



## B.M.S. COLLEGE OF ENGINEERING BENGALURU-19

(Autonomous Institute, Affiliated to VTU)

### Department Of Computer Applications

#### Faculty Achievements during the year July 2024- June 2025

<a href="#"><u>Dr. D N Sujatha</u></a> M.C.A., Ph.D. Professor Area of Interest: Mobile Adhoc Network, IOT, Vehicular Networks		<a href="#"><u>Dr. K VijayaKumar</u></a> M.C.A., Ph.D. Associate Professor Area of Interest: Data Mining, Machine Learning	
<a href="#"><u>Dr. Ch Ram Mohan Reddy</u></a> M.C.A., M.Phil., Ph.D. Professor & HoD Area of Interest: Web services, Software Performance Engineering		<a href="#"><u>Dr. S Uma</u></a> M.C.A., M.Phil., Ph.D. Associate Professor Area of Interest: Service Oriented Architecture, Multi Agent Systems	
<a href="#"><u>Prof. P Lakshminarayana</u></a> M.C.A., Associate Professor Area of Interest: Software Engineering		<a href="#"><u>Dr. V Padmapriya</u></a> M.C.A., Ph.D. Assistant Professor Area of Interest: Vehicular Adhoc Networks	
<a href="#"><u>Prof. Pushpa T S</u></a> M.C.A., M.Phil., (Ph.D.) Assistant Professor Area of Interest: Data Mining and Data Analytics		<a href="#"><u>Prof. Girish K</u></a> M.C.A., M.S.(By Research) Assistant Professor Area of Interest: Computer Networks, Intelligent Transport System	
<a href="#"><u>Prof. Shailaja K P</u></a> M.C.A., M.Phil., (Ph.D.) Assistant Professor Area of Interest: Data Mining, Data Analytics		<a href="#"><u>Prof. R V Raghavendra Rao</u></a> M.C.A., M.Phil., Assistant Professor Area of Interest: Data Mining, Data Analytics	
<a href="#"><u>Prof. Shilpa S</u></a> M.C.A., M.Phil., (Ph.D.) Assistant Professor Area of Interest: Data Mining		<a href="#"><u>Prof. Sunitha T</u></a> M.C.A., Assistant Professor Area of Interest: Image Processing and IoT	

Click on the faculty name - To view the Achievement

## Dr. D N Sujatha

### Invited as a Resource Person:

**July 5, 2024:** Dr. D N Sujatha, Professor, Department of Computer Applications, was invited as chief guest for the inauguration of IEEE Computer Society at Dayananda Sagar College of Engineering, Bangalore.



**July 6, 2024:** Dr. D N Sujatha was served as Reviewed for the 10<sup>th</sup> International Conference on Electronics, Computing and Communication Technologies, IEEE CONNECCT organized by IEEE Bangalore section at IISc, Bangalore.



**July 6, 2024:** Dr. D N Sujatha, Professor, Department of Computer Applications, was invited as Chair during IEEE Data and Storage Symposium at Hewlett Packard Enterprise, IEEE Computer Society, Bangalore Chapter.



**Sep 5, 2024:** Dr. D N Sujatha, Professor, Dept. of Computer Applications was served as a General Co-Chair and participated in the inaugural session of 5th IEEE Public Key Infrastructure and its Applications (PKIA 2024) at the Chancery Pavilion. PKIA is a high quality conference organised by [CDAC Bangalore](#) under the guidance of Controller of Certifying Authorities supported by [IEEE Computer Society Bangalore Chapter](#) and [IEEE IAS Bangalore Chapter](#)





**Sep 21, 2024:** Dr. D.N. Sujatha, a Professor in the Department of Computer Applications and Executive Director of BITES, was invited to participate in BITES Board meeting held at IISC, Bengaluru.



**Sep 21, 2024:** Dr. D.N. Sujatha, a Professor in the Department of Computer Applications and Executive Director of BITES, was invited to participate in the BITES Annual General Meeting held at IISc, Bengaluru.



**Sep 28, 2024:** Dr. D.N. Sujatha, Professor in the Department of Computer Applications, served as the chair for the IEEE CSBC Girl GEEKS 2024 initiative and presided over the grand finale of the event. The Girl GEEKS initiative aims to empower and inspire young girls in colleges and young Women in industry. A visionary Girl GEEK student will steer her team through a month of innovation from ideation to creation of a prototype.



