



**PANIPAT INSTITUTE OF  
ENGINEERING & TECHNOLOGY**

(Approved by AICTE, New Delhi & Affiliated to Kurukshetra University, Kurukshetra)

# **MASTER OF COMPUTER APPLICATIONS**

## ***NEWSLETTER***

***January - June 2024***

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# **Master of Computer Applications**

## **Vision of the Department**

To be recognized as a centre of excellence for academic repute to create competent, ethical, and responsible Computer Applications professionals with the abilities to contribute globally to the industry, environment and the society at large.

## **Mission of the Department**

- M1:** Equip students with knowledge and practical skills in computer applications in line with the needs of the industry.
- M2:** Foster research and innovation capabilities, imbibe ethics and values, and instill leadership in students to support sustainable development.
- M3:** To develop students with an analytical mindset and the competence to solve real-life problems.
- M4:** Facilitate linkages with industry and professional bodies, provide experiential learning opportunities, and develop responsible students with abilities to learn and work independently.

# **Master of Computer Applications**

## **Program Educational Objectives (PEOs)**

**PEO1:** Demonstrate analytical abilities, design skills, multidisciplinary competence, critical thinking, and the ability to foster innovations.

**PEO2:** Demonstrate leadership and supportive roles in the dynamic work environment with ethical behavior and responsibility in their professions.

**PEO3:** To excel in careers in the diverse domains of computer applications, higher education, and entrepreneurship.

**PEO4:** Adapt to evolving technologies with the ability to learn independently.

**Panipat Institute of Engineering and Technology**  
**Master of Computer Applications**  
**FDP on Power BI**  
**( 12<sup>th</sup> February – 16<sup>th</sup> February 2024)**

Power BI is a business analytics service provided by Microsoft. It provides interactive visualizations with self-service business intelligence capabilities, where end users can create reports and dashboards by themselves, without having to depend on any information technology staff or database administrator. Power BI course shares knowledge on how it provides cloud-based BI services - known as Power BI Services, along with a desktop-based interface called Power BI Desktop. It offers Data modeling capabilities including data preparation, data discovery, and interactive.

When a Power BI user adds a prediction to a line chart, it's possible to run and analyze different "what-if" scenarios on the data, like potential growth markets or financial outcomes. This tool can automatically detect season ability when it offers forecasting results. This means it can apply statistical algorithms to estimate probable solutions based on past data, and then transform them into data visualizations.

Understanding the importance of Power Bi in Data driven Decision Making , the Master of Computer Applications scheduled FDP on Power BI starting from 12<sup>th</sup> February – 16<sup>th</sup> February 2024.

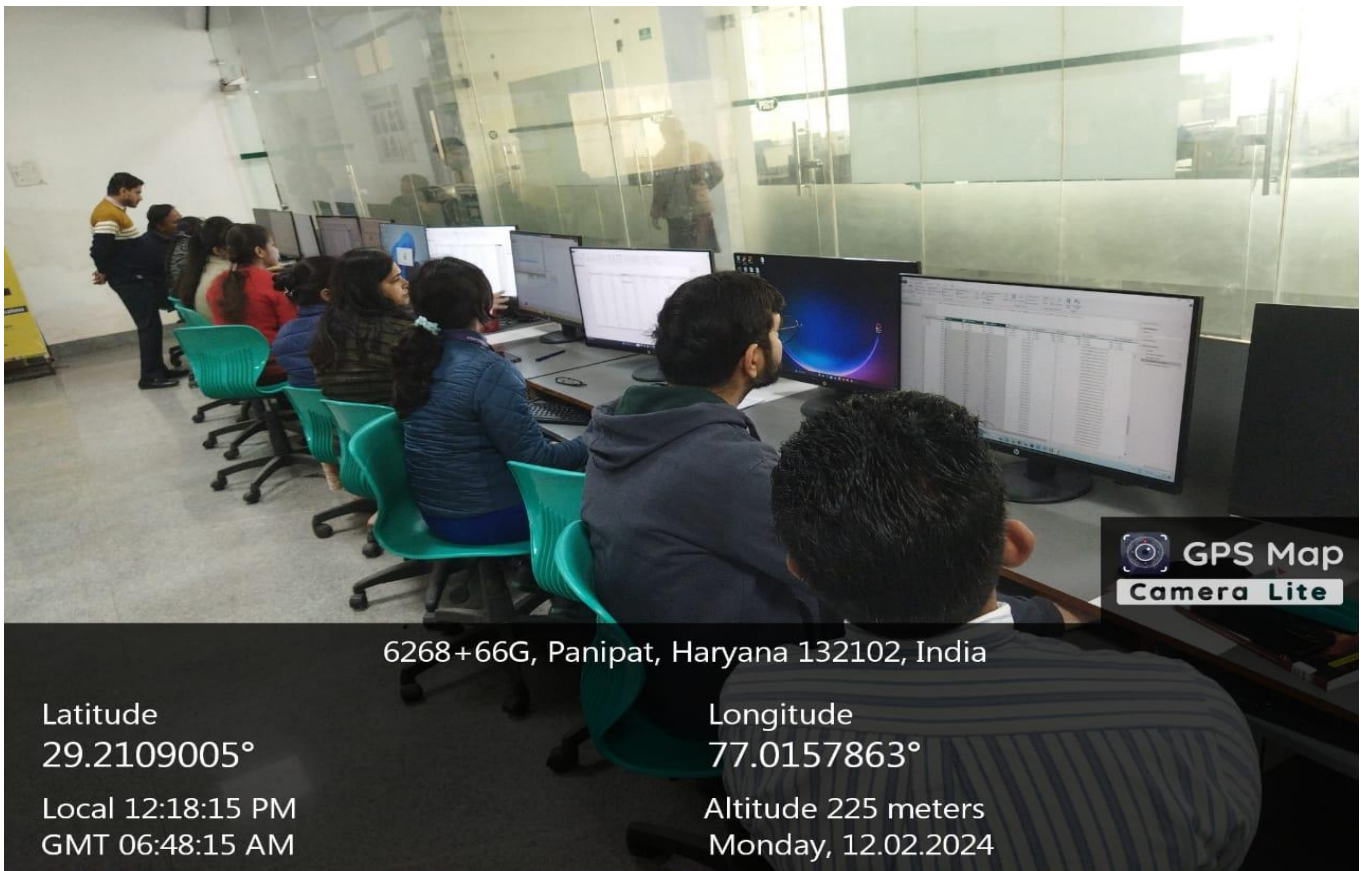
Key points of the course are:

- Power BI Desktop
- Architecture
- Data Transformation
- DAX
- Power BI Service
- Data Visualization
- Power BI Report Servers
- Advanced Analytics
- Mobile Apps
- Power BI Reports
- Connectivity Modes

**Schedule of FDP**

<b>Day</b>	<b>Morning Session</b>	<b>Evening Session</b>
Monday	Introduction to Power BI – Need, Importance, Power BI – Advantages and Scalable Options	History – Power View, Power Query, Power Pivot, Power BI Data Source Library and DW Files
Tuesday	Business Analyst Tools, MS Cloud Tools	Power BI Installation and Cloud Account,
Wednesday	Power BI Cloud and Power BI Service	Power BI Architecture and Data Access
Thursday	Sample Reports and Visualization Controls	Understanding Desktop & Mobile Editions
Saturday	Report Rendering Options and End User Access	Test/Assessment

## Glimpses of FDP



**Panipat Institute of Engineering and Technology**  
**Master of Computer Applications**  
**Workshop on AWS CLOUD LAB**  
**(Hands on Exploration and Implementation)**  
**( 5<sup>th</sup>,6<sup>th</sup> ,23<sup>th</sup> ,24<sup>th</sup>& 26<sup>th</sup> March)**

## Report

PARTICIPANTS : BCA-Gen/BCA-CTIS, B.tech - CSE/IT

TOTAL STRENGTH: 52

TRAINER : Mr. Neeraj Kumar

AWS is projected to broaden its array of services, catering to the evolving demands of its clientele. This may encompass progressions in domains like machine learning, artificial intelligence, Internet of Things (IoT), edge computing, and serverless computing. Hybrid Cloud Solutions: Anticipating a surge in hybrid cloud adoption among enterprises, AWS is likely to channel resources into developing tools and services that streamline the integration of on-premises infrastructure with its cloud platform. Enhanced Security and Compliance: With a heightened emphasis on data security and regulatory compliance, AWS will persist in fortifying its security capabilities and obtaining certifications to assure customers of data safety and adherence to pertinent regulations. Emphasis on Edge Computing: As the demand for low-latency applications escalates, AWS is poised to invest in edge computing solutions, aiming to bring computing resources closer to end-users for heightened performance across applications such as IoT, gaming, and real-time analytics. Advancements in AI and ML: AWS will persist in its investment in AI and machine learning services, empowering businesses to harness these technologies for tasks including predictive analytics, natural language processing, and computer vision. Keeping in view the surge of the Emerging Technology, the Master of Computer Applications has scheduled courses on Saturday from 9:00A.M. – 12:00 noon and 1:00 PM - 4 P.M .

Key points of the course are:-

- This course provides a broad introduction to Cloud Computing, Amazon EC2 ,Auto Scaling, AWS Lambda (serverless computing),Migrate a server, LightSail, Amazon EBS .
- Topics include: (i) Overview of AWS (ii) Compute Services (iii) Storage Services: (iv) Networking in AWS(v) Security in AWS (vi) Amazon RDS (vii) Monitoring and Logging:
- The course will also draw from numerous case studies and applications so that you'll also learn how to apply learning algorithms to building smart robots (perception, control), text understanding (web search, anti-spam), computer vision, medical informatics, audio, database mining, and other areas.

