecture (Both Offline and Online) on *Activity Based Learning: Managing the Teaching Learning Process* at Dr.AIT under AICTE-Margadarshan Scheme on 14/12/2021.
15 Delivered lecture (Online) at 5 days FDP on *Machine Learning for Multidisciplinary Fields* at SRM Institute of Science and Technology, Kattankulathur Campus, Chengalpattu, Tamil Nadu, India in association with MIT Square, London form 27/10/2022 to 31/10/2022
16 Delivered talk (Online) at *International Conference on Transformation Through Innovation and Reinvention in Business Practices-2022* at Shri Krishnaswamy College for Women, Chennai on 17/03/2023
17 Delivered technical talk for PG Students at VTU Regional Centre, Mysore on 22/05/2023.

Faculty Development Activity

WORKSHOPS/SEMINARS/SYMPOSIUMS ATTENDED:

2023:

1. Attended *Cognizant Digital Nurture Reverence-Faculty Enrichment Program* on 10/1/2023.
2. Five days Hybrid Faculty Development Programme on *National Education Policy for Skill India & Data Analytics and Cloud Computing* in collaboration with Institute of Engineers (India) & Edunet Foundation &EYGDS (LONDON) conducted from 10th -15th April 2023.

2022(Online):

1. Two days online workshop on *National Cyber Safety and Security Standards* in association with National Cyber Defence Research Center (NCDRC) organized by Bapuji Institute of Engineering and Technology, Davanagere from 6/1/2022 to 7/1/2022.
2. Webinar on *Live NAAC Software product Demo - Ki-NAAC Software* by Kramah Software Pvt. Ltd. 7/4/ 2022.
3. Faculty Training Program on *Industry 4.0* organized by IEEE India Council during April 2nd and 3rd,2022 through online.

2021(Online):

1. TEQIP-III sponsored five-day online workshop on *Machine Learning and Applications* organized by the Department of Electronics and Communication Engineering, National Institute of Technology Karnataka, Surathkal from 22/2/2021 to 26/2/2021.
2. National Webinar on *POST COVID-19 ERA IN EDUCATION and TECHNOLOGY* organized by Department of Computer Science & Engineering in association with NOUS INFOSYSTEMS at Dr.AIT, Bengaluru on 05/06/2021.
3. Five days National workshop on Engineering-Researches & Innovation to win over COVID-19 –IDEATHON 2021, Organized by IET, Ayodhya from 7/6/2021 to 11/6/2021
4. **August 2021:** Five days online FDP Programme on *Research Innovation & Recent Trends in Electrical & Electronics Engineering* conducted by Department of Electrical and Electronics Engineering, SJBIT, Bengaluru from 16/8/2021 to 20/8/2021.
5. *National Workshop on Virtual Lab* organized by ABV-IIITM Gwalior, MITS Gwalior and Shiksha Sanskriti Nyas, Madhya Bharat Prant on 21/8/2021.
6. Participated in 5 days online faculty development programme on *Quantum Information System and Machine Learning* organized by Departments of Information Science & Engineering, Computer Science & Engineering, and Master of Computer Applications, RIT in association with IEEE-CIS Bangalore Chapter from 23/8/2021 to 27/8/2021.

2020:

1. Short course on *Data Science & Analytics*,Knowledge Network of IIT Gandhinagar Under TEQIP-III initiative, IIT Gandhinagar, Gujarat from 17/2/2020 to 27/2/2020.

ONLINE Webinars Attended:

1. National Seminar on *Significant Role of E-Education through Social Distancing During Lock down of Covid-19 Pandemic* organized by IET,Ayodhya & Dr.AIT in collaboration with SPIU, Uttar Pradesh from 8/4/2020 to 9/4/2020.
2. National Webinar on *Virtual Labs* organized by IET,Ayodhya & Dr.AIT in collaboration with

SPIU, Uttar Pradesh on 16/4/2020.

3. Webinar titled *A Systematic Software Based Approach to Implement Outcome Based Education to Achieve Academic Excellence Leading to Accreditation Readiness* through IonCUDOS by Ionidea on 24/4/2020.

4. Online Faculty Development Program (FDP) on *Contemporary tools and techniques for teachers and researchers in Higher Education: Experience of using Virtual Classrooms* held at Cambridge Institute of Technology, Bangalore on 9/5/2020.