**Oct 21, 2024:** Dr. D. N. Sujatha, Professor in the Department of Computer Applications, was invited as the Guest of Honour for “Cyber



Security Week” at Vemana Institute of Technology, Bengaluru.



**Nov 16, 2024:** Dr. D. N. Sujatha, Professor in the Department of Computer Applications, was invited as Chief Guest for the upcoming preconference ICDDS hackathons HackEEE'24 and Silicon Rush 2.0 conducted by EEE Department and IEEE CS PES University Bangalore in association with IEEE Computer Society Bangalore chapter.



**Dec 6, 2024:** Dr. D. N. Sujatha, Professor in the Department of Computer Applications, was invited to attend the inauguration of the 3rd International Conference on Data, Decision, and Systems at PES University.





**Jan 07, 2025:** Dr. D. N. Sujatha, Professor in the Department of Computer Applications, attended a meeting with Jyothika Athavale, the IEEE CS President (2024), at Leela Palace in Bengaluru.



**Jan 08, 2025:** Dr. D. N. Sujatha, Professor in the Department of Computer Applications, attended the WiE Track, as one of the WiE Co-Chairs at COMSNETS 2025, held at Chancery Pavilion in Bengaluru.



**Jan 18, 2025:** Dr. D. N. Sujatha, Professor in the Department of Computer Applications, participated in the IEEE Computer Society AGM held at PESU, Bengaluru.



**Jan 23, 2025:** Dr. D. N. Sujatha, Professor in the Department of Computer Applications, attended a meeting with the TVSM team to discuss the initiation of the IEEE CS BC SIG at TVS Motor Company, Electronic City.



**Feb 25, 2025:** Dr. D. N. Sujatha, Professor in the Department of Computer Applications, was invited to attend DAB Meeting at Ramaiah Institute of Technology.



**March 10, 2025:** Dr. D. N. Sujatha, Professor in the Department of Computer Applications, was

invited to SJBIT to present a talk on IEEE benefits and opportunities.



### Research Publications:

**Dec 30, 2024:** Shreyas C.S.(1BM22MCo50) and D N Sujatha, published an article titled "Predicting Heart Disease Using Machine Learning: A Comparative Analysis of Classification Models" Medicon Engineering Themes Vol. 7 Issue 6, Dec 2024, pp. 39-49.

## Dr. K VijayaKumar

### Research Publications:

**May 06, 2025:** A paper titled "Deep learning architectures for detection of acute myeloid leukemia" published by INDERSCIENCE Publishers, which is jointly authored by Niteesh Kempusagara Ramesh (1BM20MCo32), Dr. Vijayakumar Kadappa, Dr. Rajeshwari Devi Doddapoojari Veerabhaskar, Dr. Divijendranatha Reddy Sirigiri and Pooja Tekal Sreedhar (1BM21MCo34).

Journal Name: International Journal of Computational Science and Engineering, 2025 Vol.28 No.3, pp.278 – 291.

**June 02, 2025:** Shankru Guggari, Umadevi V., and Vijayakumar Kadappa have published an eBook titled "Advances in Partitioning Techniques: A Prospective Towards Artificial Intelligence."

DOI: <https://doi.org/10.1201/9781003471905>

Publisher: Chapman and Hall/CRC.

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## Dr. Ch. Ram Mohan Reddy

### Research Publications:

Swapna Sarita Swain, **RV Raghavendra Rao, Ch Ram Mohan Reddy**, Harkirat Kaur, Sampath Boopathi, "Predictive Analytics for Urban Development Using ML Technique"

Chapter 21: In K. Bellam, K. Nagappan, N. Sankaran, S. Chowdhury, & D. Perakovic (Eds.), "Urban Mobility and Challenges of Intelligent Transportation Systems" (pp. 383-402). IGI Global Scientific Publishing. DOI: 10.4018/979-8-3693-7984-4.ch021

<https://doi.org/10.4018/979-8-3693-7984-4.ch021>

## Dr. S Uma

**May 20, 2025:** Dr. S. Uma, Professor and Head, department of Computer Applications was invited as a judge for UI/UX PRINT (Building Web Pages) event in BROWSE 2025, a National level Technical Symposium conducted by Siddaganga Institute of Technology, Tumkur.



**June 20, 2025:** Dr. S. Uma, Professor and Head, department of Computer Applications was invited as a VTU Nominee to conduct the Pre-PhD Comprehensive Viva Voce examination at 11:00 AM to 02:00 PM in the VTU Centre for PG Studies, Muddenahalli, Chikballapur.

