



GMU - Faculty & Staff Profile Templet



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Websites

LinkedIn:

https://www.linkedin.com/feed/?trk=guest_homepage-basic_google-one-tap-submit

Google Scholar:

<https://scholar.google.com/citations?user=jH8Kt-cAAAAJ&hl=en>

Research Gate:

<https://www.researchgate.net/profile/Neelambike-Siddalingaih>

SCOPUS:

26421798800

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Orchid ID:

0000-0003-4382-7908

Dr. Neelambike S

Associate Professor in Information Science and Engineering & HOD

Faculty

Faculty of Engineering and Technology

School/Program

School of Computer Science and Technology/

B.Tech. in Information Science and Engineering

Faculty Introduction (Five to Six Lines)

Dr. Neelambike S is an **Associate Professor** in the Department of Information Science and Engineering at **GM University, Davanagere**. She holds a **Ph.D. in Computer Science and Engineering** from VTU and has over **16 years of teaching experience** along with **2 years of industry experience**. Her areas of expertise include **Computer Networks, Data Mining, Artificial Intelligence, and IoT**. She has **published more than 35 research papers** in reputed journals and conferences and has **received ATAL FDP funding** for faculty development programs. Dr. Neelambike S is also a **patent holder**, with her innovations recognized by both the **Indian and Australian Governments** for their contributions to AI-based technologies.

Qualifications

Ph.D. : – Communication Network

Visveswaraya Technological University –Belagavi, Karnataka, 2020

M.Tech. - Computer Science and Engineering

Visveswaraya Technological University –Belagavi, Karnataka, 2013

BE (CSE)

Visveswaraya Technological University –Belagavi, Karnataka, 2006

Experience

Teaching

- 03 Year at GM University , Davanagere (Jul 2023 to present)
- 15 Years at GM Institute of Technology, Davanagere

Industry

- 1.5 Years at First Indian Cooperation Pvt Ltd

Research

- Experience demonstrated through numerous publications in international journals and conferences, along with **granted patents and funded projects such as ATAL FDP**.



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Training Program Attended

- 3-days Boot camp on Build a global career as an academic content writer by working remotely and earn more than full-time domestic jobs. Held from 28-06-2025 to 30-06-2025

Research Interest

- Communication Network
- Blockchain Technology
- Cloud Computing
- Machine Learning
- Internet of Things
- Big Data

Awards & Achievements

- Faculty Excellence Award from GM Group on Institute 2024
- Selected as an 'OUTSTANDING WOMAN RESEARCHER IN COMPUTER NETWORKS' under the Engineering Discipline. from 6th Venus International Women Awards – VIWA 2021
- Session Chair for the International Conference on Computational Engineering & Material Science- ICCEMS-2020”, Conducted on 17th & 18th -July 2020 by GMIT.
- Reviewer for COMPUSOFT International Journal
- Reviewer for International Journal of Advanced Research in Computer Science & Technology Excellent and Innovation Academician Award in International Award Convention held by Global Research Foundation
- Got semantic scholar for the paper An efficient environmental model considering environmental factor for V2I application services authors are Neelambike s and Dr. chandrika J link as <https://www.semanticscholar.org/author/SNeelambike/9233396>
- Got the “Best Paper” award for my paper “An efficient environmental model for V2I application services”, at National conference on “NCRTERM-16, at GM Institute of Technology, Davanagere, India

Publication / Patents

- **Ph.D. Dissertation:** A Throughput Analysis of Transport Layer Protocol over DSRC under V2I scenario



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National Conference Papers:

- Neelambike S, Firoz Khan. “iSPY A robust sytem for automatic face detection in video surveillance”, In Proc. NCRTCC-16, at Jain Institute of Technology, Davanagere, India
- Neelambike S, Dr. Chandrika J. “An efficient environmental model for V2I application services”, , In Proc. NCRTERM-16, at GM Institute of Technology, Davanagere, India
- Dr Neelambike S, Veeragangadharaswamy TM “Web usage mining its application in prefetching”, , In Proc. NCRTCC-16, at Jain Institute of Technology, Davanagere, India.
- Neelambike S, Firoz Khan. “Ispy a robust system for automatic face detection in surveillance system”, In Proc. ICRASE-15, Bangalore, India, May 9-10, pp. 26-27, 2015. ISRASE ISBN: 978- 93-84935-32-0
- Neelambike S, Veeragangadhara Swamy T M. “Web usage mining its application in prefectching”, In Proc. NCCAC-12, at Sambhram Institute of Technology, Bangalore, India