5. Completed Gustovalley Technovation's Online Training on *Image processing and Computer vision* from 15/05/2020 to 17/05/2020.

Webinar on *Making an Effective Research Proposal - The Winning Way* organized by VKIT, Bangalore on 28/5/2020.

5. Online Training on *Image Processing and Computer Vision* organized by Gustovalley Technovations from 15/05/2020 to 17/05/2020

6. National Level One Week Faculty Development Programme on *Recent Trends in Data Science* organized by Theem College of Engineering, Maharashtra from 01/7/2020 to 05/7/2020.

7. One Week Online Faculty Development Programme on *Recent Trends In Engineering: Industry Perspective* organized by Dr Ambedkar Institute of Technology, Bengaluru under Department of ISE from 26/7/2020 to 30/7/2020.

8.Five Days Faculty Development Programme on *E Content Creation for MOOCs and MOODLE* organized by Institute of Engineering and Technology Dr.Rammanohar Lohia Avadh University, Ayodhya,UP in collaboration with IIT-Bombay Spoken Tutorial from 10/7/2020 to 14/7/2020. This training is offered by the Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt. of India.

9. Five Days Faculty Development Programme on *Trends in Data Science* organized by M S Ramaiah Institute of Technology, Bengaluru under Department of MCA, Department of CSE and Department of ISE from 13/7/2020 to 17/7/2020.

10. Online Faculty Development Programme on *Advanced Optimization Techniques and Hands-on with MATLAB/SCILAB* jointly organized by Electronics and ICT Academy MNIT Jaipur, NIT Patna and PDPM IIITDM Jabalpur from 13/07/2020 to 24/07/2020.

11. Five Days National Workshop on *Learning by Performing Through Virtual Labs* organized by Institute of Engineering and Technology Dr.Rammanohar Lohia Avadh University, Ayodhya,UP under Department of Electronics and Communication Engineering and Department of Electrical Engineering from 1/7/2020 to 5/7/2020

12. National Level Webinar on *Software Testing Tools and Its Methodologies* by Vivekananda Institute of Technology, Bengaluru under Department of CSE from 3/7/2020 to 5/7/2020.

13. One Week Online FDP on *Recent Trends in Engineering: Industry Perspective* organized by department of ISE, Dr.AIT, Bangalore from 26/7/2020 to 30/7/2020

*14.*One Week Online FDP on *Emerging Trends and Applications of Artificial Intelligence* organized by department of ISE, Dr.AIT, Bangalore from 10/8/2020 to 14/8/2020

15. 5 days National Level Online Faculty Development Program on *Deep Learning Techniques and Applications* organized by Department of Electronics and Communication Engineering, GAT, Bengaluru from 03/8/2020 to 07/8/2020.

16. Six Day Faculty Development Program on *Trends in IoT, Medical Image and Speech Processing*, organized by Department of Information Science and Engineering, Siddaganga Institute of Technology, Tumakuru from 4/8/2020 to 9/8/2020.

2019:

1. FDP on *Internet of Things (IoT) with Cloud Applications* conducted by Electronics & ICT Academy, IIT Roorkee at Shri Mata Vaishno Devi University (SMVDU), Katra from 4/2/2019 to 8/2/2019.
2. NAAC sponsored National Seminar on *Emerging Trends in Quality Education: A Road Map* organized by IQAC of Dr.AIT from 15/02/2019 to 16/2/2019
3. One-Week FDP on *Behavioural Remodeling & Use of ICT Tools for Classroom Delivery of Teachers* jointly organized by E&ICT Academy IIT Guwahati & Dr.AIT in association with Dr. RML Avadh University, Faizabad and support from Techvictus Consultancy Services Pvt. Ltd. from 19/2/2019 to 23/2/2019.
4. National Workshop on *Strategic Quality Initiatives in Technical Education* organized at Lakshadweep by ESCI, Hyderabad from 09/5/2019 to 13/5/2019.

