

	<p><b>Mr. Vinayak A. Telsang</b>  <b>Assistant Professor</b>  Department of Artificial Intelligence and Machine Learning  <b>v.telsang@gmail.com</b>  <b>+91-9620152576</b></p>
<p><b>Office Address</b></p>	<p>Department of Artificial Intelligence and Machine Learning  Biluru Gurubasava Mahaswamiji Institute of Technology,  Mudhol-587313, Karnataka, India  Office Phone: 08350 454452</p>
<p><b>Experience</b></p>	<p>11 Years Teaching Experience  05 Years of Research Experience</p>
<p><b>Qualification</b></p>	<ul style="list-style-type: none"> <li>• <b>Pursuing Ph.D.</b> (Computer Science and Engineering) at Visvesvaraya Technological University (VTU), Belagavi (Thesis Title: Data Security Management Techniques for Edge Computing)</li> <li>• <b>M. Tech.</b> (<i>Software Engineering</i>) 2013  SRM University (Deemed University), Chennai (Thesis Title: Riskless and Stable Storage Utilities in Cloud)</li> <li>• <b>B. E.</b> (<i>Information Science &amp; Engineering</i>) 2010  Basaveshwar Engineering College, Bagalkote  Visvesvaraya Technological University (VTU), Belagavi</li> </ul>
<p><b>My ID's</b></p>	<p>AICTE Faculty ID: 1-2738871207  VTU Faculty ID: 2LBCS0006784</p>
<p><b>Area of Interest</b></p>	<p>Web Applications, Machine Learning, Edge Computing</p>
<p><b>Subject Handled</b></p>	<p>C- Programming, Data Structure &amp; Algorithms, Object Oriented Concepts, Database Management System, Operating Systems, Compiler Design, Python Programming, Storage Area Networks, Java and J2EE, Artificial Intelligence and Machine Learning, Web Technology &amp; it's Application, Cryptography and Network Security, Artificial Intelligence.</p>
<p><b>Mini Projects Guided</b></p>	<p style="text-align: center;"><b>UG (Last Three Years)</b></p>
	<ol style="list-style-type: none"> <li>1) AI Based Agro Smart Recycle</li> <li>2) Crowd Prediction for Bus Lines Using Artificial Intelligence</li> </ol>
<p><b>Projects Guided</b></p>	<p style="text-align: center;"><b>UG (Last Three Years)</b></p>
	<ol style="list-style-type: none"> <li>1) Sign Language Translation Using Machine Learning</li> <li>2) ATC Simulation using Machine Learning</li> <li>3) Intelligent Planning for Destination Explorer</li> <li>4) Authentication Scheme for IoT Devices using Blockchain</li> </ol>

## **Student Project Grants: 06**

- 1) KSCST 2025-26** **Rs. 4,000**  
**Project Associates: Ms. Anuja Patil, Ms. Arpita Ramdurg, Ms. Rakshita Angadi, Ms. Anusha Harlapur**  
**Project Title: Skill Gap Analyzer Using Natural Language Processing**  
From Karnataka State Council for Science and Technology (KSCST)  
Department of Information Technology, Biotechnology and Science and Technology (Dept. of IT & BT),  
Government of Karnataka
- 2) KSCST 2025-26** **Rs. 4,500**  
**Project Associates: Mr. Uday V. Hosur, Ms. Sudha I. Malagundi, Ms. Vinuta V. Vastrad, Mr. Paisal A. Maddin**  
**Project Title: CHITRAVACHAKA: Tesseract OCR & Google TTS Based Kannada Image Recognition & Speech Generation**  
From Karnataka State Council for Science and Technology (KSCST)  
Department of Information Technology, Biotechnology and Science and Technology (Dept. of IT & BT),  
Government of Karnataka
- 3) KSCST 2023-24** **Rs. 4,500**  
**Project Associates: Mr. Gopal R. Chenni Ms. Pradnya S. Bilagi Mr. Dhanush J. Yadav Mr. Niranjan S. Purad**  
**Project Title: Crowd Prediction for Bus Lines Using Artificial Intelligence**  
From Karnataka State Council for Science and Technology (KSCST)  
Department of Information Technology, Biotechnology and Science and Technology (Dept. of IT & BT),  
Government of Karnataka
- 4) KSCST 2023-24** **Rs. 4,000**  
**Project Associates: Ms. Nikita B. Mane, Ms. Akshata K. Anennavar, Mr. Mohammad M. Takkekar, Ms. Mangal S. Nyamagoud**  
**Project Title: AI Based Agro Smart Recycle**  
From Karnataka State Council for Science and Technology (KSCST)  
Department of Information Technology, Biotechnology and Science and Technology (Dept. of IT & BT),  
Government of Karnataka
- 5) KSCST 2022-23** **Rs. 4,000**  
**Project Associates: Ms. Madhushree Sudimath, Ms. Deepa B. Kumbar, Mr. Mallappa N. Hallad, Mr. Manikanth R. Nikkam**  
**Project Title: Voice Based E-Doctor Chatbot Application for Physically Challenged People**  
From Karnataka State Council for Science and Technology (KSCST)  
Department of Information Technology, Biotechnology and Science and Technology (Dept. of IT & BT),  
Government of Karnataka