**Nov 12-13, 2024:** Dr. S. Uma served as a technical paper reviewer for the 5<sup>th</sup> IEEE WINTECHCON 2024 (Women in Technology Conference).



**June 20, 2025:** Dr. S. Uma, Professor and Head, department of Computer Applications was invited as a VTU Nominee to conduct the Pre-PhD Comprehensive Viva Voce examination at 11:00 AM to 02:00 PM in the VTU Centre for PG Studies, Muddenahalli, Chikkaballapur.

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## Prof. P Lakshminarayana

### Research Publications:

**Prof. Lakshminarayana P, Ms. Chandana(1BM23MC025)**, “Skin Disease Classification Using Explainable AI”, International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056, Volume: 12 Issue: 06 | Jun 2025 [www.irjet.net](http://www.irjet.net) p-ISSN: 2395-0072

<https://www.irjet.net/archives/V12/i6/IRJET-V12I607.pdf>

### FDP/MOOC/Online courses successfully completed:

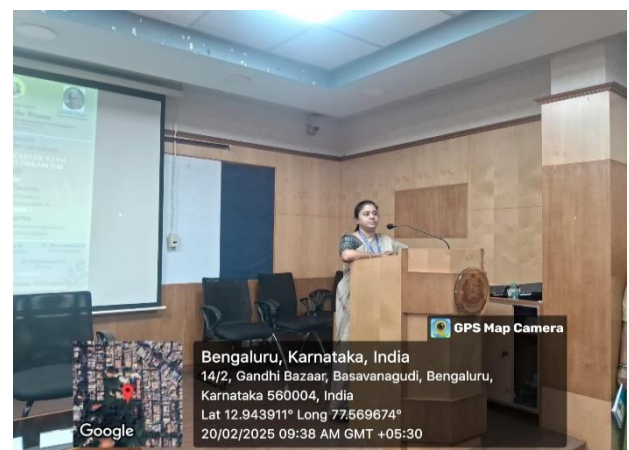
“Ethics in Engineering Practice”, Aug-Oct 2024, MOOC Course, FDP-AICTE Approved course on SWAYAM platform

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## Dr. V Padmapriya

### Invited as a Resource Person:

**Feb 19, 2025:** Dr. V. Padmapriya, faculty of the Department of Computer Applications delivered a talk titled “Charting Your Career Path: From Degree to Dream Job” for 2nd and 3rd-year students of BCA and BSc (Computer Science) at BMS Womens College, Basavanagudi. This talk was to give future directions to the degree students to pursue their dream job, choose an appropriate PG course, or take the path of Entrepreneur.







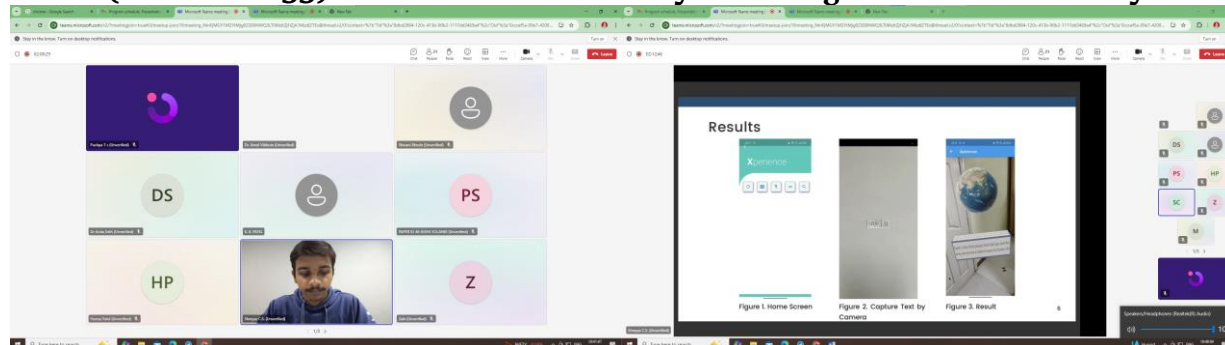
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## Prof. Pushpa T S

### Research Publications:

**Dec 12, 2024:** The research paper titled “Text Recognition and 3D Rendering using Optical Character Recognition and Augmented Reality” presented in online mode at 6<sup>th</sup> International Conference on Soft Computing and its Engineering Applications (icSoftComp2024), organized by Charotar University of Science and Technology, Chnaga, held at Bangkok, Thailand during Dec 10-12, 2024.