2018:

1. TEQIP-III sponsored Faculty Development Programme on *Latest Research Trends in IT Industry* conducted by TATA Consultancy Services organized at Dr. AIT on 10/2/2018.
2. TEQIP-III sponsored Two-day national workshop on *Research Information Management in a Networked Environment* organized by Library & Information Centre, Dr.AIT from 1/3/2018 to 2/3/2018.
3. TEQIP-III sponsored one day workshop on *Academic Integrity and Plagiarism Prevention* at Dr.AIT on 15/3/2018.
4. TEQIP-III sponsored one-week Faculty Development Programme on *Emerging Trends in Project Management* Dr.AIT from 9/4/2018 to 13/4/2018.
5. TEQIP-III sponsored one-week workshop on *Data Analytics Using R* at Dr.AIT from 16/4/2018 to 21/4/2018.
6. FDP on *Advanced Pedagogy and Management Capacity Building Training for Engineering Faculty and Senior Administrators* conducted by ESCI at Gangtok from 21/6/2018 to 25/6/2018.
7. One-Day Training Programme on *TEQIP-III MIS* organized by National Project Implementation Unit (NPIU), Delhi at Veermata Jijabai Technological Institute, Mumbai on 27/6/2018.
8. 3-Day Faculty Development Program on *Machine Learning* at RNSIT from 12/7/2018 to 14/7/2018.
9. TEQIP-III sponsored Three Days FDP on *Remote Learning and MOOC and SCILAB,* jointly organized by Dr.AIT, IET, Faizabad in association with IIT, Bombay from 3/10/2018 to 5/10/2018.
10. TEQIP-III sponsored one-week FDP on *Advances in Signal Processing* at Dr. AIT from 27/8/2018 to 1/9/2018.
11. TEQIP-III workshop on *Recent Trends in Industry and Academia* Organized jointly by Institute of Engineering Technology, Dr.Rammanohar Lohia Avadh University, Faizabad and Dr.AIT under twinning activities of TEQIP-III from 27/10/2018 to 2/11/2018.
12. National Symposium on *The Internationalization of Higher Education: A Paradigm Shift* organized by IQAC of Dr.AIT under TEQIP-III on 18/12/2018

1. Participated and demonstrated two projects at *Dr. AIT Techno Exhibition* held at Dr. Ambedkar Institute of Technology on 14/4/2015.

2. One week TEQIP-II sponsored Faculty Development Program on Network *Simulators In Research Prospective* at Government SKSJ Technological Institute, Bengaluru from 20/7/2015 to 24/7/2015.

3. Two days workshop on *Hands-on-Training on QUALNET* held at Dr. Ambedkar Institute of Technology in association with Nihon Communication Solutions Pvt. Ltd., Bangalore from 22/9/2015 to 23/9/2015.

2014:

1. Two weeks *FDP on Entrepreneurship* at RVCE supported by Entrepreneurship Development Institute of India, Ahmedabad and funded by National Science & Technology Entrepreneurship Development Board, Department of Science & Technology, Government of India, New Delhi from 23/12/2013 to 4/1/2014.

2. Two days workshop on *Research Methodologies & Latex* at Dr Ambedkar Institute of Technology under TEQIP –II from 23/1/2014 to 24/1/2014.

3. One day workshop *Author workshop* jointly organized by VTU Belgaum and Springer on 13/2/2014.

4. Workshop on *Protocol Engineering* at SIT, Tumkur from 8/3/2014 to 10/3/2014.

5. Three days workshop on *Advanced Drupal programming with Custom Module Development* at Dr. AIT from 21/3/2014 to 24/3/2014.

6. Workshop on *Mathematical Software for Computer Applications* at Dr. AIT from 28/4/2014 to 29/4/2014.

7. VTU-VGST sponsored workshop on *Big Data Analytics and Hadoop* at K.S.School of Engg. and Management from 19/5/2014 to 22/5/2014.

8. 4th workshop on *Simulation of Wired and Wireless Networks using NS3* at NITK, Surathkal from 3/7/2014 to 5/7/2014.

4. Workshop on *Network Simulator2* at RVCE, Bangalore from 25/7/2014 to 27/7/2014.

5. Two-day Workshop on *Computer Graphics with OpenGL* at RNSIT, Bangalore from 30/7/2014 to 31/7/2014.

2013:

1. Three day faculty development workshop on *Advances in Computer Network Technologies: Routing, Switching, Virtualization and NS2 Simulator* under TEQIP-II at RVCE, Bangalore from 7/3/2013 to 9/3/2013.

2. Faculty development programme on *Design of Experiments* under TEQIP-II at Dr. AIT, Bangalore from 2/4/2013 to 6/4/2013.

3. One day seminar on *Research Challenges in Wireless Networks and Applications* under TEQIP-II at Dr. AIT, Bangalore on 22/2/2013.