**6) KSCST 2019-20**

**Rs. 2,500**

**Project Associates: Ms. Tejashwini Bhosale, Ms. Vidyashree Athani, Mr. Somanath Goudar, Ms. Shettevva**

**Project Title: Face Detection & Recognition Using OpenCV**

From Karnataka State Council for Science and Technology (KSCST)

Department of Information Technology, Biotechnology and Science and Technology (Dept. of IT & BT),

Government of Karnataka

**Publications ()**

<b>Journals</b>	<b>04</b>
<b>Conferences</b>	<b>05</b>

**Journals**

- **Vinayak A. Telsang**, Mahabaleshwar S. Kakkasageri, Anil D. Devangavi, "Intrusion Detection Analysis using Deep Learning Models in IoT", International Journal of Research and Analysis in Science and Engineering, vol. 5, issue 5, 2024.
- **Vinayak A. Telsang**, Mahabaleshwar S. Kakkasageri, Anil D. Devangavi, "Blockchain Based Device Authentication in Edge Computing Using Quantum Approach", Jordanian Journal of Computers and Information Technology (JJCIT), vol. 11, no. 01, pp. 100 -116, 2025. *DOI: 10.5455/jjcit.71-1724681080*  
**(Ranking: Q3)**
- Gururaj S. Kori, Mahabaleshwar S. Kakkasageri, Poornima M. Chanal Rajani S. Pujar, **Vinayak A. Telsang**, "Wireless sensor networks and machine learning centric resource management schemes: A survey", Ad Hoc Networks, 167, 103698, 2025. **(Ranking: Q2)**
- **Vinayak A. Telsang**, Mahabaleshwar S. Kakkasageri, Anil D. Devanagavi, Rajani S. Pujar, "Lattice-based Cryptographic Technique to Preserve Data Confidentiality in Edge Computing", Cluster Computing, Springer, Vol. 28, issue. 28, no. 753, 2025. *DOI: https://doi.org/10.1007/s10586-025-05507-6* **(Ranking: Q1)**
- **Vinayak A. Telsang**, Mahabaleshwar S. Kakkasageri, Anil D. Devangavi, "Data Security and Privacy Techniques in Edge Computing: A Review", Wireless Personal Communications, Springer, 2025 (*Under Review*)

**Conferences:**

- **Vinayak A. Telsang** and Kavya Hegde, "Breast cancer prediction analysis using machine learning algorithms" in International Conference on Communication, Computing and Industry 4.0 (C2I4), Bangalore, India, 2020.
- **Vinayak A. Telsang**, M. S. Kakkasageri and A. D. Devangavi, "Edge Computing Devices Authentication using Quantum Computing", Proc. of 15<sup>th</sup> International Conference on Computing Communication and Networking Technologies (ICCCNT), pp. 1-6, Kamand, June 24-28, India, 2024.
- G. S. Kori, M. S. Kakkasageri, V. Hiremath, P. M. Chanal, R. S. Pujar and **V. A. Telsang**, "Cognitive Swarm Drones Attack Model: A Grey Wolf Optimization

Approach," IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT), pp. 1-6, Bangalore, July 12-14, India, 2024.