International Conference Papers:

- Neelambike S and Dr. Chandrika J ,“Cluster based Authentication for VANET for improving the Security”, Presented in ICECDS international conference at Madurai.

National Journal Papers:

- NA

International Journal Papers:

- B K Varun, Y B Bharatharaj Etigi and S. Neelambike., Effect of Metakaolin and Fly Ash Addition on Fresh and Hardened Cement Concrete, International Journal of Recent Advances in Multidisciplinary Topics, Vol. 4, 2023.
- B K Varun, Y B Bharatharaj Etigi and S. Neelambike., Sugarcane Bagasse Ash Addition has a Positive Impact on Both the Fresh and Hardened Properties of Cement Concrete, International Journal of Recent Advances in Multidisciplinary Topics, Vol. 4, 2023.
- S. Neelambike and B K Varun., A Weight-Based Clustering Algorithm is Used by Military Vehicles for VANET Communication, ASM Sc.J., 20(1), 2025.



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- Dr. Neelambike S, Dr. Varun B K “Effect of Addition of LD Slag Aggregate on fresh and Hardened properties of cement concrete” Published in ASM Science Journal in the year March 2023
<https://doi.org/10.32802/asmscj.2023.1437>
- Dr. Neelambike S, Dr. Varun B K “Sugarcane Bagasse Ash Addition has a Positive Impact on Both the Fresh and Hardened Properties of Cement Concrete” Published in International Journal of Recent Advances in Multidisciplinary Topics in the year Feb 2023
- Dr. Neelambike S, Dr. Varun B K “Effect of Metakaolin and Fly Ash Addition on Fresh and Hardened Cement Concrete” Published in International Journal of Recent Advances in Multidisciplinary Topics in the year Feb 2023
- Dr. Neelambike S “Smart Glove for Paralyzed Patient” Published in International Journal of Research Publication and Reviews in the year Apr 2023
- Dr. Neelambike S, Amith Shekhar C, Rekha B H and Bhavana Patil, “Adhoc Vehicle Networks Recapitulation and challenges” Published in Asian Journal of Computer Science and Technology in the year 2021.
- Dr. Neelambike S and Amith Shekhar C “ Smart Vehicle Monitoring with Cloud Features” Book Chapter Published Text book “Advances in Computer Science” volume 11, Akinik Publication New Delhi in the year 2021
- Neelambike S, Dr. Chandrika J, A decentralized adaptive medium access control for v2i vanet” ICTACT JOURNAL ON COMMUNICATION TECHNOLOGY 9 (ISSUE: 01)
- Neelambike S, Dr. Chandrika J, “An Efficient Distributed Medium Access Control for V2I VANET”, Indonesian Journal of Electrical Engineering and Computer Science 9 (3), 742-751
- Neelambike S, Dr. Chandrika J, “An Efficient Environmental Channel Modelling in 802.11 p MAC Protocol for V2I”, Indonesian Journal of Electrical Engineering and Computer Science 7 (2), 404-414
- Neelambike Siddalingaih, Parashuram Baraki, “Cluster based authentication for VANET for improving the security”
- Nasreen Taj M.B , Neelambike S,” Comparison of Different Partitional Algorithms Based on Efficiency”, Volume 2 Issue 7, July-2017,