4. One day workshop on *LATEX for Research Documentation* under TEQIP-II at BMSCE, Bangalore on 18/3/2013.

5. Five days workshop on *Hands on Training on Network Simulator-2 (NS-2)* under TEQIP-II at Dr.AIT, Bangalore from 19/3/2013 to 23/3/2013.

6. Training cum workshop on *Real Time Wireless Sensor Networks and Sensor Web* under TEQIP-II from Nihon Communication pvt. ltd from 9/4/2013 to 10/4/2013.

7. TEQIP-II sponsored seminar on *Understanding Wireless Communication Technologies: 3G, 4G/LTE, WiMAX* at PESIT, Bangalore from 17/07/2013 to 19/07/2013.

8. Three Day Workshop on *Mobile Application Development* at Dr. AIT, Bangalore under TEQIP-II from 29/07/2013 to 31/07/2013.

9. Two day workshop on *Image Processing using PYTHON* at Dr. AIT, Bangalore under TEQIP-II from 13/8/13 to 14/8/13.

10. Three days ISTE sponsored workshop on *Open Source Tools for Software Engineering & Computer Networking-2013* held at DBIT, Bangalore from 24/10/13 to 26/10/13.

2012:

• FDP on *Joy of Teaching Computer Networks* at Sapthagiri College of engineering, Bangalore on 26/9/12.

• FDP on *Power Issues In Multi Core Architecture & Green Computing* at C. Byregowda Institute of Technology, Kolar from 12/3/2012 to 16/3/2012.

2011:

1 Faculty development program on *Research Problems in Computer Science* at SJBIT, Bangalore from 26/7/11 to 30/7/11.
2 ISTE sponsored workshop on *Mission10X* conducted by Wipro at Dr. AIT from 28/3/11 to 1/4/11.
3 *Workshop and Hands on experience on NS-2* conducted at Cambridge Institute of Technology, Bangalore from 5/8/11 to 6/8/11.
4 Two-day workshop on *Recent trends and research orientation on image processing* at Dr. Ambedkar Institute of Technology, Bangalore from 14/10/11 to 15/10/11.
5 Workshop on *Web Design* at Dr. Ambedkar Institute of Technology, Bangalore from 21/7/11 to 24/7/11.

2010:

1. Three days Faculty Development Program on *System Simulation & modelling* at SJBIT, Bangalore from 28/1/2010 to 30/1/2010.

2. Faculty Development Program on *Wireless Sensor Networks & Hands on Experience of QualNet Network Simulator* at SJBIT, Bangalore from 27/7/2010 to 31/7/2010.

3. Workshop on *Software Architecture* at Auden Technology and Management, Bangalore from 12/8/10 to 13/8/10.

2009:

1. One day workshop on *Advanced Developer Technologies* organized by Microsoft Corporation on 2/5/09.

2. Workshop on *Research Methodology & Opportunities in WSN &its applications* at Auden Technology and Management, Bangalore on 20/11/09.

2008:

1. One day seminar on *21st Century Skills* at PESIT, Bangalore on 25/4/08.

2. Workshop on *Emerging Trends in Soft Computing* at BNMIT, Bangalore on 31/8/08.

2007:

1. *Soft Skills Training Program* at Infosys, Mysore from 23/3/07 to 30/3/07.

2. *Foundation Program-Generic Courses* at Infosys, Bhubaneshwar from 17/6/07 to 29/6/07.
3. *Engineering Faculty Development Program* at BMSCE, under Technical Education Quality Improvement Programme (TEQIP), Bangalore from 16/7/07 to 21/7/07.
4. Two days workshop on *Virtual Laboratory* at Dr. Ambedkar Institute of Technology, Bangalore from 10/8/07 to 11/8/07.
5. Two days state level *Workshop on P-Spice, VHDL/Verilog* at JNNCE, Shimoga from 5/10/07 to 6/10/07.