- **Vinayak A. Telsang**, Mahabaleshwar S. Kakkasageri and Anil D. Devangavi, "Secured Algorithm for Communication between Edge Device and Server", Proc. of 6<sup>th</sup> International Conference on Machine Learning, Image Processing, Network Security and Data Sciences (MIND), December 20-21, NIT Goa, India, 2024.
- **Vinayak A. Telsang**, Mamata J. Sataraddi, Mahabaleshwar S. Kakkasageri, and Rajani S. Pujar, "An LSTM-Based Model for Robust Data Integrity Verification in Edge Environment", Proc. of 4<sup>th</sup> International Conference on Paradigms Shifts in Communication, Embedded Systems, Machine Learning and Signal Processing (PCEMS), VNIT Nagpur, India, 2025

### **Training/Courses:**

- Four week certification course on "**Writing, Running, and Fixing Code in C**", organised by **Duke University**, conducted by Andrew Hilton, Genevieve M. Lipp and Anne Bracy, **Cornell University**, in association with Coursera, from 26<sup>th</sup> October– 03<sup>rd</sup> November 2020.
- AICTE approved NPTEL online certification course on "**Python for Data Science**", organised by IIT Madras, in association with SWAYAM, & MHRD, Govt., of India, from 14<sup>th</sup> September – 12<sup>th</sup> October 2020.
- One Week training on "**Android Development with Kotlin**" from 14<sup>th</sup>-19<sup>th</sup> Sept 2020.
- Certification course on "**Machine Learning using Python**" an online project-based course from Skyfi Labs on 25<sup>th</sup> August 2020.
- Four week certification course on "**Introduction to Data Science in Python**", organised by **University of Michigan**, conducted by Prof. Christopher Brooks, School of Information, University of Michigan, in association with Coursera, from 6<sup>th</sup> – 27<sup>th</sup> July 2020.
- AICTE approved NPTEL online certification course on "**Programming in JAVA**", organised by IIT Kharagpur, in association with SWAYAM, & MHRD, Govt., of India, from 27<sup>th</sup> January – 17<sup>th</sup> April 2020.

### **AICTE/IIT/IIT/NIT**

### **FDP/Seminars/Workshops/Symposiums/Webinars:**

- One week FDP on "**Fundamentals of Artificial Intelligence and Machine Learning**", organized by Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote from 16<sup>th</sup> December to 20<sup>th</sup> December 2025.
- One week FDP on "**AI-ML Based Smart Grid**", organized by Department of Electrical and Electronics Engineering, Basaveshwar Engineering College, Bagalkote from 30<sup>th</sup> January to 3<sup>rd</sup> February 2025.