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- International Journal of Scientific Development and Research – IJSDR
Neelambike S, Sushmitha M.P, IIIUzma Afrin, IVShruthi.N, V Sindhu K.V
“Android Based Health Monitoring Using an SMS Based Telemedicine System”, International Journal of Advanced Research in Computer Science & Technology (IJARCST 2015) 86 Vol. 3, Issue 2 (Apr. - Jun. 2015)
ISSN : 2347 - 8446 (Online) ISSN : 2347 - 9817 (Print)
- Neelambike S, Dr. B P MallikarjunaswamyJ. “SET for Clusterbased Cloud Computing: A Survey”, Grenze Int. J. of Engineering and Technology, Vol. 1, No. 1, January 2015, Davanagere, India
- Neelambike S, Parashuram Baraki , “Color Image Segmentation By Clustering”, Vol. 2 Issue 1, Ver. 1, (Jan. - Mar. 2014) [IJARCST]
- Neelambike S, Nasreen Taj MB, “Effective Performance evaluation of cluster analysis”, Vol. 2 Issue 1, Ver. 1, (Jan. - Mar. 2014) [IJARCST]
- Neelambike S, NasreenTaj M.B, IIIAmrutha Sheeli, IVAsma UL Husna, V Deepika J.B, “Effective Performance Evaluation of Cluster Analysis”, International Journal of Advanced Research in Computer Science & Technology (IJARCST 2014), Vol. 2 Issue 1 Jan-March 2014, ISSN : 2347 - 8446 (Online) ISSN : 2347 - 9817 (Print)
- Neelambike S, Nasreen Taj MB, “Effective Performance evaluation of cluster analysis”, In Proc. International Journal of Advanced Research in Computer Science & Technology, Volume 2 Issue 1 Jan – Mar 2014
Pages: 82-85, ISSN : 2347 – 8446
- Neelambike S, Veeragangadhara Swamy T M, Netravati U M, Asha K
“Effective generation of clusters for gene data”, COMPUSOFT, An international journal of advanced computer technology, 2 (8), Aug2013 (Volume-II, Issue-VIII), ISSN:2320 0790
- Neelambike S, Manjula B.K, Sapana S.M, Sandeep G S “Rotation Invariant Template Matching Technique for Object Segmentation in an Image”, International Journal of Advanced Research in Computer Science & Technology (IJARCST), Vol. 1 Issue 1 Oct-Dec 2013, ISSN : 2347 - 8446 (Online) ISSN : 2347 - 9817 (Print)
- Neelambike S, Netravati U M2 , Veeragangadhara Swamy T M, “Comparison of K mean and Fuzzy K-mean algorithms for color image segmentation”, International Journal of Computer Science information and Engg., Technologies ISSN 2277-4408 || 01092013-003



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- Neelambike S “A COMPLETE PREPROCESSING METHODOLOGY FOR WUM” International Journal of Computer Science Engineering and Information Technology Research (IJCEITR) ISSN 2249-6831 Vol. 3, Issue 4, Oct 2013, 1-8
- Neelambike S, “Efficient Generation of cluster for gene data”, COMPUSOFT : International Journal of Advanced Computer Technology'

Patent Publication

- Australia government grant the patent for the innovation work “A system Pit Hole Detection and filling for Road Based On Artificial Intelligence” Application Number : “2020101939” (Australia Patent)
- India Government grant the patent for the innovation work with Title “AI Assisted Vertical Farming system and Method” Application Number : “202041034752” (Indian Patent).
- India Government grant the patent for the innovation work with Title “Self power generating intelligent electric vehicle” Application Number : “202041051428” (Indian Patent).
- India Government grant the patent for the innovation work with Title “Apparatus and Methods for filling pit” Application Number : “202241012814” (Indian Patent).
- India Government grant the patent for the innovation work with Title “VANET-IoT Based Intelligent Traffic Management System for Smart Cities” Application Number : “202341010713” (Indian Patent).

Book Publish

- Dr. Neelambike S and Dr. Varun B K published a book titled "Cyber Security Essential Guide" in Lambert Publication
- Dr. Neelambike S and Dr. Varun B K published a book titled "Perception of Cyber Security" in Lambert Publication
- Dr. Neelambike S and Dr. Varun B K published a book titled "Perception of Cyber security" in Lambert, which has been translated into six languages: German, Spanish, French, Italian, Portuguese, and Russian on 26, Apr, 2023.
- Dr. Neelambike S and Amith Shekhar C published a book titled "Insight of VANET" in Scholar Press



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- Dr. Neelambike S and Amith Shekhar C published a book titled "Insight of VANET" in Scholar Press , which has been translated into six languages: German, Spanish, French, Italian, Portuguese, and Russian on 26,January,2022.