2006:

1.ISTE approved STTP on *Advanced UNIX System Programming* at Dr. Ambedkar Institute of Technology, Bangalore from 31/1/06 to 1/2/06 under TEQIP.
2.ISTE approved STTP on *Data Mining and Warehousing* at Dr. Ambedkar Institute of Technology, Bangalore from 13/2/06 to 18/2/06 under TEQIP.
3.STTP on *Recent Trends in Advanced Communication Engineering* at Dr. Ambedkar Institute of Technology, Bangalore from 20/3/06 to 25/3/06.
4.STTP on *Emerging trends in VLSI technology* approved by ISTE and SPFU, TEQIP at Dr. Ambedkar Institute of Technology, Bangalore from 18/12/06 to 23/12/06.
5.International Seminar on *Virtual Laboratory on Mechatronics* at Dr. Ambedkar Institute of Technology, Bangalore on 16/10/2006.
6.Attended *20th CSI Karnataka student convention* held at RVCE from 13/10/06 to 14/10/06.
7.One day workshop on *Knowledge Management* at Dr. Ambedkar Institute of Technology, Bangalore on 4/11/06.
8. One day national workshop on *VLSI design and embedded systems* approved by SPFU, Govt. of Karnataka at Dr. Ambedkar Institute of Technology, Bangalore on 15/12/06.

2005:

1 *Industry Oriented Software Engineering* at IISC, Bangalore from 2/2/05 to 4/2/05.

2 STTP (Short Term Training Program) on *Recent Advances in Image Processing and Its Applications in Engineering* at Dr. Ambedkar Institute of Technology, Bangalore from 1/3/05 to 7/3/05.
3 Workshop on *C# Programming and .Net Concepts* at RVCE, Bangalore sponsored by ISTE from 4/8/05 to 6/8/05.
4 Workshop on *Mobile Communication* at Dr. Ambedkar Institute of Technology, Bangalore from 25/8/05 to 27/8/05.
5 Workshop on *Constitution of India and Professional Ethics* at BMSCE, Bangalore from 2/9/05 to 4/9/05.

2004:

1.VII ISTE Karnataka State Convention and AICTE sponsored Two Day National Seminar on *Building National Competitive Advantage through Technical Education* at Dr. Ambedkar Institute of Technology, Bangalore from 29/11/04 to 30/11/04.

2003:

1.AICTE sponsored Staff development programme on *Techno Managerial Skill Sensitization to Technical Teachers* at SJCE, Mysore from 12/3/03 to 28/3/03.

WORKSHOPS/SEMINARS/SYMPOSIUMS CONDUCTED/TECHNICAL TALKS ORGANIZED at Dr. AIT (From Sep.2002 to Nov.2022):

1. Conducted *One day workshop on Knowledge Management* at Dr. Ambedkar Institute of Technology, Bangalore on 4/11/06.
2. Conducted *Ten days training program* on *Computer Literacy* under TEQIP under Services To Community and Economy *(For rural students)* at Dr. Ambedkar Institute of Technology, Bangalore from 23/3/07 to 1/4/07.
3. Conducted *Soft Skills Training Program* (Done for Placements, Infosys) at Dr. Ambedkar Institute of Technology, Bangalore from 16/4/07 to 19/4/07.
4. Conducted *Six days training program on Computer Literacy* under TEQIP under Services To Community and Economy *(For housewives)* at Dr. Ambedkar Institute of Technology, Bangalore from 28/11/07 to 3/12/07.
5. Organized a Technical talk on *IEEE Wireless Communication Engineering Technologies* on 1/10/11.

Resource Person: Mr. Deepak from Solutt Technologies.

6. Entrepreneurship Development Cell Inauguration and *Awareness on Entrepreneurship* on 23/9/12.

Resource Persons: Sri Krishnann, Sri Yatindranath, Sri PadmaReddy, Sri Suresh.

7. Organized technical talk on *Migrating to free software and Making friend ship with shell* on 29/09/2012.

Resource Person: T .Vignesh Prabhu from Intel.

8. Organized technical event *Interrupt 2012* from dept. of ISE on 17/10/2012.
9. Conducted *The Entrepreneurship Summit 2012* at Dr. AIT on 27/11/2012.

Resource Persons: Ashish Sinha, Founder- Pluggd.in, Shivang Chawla and Vrashabh Kapate, Founders- Skinzpert, Pramod Srinivasa, Senior Trade Analyst- Goldman Sachs.

10. *Rice to Enterprise* at Dr. AIT on 19/3/2013.

Resource Persons: Mrs.Usha Reddy, Mrs. Raj Agarwal.

11. Organized technical talk on *Simple Sentiment Analysis Engine and Semester 9* on 3/4/2013.

Resource Person: Trilok Hebbur from THINKAPPZ INC**,** California.

