



# Bharati Vidyapeeth's

## Institute of Technology (Polytechnic), Navi Mumbai, Mumbai

### Report on Three Days Online Faculty Development Training Programme on "Intelligent Data Analytics using Artificial Intelligence and Machine Learning"

<p>Three Days State Level Faculty Development Training Programme (FDTP) On <b>Intelligent Data Analytics using AI and Machine Learning</b></p> <p><b>MODE: ONLINE</b></p> <p><b>Date: 20<sup>th</sup> April to 22<sup>nd</sup> April 2026</b></p> <p>In Association with,</p>   <p>Organized By</p> <p><b>DEPT. OF COMPUTER TECHNOLOGY &amp; INFORMATION TECHNOLOGY</b></p>  <p><b>BHARATI VIDYAPEETH INSTITUTE OF TECHNOLOGY</b></p> <p>Sector 7, C.B.D., Opp. <del>Dehanda</del> Metro Station, <del>Dehanda</del> Navi Mumbai - 410210 Email: <a href="mailto:cmtd027@gmail.com">cmtd027@gmail.com</a>   Mob: 9702000043   Tel. No.: 022-27572434, 27579064   Fax: 022-2758012 Website: <a href="http://www.icimumbai.bharativedyapeeth.edu">www.icimumbai.bharativedyapeeth.edu</a>, DTE code-3256, MSBTE Institute code-0027</p>	<p><b>PATRONS</b></p> <p><b>Dr. V. J. Kadam</b> Director, Bharati Vidyapeeth Educational Complex, Navi Mumbai</p> <p><b>Mr. P. N. Jandani</b> Principal, BVT, Navi Mumbai.</p> <p><b>Mr. J. K. Patil</b> Vice Principal, BVT, Navi Mumbai.</p> <p><b>ADVISORY COMMITTEE</b></p> <p><b>Hon. Dr. Vinod M. Mohitkar</b> (Director, DTE, Maharashtra State, Mumbai)</p> <p><b>Hon. Dr. Pramod A. Naik</b> (Director, MSBTE, Mumbai)</p> <p><b>Hon. Shri. Maruti R. Jadhav</b> (Secretary, MSBTE, Mumbai)</p> <p><b>CONVENER</b></p> <p><b>Mr. M. V. Mhatre</b> UQD, Computer Technology</p> <p><b>Mr. R. R. Pawar</b> UQD, Information Technology</p> <p><b>CHIEF COORDINATOR</b></p> <p><b>Mrs. Shobhana Gaiwad</b> Mob: 8108554554 <b>Mrs. Smita Kulkarni</b> Mob: 9930005054 <b>Mrs. Reena Gharat</b> Mob: 9892063494</p> <p><b>PROGRAMME COORDINATOR</b></p> <p>Mr. Suresh Kale Mrs. Shilpa Jadhav Mr. Kanda <del>Kunwar</del> Mungam Dhesar</p>	<p><b>ABOUT INSTITUTE</b></p> <p>Bharati Vidyapeeth Institute of Technology runs diploma courses in 1) Computer Technology 2) Electronics and Telecommunication 3) Information Technology 4) Mechanical Engineering 5) Electrical Engineering 6) Civil Engineering. With a sprawling area and excellent infrastructure the Institute caters to technical man power requirement of the surrounding industrial zone.</p> <p>All the courses are accredited from 2024 to 2027 by NBA.</p> <p>The highly experienced and professionally competent faculty members were also involved in the Staff Training Program for the Reliance Industries Ltd., Reliance Petro-chemical, IPCL, Reliance Info Com. Ltd. Under Social initiative drive BVT conducts Skill Development courses for 8th, 9th and 10th dropouts under PMKVY. This Institute has also signed 3 years MOU with TCS. This college is the Project Institute for many MSBTE activities. Every year the Institute successfully organizes MSBTE sponsored project exhibition- Ventura (for Mumbai region)</p> <p><b>VISION</b></p> <p>We envision good human beings empowered with the wealth of technical knowledge which enables them to serve mankind at their best irrespective of culture, religion and country.</p> <p><b>MISSION</b></p> <p>To provide value based education and mold the character of younger generations, thus empowering them for a wholesome and life long journey. To provide society with a professionally competent engineer, inquisitive researcher, compatible team leader and able administrator.</p>
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<p><b><u>ABOUT DEPARTMENT</u></b></p> <p>The Department of Computer Technology was established in 1986. It provides quality education in Computer Engineering and Information Technology with the help of experienced faculty and modern facilities. The department focuses on developing students' programming, analytical, and technical skills. The diploma course includes subjects like Programming, Database Management, Software Testing, Computer Networks, and Security. The department has good industry interaction and an excellent placement record. It has been accredited by the National Board of Accreditation (NBA) for 2012–2015 and 2021–2024.</p> <p><b><u>VISION</u></b></p> <p>Aspiring to provide society with well-qualified Computer engineers equipped with excellent technical skills and ethical values to compete globally.</p> <p><b><u>MISSION</u></b></p> <p>M1. To impart quality technical education that meets the needs of present and emerging trends in Computer Technology</p> <p>M2. To strive for student achievement and success, preparing them for lifelong learning and leadership.</p> <p>M3. To provide a scholarly and vibrant learning environment that enables staff and students achieve personal and professional growth.</p> <p>M4. To contribute to advancement of knowledge in both fundamental and applied areas of engineering and technology.</p> <p>M5. To forge mutually beneficial relationships with governmental entities, industry, society and the alumni.</p>	<p><b><u>OBJECTIVES OF FDP</u></b></p> <ul style="list-style-type: none"> <li>• To introduce the concepts of Artificial Intelligence and Machine Learning.</li> <li>• To understand techniques used in Intelligent Data analytics.</li> <li>• To improve knowledge of data processing and analysis.</li> <li>• To encourage faculty to use AI and ML tools in teaching and research.</li> <li>• To explore real-world applications of AI-based data analytics.</li> </ul> <p><b><u>ABOUT FDP</u></b></p> <p>The Faculty Development Program (FDP) on Intelligent Data Analytics using AI and Machine Learning aims to introduce participants to modern techniques of data analysis using Artificial Intelligence and Machine Learning. This program helps faculty and participants understand how intelligent systems analyze large data and make useful predictions for real-world applications.</p> <p><b><u>TRAINING OUTCOMES</u></b></p> <ul style="list-style-type: none"> <li>• Participants will understand the basic concepts of AI and Machine Learning.</li> <li>• They will learn how to analyze data using intelligent techniques.</li> <li>• Participants will gain knowledge of practical applications of AI in data analytics.</li> <li>• Faculty will be able to apply AI and ML concepts in academics and research.</li> </ul>	<p><b><u>REGISTRATION FEES DETAILS</u></b></p> <p>Registration fee: 200/-</p> <p>Registration &amp; Payment link: <a href="https://forms.gle/hryW8Pu3QiafnSpm7">https://forms.gle/hryW8Pu3QiafnSpm7</a></p> <p><b><u>RESOURCE PERSONS</u></b></p> <p>Mr. Prashant Kamble, (Director, Live Tech India)</p> <p>Vibhuti Sarang, (AIML expertise)</p> <p><b><u>PROGRAM SCHEDULE</u></b></p> <p><b><u>Session 1: Power BI</u></b></p> <ul style="list-style-type: none"> <li>• Introduction to Power BI</li> <li>• Data Transformation</li> <li>• Data Modeling</li> <li>• Basic Visuals</li> <li>• DAX</li> <li>• Interactive Reports</li> </ul> <p><b><u>Session 2: Machine learning</u></b></p> <ul style="list-style-type: none"> <li>• Machine Learning</li> <li>• Regression</li> <li>• Classification</li> <li>• Model Evaluation</li> <li>• Unsupervised Learning</li> <li>• Practical Implementation</li> </ul> <p><b><u>Session 3: Machine Learning and Devops</u></b></p> <ul style="list-style-type: none"> <li>• Reinforcement Learning</li> <li>• Prompt Engineering</li> <li>• LLM</li> <li>• RAAG</li> <li>• Devops</li> </ul>
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Three Days Online Faculty Development Training Programme was organized by Department of Computer Technology and Information Technology, Bharati Vidyapeeth Institute of Technology, Navi Mumbai From 20<sup>th</sup> April to 22<sup>nd</sup> April, 2026 on the topic “**Intelligent Data Analytics using Artificial Intelligence and Machine Learning**”. The Programme was organized to enhance understanding of intelligent data analytics concepts, and to improve the ability to apply ML and AI techniques in teaching and research the faculty for our institute and other institute faculty too. Faculty from other colleges have also participated in this FDP.