- One Week online FDP on “**Hardware Security for Internet of Things**”, organized by NIT Rourkela, in association with AICTE Training and Learning (ATAL) Academy from 21<sup>st</sup> November to 25<sup>th</sup> November 2022.
- One Week online FDP on “**Fog and Edge Computing Challenges and Research Directions**”, organized by National Institute of Technology Sikkim, in association with AICTE Training and Learning (ATAL) Academy from 26<sup>st</sup> October to 30<sup>th</sup> October 2021.
- One Week online FDP on “**AI- Machine Learning & Optimizations**”, organized by IIT Allahabad, in association with AICTE Training and Learning (ATAL) Academy from 1<sup>st</sup> February to 5<sup>th</sup> February 2021.
- One Week online FDP on “**Data Sciences**”, organized by NIT Surathkal, in association with AICTE Training and Learning (ATAL) Academy from 21<sup>st</sup> September to 25<sup>th</sup> September 2020.
- One week online FDP on “**Data Sciences**”, organized by MSME – TECHNOLOG DEVELOPMENT CENTRE (PPDC), Meerut, in association with AICTE Training and Learning (ATAL) Academy from 20<sup>th</sup> April to 24<sup>th</sup> April 2020.
- Five days FDP on “**Internet of Things with Machine Learning and Artificial Intelligence**” organized by GTU in association with NIT Warangal, 14-18, Sept 2020.
- One-day Webinar on “**Emerging Artificial Intelligence Techniques**”, organized by Artificial Intelligence Foundation, Lucknow, India, on 5<sup>th</sup> July 2020.
- One-day Webinar on “**Computer Communication and Virtualization Technology**”, organized by National Institute of Technical Teachers Training and Research (NITTTR), Chennai - 600113, India, Ministry of Human Resource Development, Govt. of India, in association with IEEE Technology and Engineering Management Society (IEEE TEMS) Madras Chapter. on 25<sup>th</sup> June 2020.
- TEQIP-III Sponsored Three days online FDP on “**Recent Advances in Automation and Networking**”, organized by Department of ECE, Basaveshwar Engineering College (Autonomous), Bagalkot, 18<sup>th</sup> to 20<sup>th</sup> June 2020.
- TEQIP-III Sponsored National Level One Week Virtual FDP on “**Machine Learning based Project Architecture Design**”, organized by Department of ECE in association with Department of ISE, Basaveshwar Engineering College (Autonomous), Bagalkot, 15<sup>th</sup> to 19<sup>th</sup> June 2020.
- National Level Webinar on “**Decoding DNA for Professional Success: Uncertainty to Certainty**”, organized by B. V. V. Sangha’s, Institute of Management Studies, Bagalkot, on 3<sup>rd</sup> June 2020.
- One week online FDP on “**R Programming**”, organized by Sree Vidyanikethan Engineering College (Autonomous), Tirupati, in association with Spoken Tutorial Project, IIT Bombay, funded by Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, MHRD, Govt., of India, from 25<sup>th</sup> to 29<sup>th</sup> May 2020.
- Three days online FDP on “**How to use Cloud Computing Effectively - Theory to Practice**”, organised by Sathyabama Institute of Science and Technology, in association with Computer Society of India (CSI), from 11<sup>th</sup> to 13<sup>th</sup> May 2020.
- Online webinar on “**An Intro to Full Stack Development**”, organised by Department of CSE, Sri Venkateswara College of Engineering, Tirupati, on 10<sup>th</sup> May 2020.
- One week online FDP on “**Python 3.4.3**”, organized by Dwarkadas Jivanlal Sanghvi College of Engineering, Mumbai, in association with Spoken Tutorial Project, IIT

Bombay, funded by Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, MHRD, Govt., of India, from 3<sup>rd</sup> to 7<sup>th</sup> May 2020.

- Two days online workshop on **“AI Web Series”**, organized by Department of Computer Science School of Engineering, Babu Banarasi Das University Lucknow, in association with The Institution of Engineers India (IEI), on 2<sup>nd</sup> and 3<sup>rd</sup> May 2020.
- Three days online workshop on **“Education 4.0”**, organised by IQAC, organised by Atharva College of Engineering, Mumbai, from 28<sup>th</sup> to 30<sup>th</sup> April 2020.
- One day virtual workshop on **“Effective Online Engineering Education: Tips & Tricks”**, organized by IEEE Bangalore Section, on 26<sup>th</sup> April 2020.
- One week online FDP on **“BOSS Linux - Ubuntu Operating System”**, organized by Karmaveer Bhaurao Patil College of Engineering, Satara, in association with Spoken Tutorial Project, IIT Bombay, funded by Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, MHRD, Govt., of India, from 15<sup>th</sup> to 21<sup>st</sup> April 2020.
- One Week FDP on **“Implementation of Outcome based Education in Higher Educational Institutions”**, at SIT Tumukur in association VTU Belagavi from 8<sup>th</sup>-12<sup>th</sup> July 2019.
- One-day workshop and new learning experience on **“Role of Ratings, Rankings and Accreditation in Creating Institutions of Eminence and Excellence”**, at PES University. Organized by Board for IT Education Standards (BITES) and Visvesvaraya Technological University (VTU), Belgavi in association with PES University, Bengaluru and Indian Centre for Academic Rankings and Excellence (ICARE) on Saturday 21<sup>st</sup> July 2018.

### **Professional Activities:**

- **Website Coordinator at College Level** from 2021 to till date.
- **Procurement Committee member at College Level** from 2023 to till date.
- **Contineo College level Coordinator** from 2025 to till date.