12. Organized technical technical talk on *Robotics* on 11/11/2013 by Mr. Ranjith Kumar from Li2 innovations pvt. Ltd.
13. Conducted two days workshop on *Next Generation Network Simulation tools and frameworks* from 12/11/2013 to 13/11/2013 sponsored by TEQIP-II.
14. Organized technical talk on *Programming Skills* on 8/3/2014.

Resource Person: Ravindra K from Ekalavya University.

15. Organized a technical talk on *Cloud Computing* on 3/3/2015.

Speaker: Mr. Anil Bidari, Founder and CEO, Cloud Enabled.

16. Conducted three days workshop on *Android Application Development* in association with Li2 Innovations from 26/3/2015 to 28/3/2015.
17. Organized TEQIP-II sponsored workshop on *Big Data and Hadoop* at Dr.AIT, Bangalore from 28/4/2016 to 29/4/2016.
18. Organized TEQIP-II Sponsored *Three Days Orientation Programme in Pedagogy for Faculty Members* at Dr.AIT, Bangalore from 30/5/2016 to 1/6/2016.
19. Organized TEQIP-II Sponsored One Week Workshop on *Basic Pedagogy Training* jointly organized by State Project Facilitation Unit (SPFU) and Dr. Ambedkar Institute of Technology from 13/6/2016 to 17/6/2016.
20. TEQIP-II Sponsored One Week ICT Programme on *Institutional Accreditation (NBA Guidelines) and Quality Management* jointly organized by State Project Facilitation Unit (SPFU) and Dr. Ambedkar Institute of Technology in collaboration with NITTTR, Chandigarh from 18/7/2016 to 22/7/2016.
21. TEQIP-II Sponsored Workshop on *Innovative Teaching Methodologies* Jointly Organized by Departments of Information Science &Engineering, Mechanical Engineering and Computer Science & Engineering In association with IIT, Bombay from 15/2/2017 to 17/2/2017.

22. TEQIP-II Sponsored Hands-On Workshop on *Big Data Technologies* Organized by Department of Information Science and Engineering in association with FulcrumEdu, Bangalore on 30/3/2017.

23. Hands-On Workshop on *Big Data Tools* Organized by Department of Information Science and Engineering in association with FulcrumEdu, Bangalore on 10/5/2017.

24. Coordinator for *Induction Programme* organized under TEQIP-III for Faculty and Students from 6/1/2018 to 10/1/2018.

25. Coordinated TEQIP-III Sponsored Workshop on *Preparation for GATE* from 30/1/2018 to 1/2/2018 organized by TEQIP-III.

26. Coordinated for International Women's Day-2018 at Dr. AIT on 8/3/2018.

27. Coordinator for TEQIP-III Sponsored one week workshop on *Data Analytics Using R* from 16/4/2017 to 21/4/2017.

28. Coordinator for TEQIP-III Sponsored *Induction Programme for Faculty* from 30/7/2018 to 4/8/2018.

29. Coordinator for Two Day Training Programme on *TEQIP-III: Training Programme on Financial Management and PFMS* organized at Dr. AIT as per directions of NPIU from 30/7/2018 to 31/7/2018.
30. Coordinator for *Induction Programme for Faculty* under TEQIP-III on 30/7/2018.
31. Coordinator for *Induction Programme for Students* under TEQIP-III from 31/7/2018 to 4/8/2018.
32. Coordinator for *Induction Programme for Faculty* under TEQIP-III from 30/7/2018 to 4/8/2018.

33. Coordinator for TEQIP-III Sponsored workshop on *Innovative Pedagogy for Effective Teaching* from 16/1/2019 to 18/1/2019.

34. Coordinator for *Induction Programme for Faculty* under TEQIP-III on 30/7/2018.
35. Coordinator for *Induction Programme for Students* under TEQIP-III from 31/7/2018 to 4/8/2018.
36. Coordinator for *Induction Programme for Faculty* under TEQIP-III from 30/7/2018 to 4/8/2018.

37. Coordinator for TEQIP-III Sponsored workshop on *Innovative Pedagogy for Effective Teaching* from 16/1/2019 to 18/1/2019.

