



Dayananda Sagar Academy of Technology & Management

(Autonomous Institute under VTU)

Affiliated to **VTU**
Approved by **AICTE**
Accredited by **NAAC** with **A+** Grade
6 Programs Accredited by **NBA**
(CSE, ISE, ECE, EEE, MECH, CV)

Faculty Name	Dr Neelambika B Hiremath	
Academic Designation	Assistant Professor	
Educational Qualification	B.E, M.Tech, PhD.	
Experience in Teaching & Industry	6 yrs(Teaching) 5.3yrs&5.10yrs(Industry&Research)	
Date of Joining	24-12-2025	
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Employee ID	180907	

Educational Details

Ph.D. in the Department of Computer Science and Engineering from JSSATEB research center

Visvesvaraya Technological University State University, Belagavi Karnataka in AUG 2025

M.Tech in Computer Science and Engineering in PDA engineering college

Visveswararajah Technological University State University, Belagavi Karnataka in 2003

B.E in Electrical & Electronics Engineering BIET college Davanagere

Kuvempu University Shimoga Karnataka in 1997

Professional Experience

Currently working in Dayananda Sagar Academy of Technology and management as a Asst Professor in CSE-Data Science Department, Previously worked as a Research consultant in prompt engineering of generative AI at start-up Niyamatek Solutions Pvt Ltd in Bengaluru from Feb 2025 to Dec 12/2025. Supporting research coordination and setting up data storage support as IT consultant in the health care domain of AYUSH institute Davangere.

Pursued Ph.D Programme in the area of computational genomics on molecular data using machine learning at the research centre in the dept of computer science and engineering at JSSTEB of VTU from 2017 to 2025, in association with Centre of Excellence RV College of Engineering.

Served as Lecturer in PES institute of Technology (Autonomous) Bangalore from 2008 to 2010.

Worked as Technical Associate in Zeal software Pvt Ltd Davanagere from 2006 to 2008.

Worked as OLAP consultant in Data Grid Technology Pvt Ltd Bangalore from 2003 to 2006.

Worked as Lecturer in Jayachamarajendra college of Engineering, Mysore from 2002 to 2003.

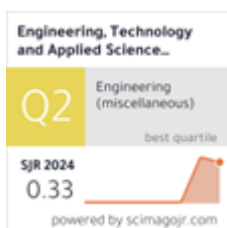
Worked as Lecture in BIET Davanagere from 1999 to 2000.

Worked as Lecturer in SJMIT Chitradurga from 1998 to 1999.

Publications : Journal's ,Conference's , Patent's

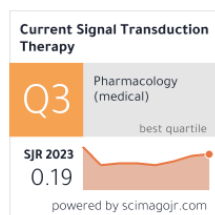
1. **Patent Publication:** Title: **"Ai-based smart agriculture system: a hybrid ensemble learning framework for intelligent crop recommendation"** Dr. Neelambika B Hiremath, Dayananda Sagar Academy Of Technology And Management (DSATM), K P Suhas, Shivashanker, T Karunakar Reddy, H Channabasava Gouda, Application No: **202641057078**, Publication Date: **15-05-2026**, Publication No: **IN202641057078 A1**
2. S. C. Nelson, M. G. Kumar, N. B. Hiremath, K. Muthukrishnan and A. M. Vardhan, **"An Intelligent Edge-Assisted Blockchain Framework for Robust and Adaptive V2V Authentication,"** 2026 3rd International Conference on Integrated Intelligence and Communication Systems (ICIICS), Kalaburagi, India, 2005, pp. 1-7, doi: 10.1109/ICIICS67880.2026.11483482.
3. 2. T. N. P, N. B. Hiremath, V. K. Gajjala, B. Shilpa and T. Rakshana, **"Hybrid Intelligent Fault-Sensitive Support Vector Machine for Predictive Maintenance in Smart Manufacturing Systems,"** 2026 4th International Conference on Integrated Circuits and Communication Systems (ICICACS), Raichur, India, 2026, pp. 1-7, doi: 10.1109/ICICACS68679.2026.11578655.
4. 3. N. B. Hiremath, S. K. Kolla, R. Sunkara, S. L. G and K. Sireesha, **"Adaptive and Intelligent Secure Multimedia Transmission for Dynamic Communication Systems,"** 2026 2nd International Conference on Intelligent Systems and Computational Networks (ICISCN), Bidar, India, 2026, pp. 1-8, doi: 10.1109/ICISCN67954.2026.11566143.
5. N. B. Hiremath, V. G. U, V. Kuriakose, P. L and Y. C, **"A Bio-Engineered Adaptive Multi-Modal Deep Learning Framework for Real-Time Neural Prosthesis Control,"** 2026 3rd International Conference on Integrated Intelligence and Communication Systems (ICIICS), Kalaburagi, India, 2005, pp. 1-7, doi: 10.1109/ICIICS67880.2026.11483451.
6. Neelambika B Hiremath, Dayananda P, Mrityunjaya V Latte et al. **"Gene Expression based classification for identifying the significant genes in Non-small Cell Lung Cancer samples"** 13 July 2022, PREPRINT (Version 1) available at Research Square [\[https://doi.org/10.21203/rs.3.rs-1843296/v1\]](https://doi.org/10.21203/rs.3.rs-1843296/v1)

7. Neelambika. B. Hiremath and P. Dayananda, titled “**Differential Gene Expression Analysis of Non-Small Cell Lung Cancer Samples to Classify Candidate Genes.**”



Journal: Engineering, Technology & Applied Science Research
Publisher: Engineering, Technology & Applied Science Research
ISSN: 2241-4487, Journal Metrics: Q2, Web of Science JCI: 2021: 0.37,
Crossref ref citations :3.63 Volume No: 13; Issue No: 2-2023 Page no.:
10571-10577, Publication status: [ETASR] Published
DOI: <https://doi.org/10.48084/etasr.5770>

