

### **Bharati Vidyapeeth & Bharati Vidyapeeth Deemed University:**

Bharati Vidyapeeth, the parent body of Bharati Vidyapeeth University was established by Hon'ble Dr. Patangrao Kadam on 10th May 1964 with the mission of 'Social transformation through dynamic education'. The University started functioning as a deemed University from 26th April 1996 and has earned reputation of being one of the top universities in India and achieved 'A' Grade university status by MHRD, Govt. of India (2012). The university also received 'A+' grade reaccreditation in (2017), 'A' grade accreditation in (2012) and accreditation in (2005) by NAAC.

### **BV (DU) College of Engineering, Pune:**

College of Engineering, a constituent unit of Bharati Vidyapeeth (Deemed to be University), was established in 1983 and has 11 departments and runs courses at B.Tech, M.Tech and Ph.D levels. Further, few programs being conducted here were accredited by National Board of Accreditation (NBA), New Delhi. The remarkable efforts put in at improving the quality of education has lead the institute to selection by MHRD under Technical Education Quality Improvement Program-II (TEQIP-II). Recently ranked 131st out of 200 under NIRF rating in 2022. The college is ranked by MHRD GO. Ranked among Top 50 Private Institutions of India by ATAL Ranking of Institutions on innovation Achievements (ARIIA) successively for two years. Ranked 1st in DATAQUEST T-School Employability Index Survey 2022 and 3rd in West I Region DATAQUEST T-School Survey 2022

**Founder Chancellor:**  
**Hon. Dr. Patangrao Kadam**  
Bharati Vidyapeeth Deemed University, Pune.

**Secretary:**  
**Hon. Dr. Vishwajeet Kadam**  
Bharati Vidyapeeth Deemed University, Pune BVDU, Pune.

**Program Chairman:**  
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BV(DU), COE, Pune

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## **ONE WEEK OFFLINE FACULTY DEVELOPMENT PROGRAMME ON**

**LARGE LANGUAGE MODEL: The next  
Frontier in AI**

**Duration: 23<sup>rd</sup> Sept to 28<sup>th</sup> Sept 2024**

**Sponsored by**

**AICTE Training and Learning (ATAL)  
Academy**

**Organized by**

Department of Information Technology  
Bharati Vidyapeeth (Deemed to be University)  
College of Engineering, Pune - Satara Road,  
Pune-411043  
<http://bvucoepune.edu.in>

SCHEDULE OF FDP 23<sup>rd</sup> Sept to 28<sup>th</sup> Sept 2024

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
9:00 – 9:30					
Inauguration					
9:30 – 12:00	9:30 – 12:00	9:30 – 12:00	9:30 – 12:00	09:00 – 1:00	9:30 – 12:00
<b>Session 1</b> Big Data Generation & Processing in AI  Mr. Vishal Naldurgkar, Scientist, NIC, Pune	<b>Session 3</b> Encoder Decoder- BERT, T5, PaLM  Mrs Pooja Bhaskar, Global-PM, Developer Advocacy Program, Bangalore	<b>Session 5</b> Generative Model- Text  Mr Mahesh Bhargav, Joint Director, Applied AI, CDAC, Pune	<b>Session 7</b> Reinforcement Learning from Human Feedback  Mr Venktesan N, Co-Founder, Proact AI Consulting, Tamilnadu	<b>Industrial Visit-</b> Tata Consultancy Services (TCS), Hinjewadi, Pune	<b>Session 10</b> Research Methodology Dr. Priyanka Paygude Associate Professor, BVDUCOE, Pune
12:00 – 1:00	12:00 – 1:00	12:00 – 1:00	12:00 – 1:00		12:00 – 1:00
Article Discussion	Article Discussion	Article Discussion	Article Discussion		Article Discussion
1:00 – 2:00	1:00 – 2:00	1:00 – 2:00	1:00 – 2:00	1:00 – 2:00	1:00 – 2:00
Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
2:00 – 4:30	2:00 – 4:30	2:00 – 4:30	2:00 – 4:30	2:00 – 4:30	2:00 – 4:00
<b>Session 2</b> Generative AI insights  Tushar Kute, Data Scientist , MITU Research	<b>Session 4</b> Environment building & Configuration for LLM  Dr Milind Gayakwad, BVDUCOE, Pune	<b>Session 6</b> Generative Model- Image Mrs. Anjali Mogre, Principal Consultant, Atos, Pune	<b>Session 8</b> Generative AI- Multimodal Data  Mr. Sachin Pawar, TCS	<b>Session 9</b> Hallucination & Fine Tuning  Sonali Patwe, Dev Lead, TATA Digital, Pune	MCQ & Reflection Journal
4:30 – 5:30	4:30 – 5:30	4:30 – 5:30	4:30 – 5:30	4:30 – 5:30	4:00 – 5:00
Hands on training /Labs	Hands on training /Labs	Hands on training /Labs	Hands on training /Labs	Hands on training /Labs	Valedictory Session

## About FDP



### Objectives of FDP:

The recent revolution in the field of ChatBot helps the interpretation of huge data and generates meaningful textual or multimodal outcomes. There is rapid advancement in technology, and Large Language Models (LLMs) have become a major focus in various fields.

The FDP aims to equip faculty members with the knowledge and skills necessary to know functioning of the Large Language Models in detail.

- Understand the fundamentals of the Large Language Model
- Apply the Algorithms on Pre-Trained models.
- Analyze the functioning of the various Environments necessary for Large Language Models.
- Create a model to accelerate the research work in Generative AI.

### Outcome of FDP

Faculty members will be able to configure the environment necessary for LLM. A pragmatic approach can be imparted to automate the Information retrieval and generation using trained models.

### Key areas of FDP:

- Large Language Models
- Generative AI
- Configuration of LLM
- Information Retrieval and generation from documents
- Multimodal Models
- Open Source LLM

### Who can attend?

The faculty members, postgraduate students, and Ph.D. research scholars of the AICTE-approved institutions are eligible to attend this FDP Programme.

### How to Register for FDP?

Eligible candidates must register through the following link below:

<https://www.aicte-india.org/atal> or  
<https://atalacademy.aicte-india.org/signup>

### No Registration Fee

### Confirmation of Participation and Certificates:

Upon registration, confirmation will be sent to the selected participants through email.

The number of participants for this program is limited to 30 only.

The detailed schedule will be shared only to the confirmed participants through email and WhatsApp.

Certificate will be provided by the ATAL academy to those who have attendance of more than 80%, filled daily feedback form, and completed the assessment test with a score more than 60% at the end of the program.

## Department of Information Technology

**Vision:** To be a Premier Source of Competitive IT Professional

### Mission:

1. Amplify the student's technical skills by conducting continuing education programs, organizing and participating in various technical events.
2. Provide comprehensive support in synchronization with industry to achieve professional and technological excellence.
3. Provide an environment for effective social and ethical skills.

The Department of Information Technology was established in 2000-2001. The Department is constantly adopting new technologies which experience frequent changes in the IT world. The department has signed MOUs with various organizations to provide real time training to the students. The department offers two programmes viz. Undergraduate Programme :-Bachelor of Technology in Information Technology (B.Tech IT) with 120 intake and Postgraduate Programme:- Master of Technology in Information Technology (M.Tech IT) with 06 intake.

Department has well equipped laboratories and upgraded curriculum which is developed by academicians and industry experts with very close link to the industry.

Every year more than 50 companies approach to impart in-plant training to the students. The Companies include Medium/Small Scale, Large Scale companies & Government Organisations. Some of the companies are TCS, HCL, Zensar, HCL Infosystems, DRDO, etc.