38. Coordinator for workshop on *Strategy to crack GATE* from 28/1/2019 to 29/1/2019.

39. Coordinator for Two Days Workshop on *SELP (Student Excellence and Learning Program)* from 03/04/2019 to 04/04/2019

40. TEQIP-III Sponsored Five Day Workshop on *Induction Program for Engineering Faculty* from 28/5/ 2019 to 01/06/2019.

41. Coordinator for workshop on *Android App Development Using Block Coding under* TEQIP-III from 12/11/2019 to 14/11/2019

42. Coordinator for One Week ***Online FDP*** on Recent *Trends in Engineering: Industry Perspective* organized by department of ISE, Dr.AIT, Bangalore from 26/7/2020 to 30/7/2020
43. Coordinator for National Symposium (Online) on *National Education Policy-2020 and Technical Education* from 17/12/2020 to 19/12/2020.
44. AICTE-ATAL sponsored FDP on *Data Science and Data Analytics with Hands-on Experience* from 1/2/2021 to 5/2/2021.
45. National Education Policy Webinar on *Importance of Digital Education in Engineering* Under TEQIP-III in association with IET, Ayodhya, UP on 18/2/2021.

WORKSHOPS/SEMINARS/SYMPOSIUMS CONDUCTED/TECHNICAL TALKS/ INDUSTRY VISITS ORGANIZED at DSATM

(From Dec.2022 To 2023):

- Technical Talk on *"Practical aspects of Big Data Analytics in Industry*. The resource person was Sri. Venkata Reddy P S, Senior Developer, SAP Labs, Bengaluru on 9/12/2022.
- Heritage Trip for the Subject *Social Connect and Responsibility regarding Module 2 Heritage Walk and Crafts Corner* on 17/02/ 2023
- *Career Opportunities with GATE* for 5th sem students. The Resource person was Mr. Fawad Yar Khan, Program Head at GATEFORUM, Hyderabad.
- Mr Mithun Kalarikal, *AWS DevOPS Engineer,* Shivajyothi Holistic Lifestyle, Coaching Center, Dubai, delivered Technical Talk on *Introduction to AWS Cloud Computing* for 3rd semester students department Information Science & Engineering, DSATM on 23/02/2023
- Mr. Rajasimhan Shanmugam, Consultant Technical Lead at Up Grade Education, Bangalore delivered Technical Talk on *Recent Trends of Data Structure Applications in the Industry* for 3rd semester students department Information Science & Engineering, DSATM on 24/02/2023
- Mr. Harsha S, LGS Trust, a Social Innovation Centre, Bangalore delivered Technical session on *Role of Engineering Students in Technical and Social Entrepreneurship* for 3rd semester students department Information Science & Engineering, DSATM on 24/02/2023
- Ms. Sheetal Singh, Senior Project Associate, Virtual Labs, IIT Kanpur, is conducting Webinar on *Familiarization to Virtual Labs* for 3rd semester students on 25/02/2023
- Mr. Ahmed, Trainer for IOT from Innovians Technologies is conducting workshop on *IOT-Internet of Things* for 3rd semester students from 2nd & 3rd March 2023

9. Mr. Sambhav Jain, Gate CSE Trainer Yayskool, New Delhi delivered Technical Session on *Computer Organization and Architectures* for 3rd semester students department Information Science & Engineering, DSATM on 10/03/2023.

10. Mr. Kamal Thej V, Data Scientist, HTC Global Services, Bangalore 2 days workshop on *Object Oriented Concepts in Python Programming* for 1st semester students on 16 & 17th March 2023.

11. Python project exhibition was organized for 1st semester students on 11th April 2023.

12. Mr. Arunachalam Sundararaman,SOFTWARE ENGINEER @ META, REDMOND, WASHINGTON, USA, Technical Talk on *Data Mining and Data Warehousing for Software Engineers* for 6th Semester ISE Students on 13/04/2023.

13. *Global Education Awareness Program* for 6th semester ISE students on 16/05/2023. Speakers: Mr. Abhilash, Business Development Manager, Nestling and Mr. Hitesh C, Marketing Associate, Nestling.

14. Mr. Mukul Lalwani, Member of Technical Staff, Vmware & Tejas Mandre, Member of Technical Staff, Vmware, Industrial Resource Person on Technical Session on *Automation Testing Tools & Its Applications* is organized for VI Sem ISE students on 24-06-2023 of the course Software Testing handled by Dr. G. Manjula & Mrs. Sowmya S.R.

15. Awareness Program on *Data Science* for 4th semester students on 04/07/2023. Resource Person: Ms Vishnupriya from Data Science Stack.