The Programme was inaugurated on 20<sup>th</sup> April 2026 by Hon, Mr.P.N.Tandon, Principal, BVIT, Mr. Mithun Mhatre HOD, CM and Mr. Ranjit Pawar HOD, IF along with all the departmental Teaching staff, supporting staff and other college participants.

The programme was coordinated by Mrs.Shobhana Gaikwad, Mrs.Smita Kuldiwar and Mrs.Reena Gharat of Bharati Vidyapeeth Institute of Technology, Navi Mumbai.

Day 1 was focused by Ms.Vaishnavi Bhilare, Technical Trainer at LivetechIndia, Navi Mumbai on the topic “**Power BI.**” Mam has shared her knowledge about Power BI Desktop Interface, Installing Power BI Desktop, understanding dataset structure and Data Transformation.

Day-2 was enlightened by Ms.Vibhuti Sarang, AI ML Technical Trainer at LivetechIndia, Navi Mumbai on the topic “**Machine Learning**”. Mam has shared her knowledge about Supervised

Learning, Linear Regression with Practical implementation, and Decision Tree with Practical implementation and Clustering.

Day-3 session 1 was enlightened by ER. Sumeet Singhi, Assistant Professor at Fr.Conceicao Rodrigues College of Engineering on the topic”**GenAI, Prompt Engineering, LLM and RAG**”. He interacted with the faculty & answered their various queries. The 2nd Session was conducted by Mr.Viki Patil, Assistant Professor at A.P.Shala College on the topic “**DevOps Lifecycle, SDLC,CI/CD Concept and Agile vs DevOps**”. All faculties learn a lot from this session.

Overall the program was appreciated by all the participants and interested to attend such a program in future.