**Authors: Pushpa T S, Sumanth V (1BM21MC052), Shreyas C.S. (1BM22MC050), Prajwal R Bhat(1BM22MC033) and Nandan Kumar Dayanand Sagar Business Academy.**



## Prof. Girish K

**March 29, 2025:** Rohith Kashyap M.A. (1BM22EC200), Rohit G. Gadag (1BM22EC199), Selva Kumar M. (1BM22EC227), and Shamanth K. Murthy (1BM22CS251) have secured an outstanding third place in the prestigious international e-Yantra Robotics Competition (eYRC 2025).

The team showcased remarkable innovation, creativity, and technical proficiency in hardware-software co-design, earning accolades for their exceptional contribution to the Eco Mender Bot Challenge.

This remarkable accomplishment was made possible under the mentorship of Prof. Girish K from the Department of Computer Applications and Prof. Harish V. Mekali from the Department of Electronics and Communication Engineering.

eYRC 2025, held from March 28th to 29th, featured the FPGA-based Eco Mender Bot theme, with 528 teams from various institutions participating. The competition focused on fostering innovation in hardware-software co-design, challenging teams to develop efficient and sustainable solutions using FPGA technology.



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## Prof. Shailaja K P

### Research Publications:

Vismayaa Yadav BKV (1BM22MC060), Shailaja K.P, "Prediction of Stock Price Using XG Boost: A Machine Learning Technique", IJRASET Volume 12 Issue VII , ISSN: 2321-9653, Volume 12 Issue VII, July 13, 2024.

doi: <https://doi.org/10.22214/ijraset.2024.63695>

Meghana R(1BM22MC019), Shailaja K.P, "Predicting Stock Prices Using LSTM Networks: A Comprehensive Approach", IJRASET Volume 12 Issue VII , ISSN : 2321-9653, July 20, 2024.

doi:<https://doi.org/10.22214/ijraset.2024.63696>

<https://www.ijraset.com/research-paper/predicting-stock-prices-using-lstm-networks>

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## Prof. R V Raghavendra Rao

### Research Publications:

Swapna Sarita Swain, RV Raghavendra Rao, Ch Ram Mohan Reddy, Harkirat Kaur, Sampath Boopathi, "Predictive Analytics for Urban Development Using ML Technique"

Chapter 21: In K. Bellam, K. Nagappan, N. Sankaran, S. Chowdhury, & D. Perakovic (Eds.), "Urban Mobility and Challenges of Intelligent Transportation Systems" (pp. 383-402). IGI Global Scientific Publishing. DOI: 10.4018/979-8-3693-7984-4.ch021

<https://doi.org/10.4018/979-8-3693-7984-4.ch021>

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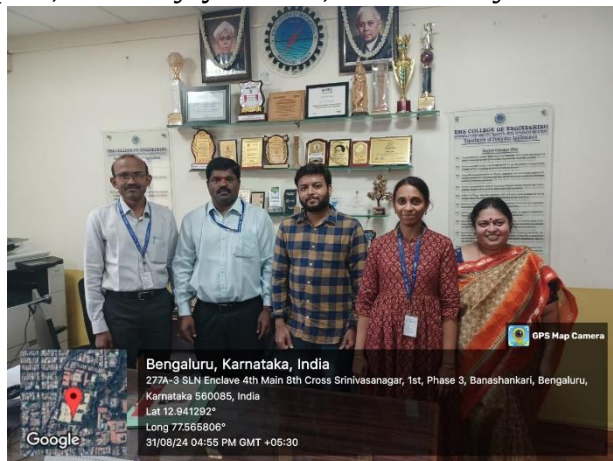


## Prof. Shilpa S

### MOU Signed:

**Aug 31, 2024:** MoU was signed between the Department of Computer Applications and Vipra software located at C V Raman nagar, Bengaluru. Vipra Software is a Data Engineering company and specializes in Big data technologies. Dr. Ch Ram Mohan Reddy signed on behalf of Department of Computer Applications, BMSCE.

Coordinators: Smt. Shilpa S, Dr. K Vijayakumar, Smt. Shailaja K P and Smt. Pushpa T S



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## Prof. Sunitha T

### FDP/MOOC/Online courses successfully completed:

“QT-02 Foundations of Quantum Technologies”, MOOC Course-FDP-AICTE Approved (course on SWAYAM platform), April-May 2025.

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Compiled & Documented by :

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IQAC Coordinator (from June 2014)  
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