Professional Membership

- Computer Society of India. (Membership No. F8004024)
- Indian Society for Technical Education. (Membership No. LM 37929) (Life Member)

Awards & Recognitions

- Faculty Excellence Award from GM Group on Institute 2024

Administrative Responsibilities

Department Level

- Coordinated departmental academic and administrative activities.
- Served as **Department Coordinator / Academic Advisor / Time Table In-charge / Examination Coordinator**.
- Organized workshops, seminars, and faculty development programs (FDPs) at the departmental level.
- Mentored faculty and students in research, publication, and project activities.
- Assisted in curriculum design and syllabus revision for UG/PG programs.
- Coordinated industry–academia collaborations and MoUs at the department level.
- Maintained departmental records, accreditation documents (NAAC/NBA), and reports.

University Level

- Served as a member of **Board of Studies**.
- Acted as **Coordinator / Co-Coordinator** for university-level events, conferences, or FDPs.
- Participated in **research and innovation cell, placement cell, or student welfare committees**.
- Assisted in organizing **convocations, cultural fests, or technical symposiums** at the university level.



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- Represented the university in external collaborations or funding proposals (ATAL FDP, AICTE, etc.).
- Women Cell Chair Person
- IIC Convener

Workshops / FDPs / Seminars Attended

- **IP Awareness/Training Program, Intellectual Property Office, India** – Successfully completed an awareness and training program on Intellectual Property Rights, enhancing understanding of patenting and innovation processes. (September 22, 2022)
- Tinker Tool Training Attended under Faculty Enrichment program in GM University 2024
- Empowering DevOps with Docker: A containerized Approach to efficiency held on 9/11/24 Faculty Enrichment program in GM University
- Cyber Security-Security Essentials Attended on 14/9/24 under Faculty Enrichment program in GM University
- Organization Chart of GM university on 12/9/24 under Faculty Enrichment program in GM University
- Conducted Dynamic Learning: Enhance Education Through Animation on 10.08.2024 under Faculty Enrichment program in GM University
- **One Week Online Faculty Development Programme on “Taking Research to Next Level”, Sri Venkateshwara College of Engineering, Bengaluru** – Participated in an FDP organized by the Departments of Mechanical Engineering and Basic Science in association with IQAC, ISNT, and IIC Cell, focusing on research enhancement methodologies. (26th – 30th September 2022)
- **Two-Day NAAC Sponsored State-Level Seminar on “Teaching, Learning and Assessment Process as per OBE in Higher Education Institutions in line with NEP 2020”, GM Institute of Technology** – Attended an online seminar emphasizing Outcome-Based Education and NEP 2020 implementation strategies. (2nd – 3rd September 2022)
- Attended a Faculty Development program on “Virtual Labs” for affiliated Engineering colleges under VTU belagavi organized by the



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visvesvaraya Technological university Belgaviin association with national institute of technology Karnataka surthkal on 19th Oct 2020.