16. Mr. Sameer Tarhane, Chief Mentor-Quant has delivered a session on *The Ultimate Guide to MBA after Engineering* for 4th sem ISE students on 13/07/2023.

17. *Hands-on session on Arduino* for 4th-semester ISE students was conducted on 19/7/2023

18. Session on *GRE Preparation Strategies*. Speaker- Ajeeth Peo Francis, Unacademy, 99 percentile score on GRE with 13+ years of teaching experience. Organized in July 2023.

19. Students of 6th semester ISE visited *ISRO,* Bengaluru on 18th April 2023.

20. Prof.Ashish Amresh, Assoc. Professor and Prof. Tarang , Assoc. Professor in Computer Science at Northern Arizona University delivered a talk on *Career Opportunities for Computer Science & AI Students at Northern Arizona University and The USA* on 09/05/2023.

21. Industrial visit was organized to *Infosys, Mysore* for the students of VI semester ISE students on 17/06/2023.

22. Workshop on *Exciting Career Opportunities after Engineering*, conducted by Unacademy on 04/08/2023 for 4th semester ISE students.

23. Organized *IGNUS - 24hr Hackathon* and inauguration of InnoVisions-Technical Club of department of ISE on 7th and 8th August 2023.

24. Seminar on *Study Abroad Options* was organized for 4th sem students on 23/8/2023. Speakers: Mr. Hiren Rathod, Director and Business Head (USA, Canada & Europe) and Mr. Arvind B, Senior Quant Trainer (GRE & GMAT) and Counsellor (USA) from Imperial Overseas Education Consultants.

MOUs initiated at DSATM from Dec.2022 to 2023:

1. Department of ISE, DSATM signed **MoU with Refactor Academy** as a Tech Training Partner. Members present were Dr M Ravishankar, Principal, DSATM; Dr Nandini Prasad K S, Dean- Foreign Affairs & HOD-ISE; Dr Pooja Nayak S, Assistant Professor and Industry Institute Coordinator, Dept. of ISE;Mr Arjun Chakraborti, CEO, Refactor Academy; and Mrs Urvi Surendra Babla, Director, Refactor Academy.
2. Coordinator for DSATM to be identified as Nodal Centre for **Virtual Lab with IIT Kanpur**.
3. MOU with MIT Square, London signed in Feb. 2023.
4. MOU with University of Malaya,Kuala Lumpur, Malaysia signed in 10/6/2023.

Administrative Activity

- Working as Dean -Foreign Affairs and HOD-ISE at Dayananda Sagar Academy of Technology & Management (DSATM) from 28/11/2022-Till date
- Worked as Dean (Foreign Affairs) at Dr. Ambedkar Institute of Technology (Dr.AIT) from 5/7/2021 to 26/11/2022

- Worked as Nodal Officer (Academic) TEQIP-III and Nodal Officer (MIS) TEQIP-III at Dr.AIT from 1/1/2018 to 31/3/2022

Professional Membership

1. ISTE (Indian Society for Technical Education); Membership No: LM 35416

2. ISSS (Institute for Smart Structures and Systems); Membership No: LM/338

3. CRSI (Cryptology Research Society of India); Membership No: L/426

4. Member in **Computer Science Teachers Association (CSTA)**

5. IEEE Professional member: IEEE Senior Member; Membership No.: #98313519

SPORTS:

1. **Winner** in *Badminton singles and doubles* in Sri M.H. Jayaprakash Narayan Memorial Cup held during Dec. 2016, 2017 ,2018 , 2019 and 2021.

2. **Winner** in *Volley Ball* in Sri M.H. Jayaprakash Narayan Memorial Cup-2016 held during Dec. 2017 ,2018 and 2019.

Contact Details

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Scopus Indexed Publications: https://www.scopus.com/authid/detail.uri?authorId=57189092288

Vidwan Login: https://vidwan.inflibnet.ac.in/myprofile: **Vidwan id:** 373382

Google Scholar id: http://scholar.google.co.in/citations?user=3e4YAocAAAAJ

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IRINS (Indian Research Information Network System): https://dsatm.irins.org/

My Vision

To work for the growth and development of the institution and strive to set up center of creativity/excellence dedicated to teaching, lifelong learning, research, and administration. To achieve overall development as an individual with ethical and societal values.