8. Neelambika B. Hiremath, P. Dayananda, “**Identification and Characterization of SNP Mutation in Genes Related to Non-small Cell Lung Cancer**”



Current Signal Transduction Therapy; Volume 16, Issue 3, Year 2021, ISSN:1574-3624 ,Vol No: 16 Issue no: 1-9 Journal Metrics: Q4 ,Impact Factor: Scopus SJR 0.188. [DOI: 10.2174/1574362415999200819202218](https://doi.org/10.2174/1574362415999200819202218)

9. Hiremath, Neelambika B and Hiremath, Basavaraj N and S, Varun and D M, Shreedhanya,” **An Early Phase Phylogenetic Analysis of COVID-19**” in Indian Scenario using Maximum Likelihood Tree Method (April 27, 2020). Available at SSRN: <https://ssrn.com/abstract=3586364> or <http://dx.doi.org/10.2139/ssrn.3586364> [Top 10 most Downloaded paper] Preprint server

10. Hiremath, Neelambika. B. & Dayananda P. (2022). “**Machine Learning Techniques for Analysis of Human Genome Data**” In I. Management Association (Ed.), Research Anthology on Machine Learning Techniques, Methods, and Applications (pp. 224-240). IGI Global Scientific Publishing. <https://doi.org/10.4018/978-1-6684-6291-1.ch013>

11. Punith Amilineni, Dayananda Sagar University presented the paper titled **Smart Grow– AI Farming Assistant** co-authored with Talupula Jahnavi, Melipati Himaja, Gundre Manasa, Savitha Hiremath, **Neelambika B Hiremath** in the International Conference on Secure Data Science and Applications (ICSDSA-26) held at Dayananda Sagar Academy of Technology and Management, Bangalore, India in technical association with The Tejas Scientific Researcher Foundation, India during March 27-28, 2026.

Courses Participated:

- **Infosys Spring board** certificate is awarded to for successfully completing the course on May 23, 2026 on “**Prompt Engineering**”
- **NPTEL** course on “**Computational Genomics**” by **IISER Bhopal** ---[Dec-Apr 2025].
- **NPTEL** course on “**Generative AI and Large Language Models**” by **IIMB** ---[Dec-Apr 2025].
- Participated in three-day Online Faculty Development Program (**FDP**).
the **Centre for Continuing Education (CCE)**, **IIT Mandi**, in collaboration with Masai, formally invites you to a specialized 6th, 7th, 8th may 2026 Live Online sessions
- Invited” to serve as a Session Chair for the symposium held on 16th April 2026, from 10:00 AM to 1:00 PM, at **Dayananda Sagar University (DSU)** Computer Science Dept. for “**Future Front – A National Level Symposium**”.
- Participated in the International Workshop on “**Future Computing**”, scheduled to be held on 10th Jan 2026 in The Capitol Hotel, Raj Bhavan Road, Bengaluru.
- Participated in the international workshop at the National Centre for Biological Sciences [**NCBS**] about cancer research [sept 2024]
- Continuing Education (CE) and Quality Improvement Programme (QIP) course on Machine Learning conducted by **IIT Dharwad** ---[Jan-Apr 2023].
- Science & Engineering Research Board (**SERB**) organized , High End Workshop On ML/DL Application Enablement on PARAM Utkarsh HPC System (High Performance Computing for ML/DL applications) at (**C-DAC**) Centre for Development of Advanced Computing ---[July 2022].
- Successfully completed short-term course at the Centre of Excellence in Computational Genomics on “**RNA Sequence Analysis**” at **R V College of Engineering**, Bengaluru---[May 2019]

Conference Attended

Workshop and Conference participations:

- Research methodology one-week workshop of **VTU** Human Resource Development Centre of the Bengaluru region.---[Mar 2018].
- Talk on Artificial Intelligence for Advanced Biometric Technologies by Prof. Vincenzo Piuri @ **UVCE** Bengaluru ---[Sep 2018].
- Faculty development programme on “SAKSHAM-Microsoft Azure and Cognitive Services @ **JSS Academy of Technical Education** Bengaluru.---[Sep 2018].
- Attended 3-day Workshop in **BIET** Davanagere on Web Programming ---[June 2009].
- Attended Faculty Development Programme conducted in **PESSE** development On Image Segmentation in **PESIT** College---[Jan2009].
- Faculty development Programme on Multi core programming conducted by **INTEL**.
- Attended seminar on Computer Architecture Conducted by **INTEL** in **PESIT**.
- Participated in Seminar on Wireless Networks in Global Technology hosted by **BITS & Wipro Technology**---[April 2009].
- Participated seminar on Multi-Threading by **INTEL** in **PESIT**---[May 2009].
- Attended Seminar on Wireless Communication & Bluetooth by **Axis Aerospace & tech Pvt Limited**.
- Participated in One day workshop on Soft Computing Skills at **BNMIT**---[Sept 2008].

Achievements:

- Conducted training program for PES Adopted Schools for School children's.
- Imparted knowledge by delivering lectures on Database management system for undergraduate students of computer applications.
- Trained IBM corporate employees on Database management system with enthusiasm whilst retaining trainee interest as academic course subject.

Academic Activity

- Academic activities like Board Member for the Board of Studies in the Computer Science Department and shoulder the responsibilities of Processes and Exam activities.
- Constructed and written course materials and presentations for customized corporate trainings and course subjects for the Autonomous Institute.
- Taken a responsibility to host the Distinction Award Ceremony conducted in **PESIT** on 2009.
- Co-coordinator for Graduation Day passed out students 2008 which was conducted @ **PESIT**. 2009

Contact Details

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