- Attended the six days Faculty Development program on “Machine Learning and AI” held between 28/12/2020 to 02/01/2021 organized by Knowledge solution India in association with Quatum Learning,Microsoft Education GlobalTraning Prtner and CERT PORT authozired testing center
- Attended a Webinar on “ Leader ship Insight” by Industry Leaders on 7th Aug 2020 organized by BPA Labs/Kahyzen Business Technology services in association with Sapro s.r.o Head quated in Czech Republic,Prague. In Collaboration with GM Institute of Technology Davangere
- Attended a one week National Level Faculty Development program on “Research Methodology and LeTeX with hands-on” technology sponsored by the “The Institute of Electronics and Telecommunication Engineering(IETE) held between 06/07/2020 to 11/07/2020 jointly organized by Department computer and Information Science and Engineering, SVCE college Bangalore.
- Attended a Webinar on “Recent Trends in Environmental Impact Assessment for Sustainability” on 16th July 2020, conducted by Dept. Of Civil Engineering, GMIT.
- Participated in Five day FDP on “OBE & Its Impact on Accreditation Process” from 06th - 10th July 2020 conducted by RVCE, Bengaluru under Margadarshan Scheme.
- Attended a Webinar on “Intellectual Property Rights & Innovations” held on 19th May 2020 by CIPR, GMIT, Davanggere. Participated in Five day FDP on “ICT & OBE” from 31st Jan to 4th Feb 2020.
- Attended the FDP on “Machine Learning, IoT and Its Applications”, organized by GMIT, Davangere from 27/01/2020 to 29/01/2020
- Completed the short term training programme “Effective Teaching” organized by National Institute of Technical Teachers Training and Research, Kolkata.
- Attended the Five days FEP on “FEP on Machine Learning and Implementations”,organized by Information science and Engineering,GMIT, Davangere from 04/07/2018 to 08/07/2018

- Attended 2-day workshop on “Outcome Based Education (OBE) and Outcome Based Accreditation (OBA)” in connection with National Board of Accreditation (NBA) process in GM Institute of Technology on 10th & 11th Feb 2017.
- Attended a 3-day Faculty Development Program on “FEEL Teacher”, conducted by CLHRD and organised by GM Institute of Technology, Davangere.
- Attended a 2-day Faculty Development Program on “Mobile Application Development using ANDROID”, jointly conducted by Dept. of CSE and ISE, GMIT, Davangere.
- Faculty Development Programme on “Programming in C and Data Structures” at REVA Institute of Technology, Bangalore

Workshops / FDPs / Seminars Organized

- Conducted A State Level Technical Fest Sukalpa -23
- Conducted Online Atal FDP Sponsored by AICTE
- Conducted 3 day Student Training Program on AI 4 Life
- Conducted Faculty meet – “Team Tower Update” on 22 Nov 2023
- Conducted Research Methodology and Scientific Writing on 08/10/2022

Projects Guided

- **UG Projects**
 - PulseAI: Machine Learning & Deep Learning based Cardiovascular Disease Detection
 - Featal Forecaster
 - Intelligent Pothole Monitoring and Detection
 - Smart AI System For Optimizing Traffic Lights On Congested Routes
 - Analysis of product price in E-Commerce
 - Image / Video forgery detection
 - EazyEyes
 - Sign language based messenger for deaf and dumb
 - ADIKE-MITRA



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- **PG Projects**

Rotation Invariant Template Matching Technique for Object Segmentation in an Image

Funded Projects / Grants Received

- 1 Lacks From ATAL in year 2024
- 10000/- from VTU Belagavi
- 15000/- From KSCST

Any Other Contributions

List of Training Courses Delivered

- Resource Person for the virtual induction programme held on 28/11/2020 at DVS Polytechnic shimoga.
- Resource Person for the Online Teaching Tool programme at SMS Convent Davangere.
- Resource Person for the Online Teaching Tool programme at GMHPU college Davangere.
- Resource Person for the Bridge course on “Object oriented Concepts” in department of ISE, GMIT from 10th to 14th Feb 2020
- Resource Person for the workshop “Python” in the Department of IS, GMIT
- Resource Person for Five Day “Bridge Course on OOPS with C++” in department of ISE, GMIT from 05/02/2018 to 09/02/2018
- Resource Person for the Five days workshop on “Programming in C/C++” organized by EEE department RYM Engineering college Bellary from 24/09/2018 to 25/09/2018.
- Resource person for five days workshop on “C Programing” , 02/08/2016 to 06/08/2016
- Resource person for two days workshop on PYTHON , 27/08/16 to 28/08/2016
- Resource person for two days workshop on Web Application Development , 06/09/2016 to 10/09/2016
- Resource person for a day workshop on Web Development, for GMHPU computer science student.
- Invited as guest Lecturer for conducting Online Teaching Tool programme at SMS Convent Davangere.
- Invited as guest Lecturer for conducting for the Online Teaching Tool programme at GMHPU college