The outcomes of this workshop are:

- Understand the components of a AWS Cloud Computing.
- AWS cloud computing enables businesses to scale their infrastructure up or down according to demand, fostering agility and cost-efficiency.
- Companies can leverage advanced technologies such as AI, machine learning, IoT, and big data analytics to develop innovative products and services.
- AWS cloud computing can lead to significant cost savings compared to traditional on-premises infrastructure.
- Familiarity with Python installation, syntax and design

### Glimpses of the Workshop







 **GPS Map**  
**Camera Lite**

6268+F79, Haryana 132102, India

Latitude  
29.2112169°

Longitude  
77.0158994°

Local 10:02:52 AM  
GMT 04:32:52 AM

Altitude 226 meters  
Tuesday, 05.03.2024

**Master of Computer Applications  
Organized**

**Lamhein-2K24**

**A Farewell Party to Batch 2024**

On 24<sup>th</sup> April, 2024 the students of BCA, BCA CTIS and MCA, arranged a farewell party with title “Lamhein2k24” to the final year ongoing students. Farewell is basically a get together kind of celebration for the senior students who will soon move to their future endeavours. Function began with the floral welcome of dignitaries of the Institute by staff and students. Lamp Lightning Ceremony was done by Sh. HariOmTayal (Chairman, PIET), Sh. Suresh Tayal (Member Secretary, PIET), Prof.(Dr.) J.S SAINI (Director, PIET), Dr. DineshVerma (HoD,MCA) along with Heads of various Departments, and Prof.(Dr.) Manoj Arora (Registrar, PIET).

Dr.DineshVerma addressed the students and congratulated 228 students of different courses such as BCA,BCA CTIS and MCA students of final year for starting new chapter of their life. Sh.RakeshTayal (Vice Chairman, PIET) addressed the students and congratulated all the 2024 batch passing students for successfully completing their degree.Also showed them the path to be the Technocrats of the PIET.

Sh.SureshTayal Sir (Member Secretary, PIET) showered his blessings on the students and gave them real life lesson that can help them in their professional life.

Sh.HariOmTayal Sir (Chairman, PIET) also greeted and showered his blessings on the students and ask them to stay connected with the institute so that students can help their juniors in the career and degree aspects.

Students of BCA, BCA CTIS & MCA presented very entertaining group dance, solo dance, guitar performances and solo song performances.

Students of 2024 batch also participated in “Ramp Walk” Competition which was judged by Ms.Mandeep Kaur and Ms. Divya.

Different tags were awarded to the students.

**For BCA Students**

Mr.Personality & Ms.Personality was won by Mr.Abhay and Ms. Shivani

Mr.Eve & Ms.Eve was won by Mr.Akansh and Ms.Sahajpreet

And finally Ms.Ridhi Jain was crowned by the title of Ms.Farewell and

Mr.Sumkit Jain was awarded with the title of Mr. Farewell.

**For BCA CTIS Students**

Mr.Personality & Ms.Personality was won by Mr. Harshit and Ms. Suhani

Mr.Eve & Ms.Eve was won by Mr. Lakshay and Ms. Nisha Jain

And finally Ms. Nidhi was crowned by the title of Ms. Farewell and Mr. Vinit Dawar was awarded with the title of Mr. Farewell.

### **For MCA Students**

Mr. Personality & Ms. Personality was won by Mr. Akash and Ms. Poornima

Mr. Eve & Ms. Eve was won by Mr. Mayank and Ms. Kirti

And finally Ms. Vanshika was crowned by the title of Ms. Farewell and Mr. Sanyam was awarded with the title of Mr. Farewell.

Token of love was presented by students of MCA to the faculty of Master of Computer Applications department.

Function was ended by a vote of thanks by Head of Department Dr. Dinesh Verma.



## **Ethno Fest 2k24-Celebration of Diverse Culture**

The Master of Computer Applications celebrated Ethnic Day, a joyful occasion honoring variety, on May 10, 2024. Students and faculty united on a day full of colors, cultures, and unity to celebrate the diversity of their history. The department was changed into a rainbow of ethnicities, creating a lively atmosphere. Every space was decked out with customs that symbolized many ethnic groups; from vibrant curtains to elaborate paintings, the atmosphere sent a message of welcome and inclusivity.

The variety of cultural performances that enthralled the crowd was the event's high point. Pupils performed plays, songs, and traditional dances from around the globe with passion. Folk music filled the hall with its rhythmic pulses, making everyone feel proud of their heritage. Students enthusiastically embraced the day's customary clothing dress requirement. The corridors were a sight to behold, with a colorful parade of saris, kimonos, dashikis, and other traditional garments from around the globe - each outfit a testament to the beauty and diversity of cultural attire.

Throughout the day, students had the opportunity to participate in various cultural activities promoting dialogue and exchange. They engaged in discussions about the importance of diversity and the value of understanding different perspectives. This fostered a sense of belonging and unity within the department, transcending barriers of language, religion, and nationality. As the day drew to a close, there was a sense of friendship and fulfillment among everyone present. The Ethnic Day celebration had not only been a showcase of cultural heritage but also a justification of the department's commitment to a welcoming and inclusive environment that encourages acceptance and celebrates the beauty of cultural differences.

**WINNERS WERE :**

SINGING : ISHIKA BCA CTIS 2B - 1ST POSITION

**DANCING :**

MUSKAN BCA - SOLO

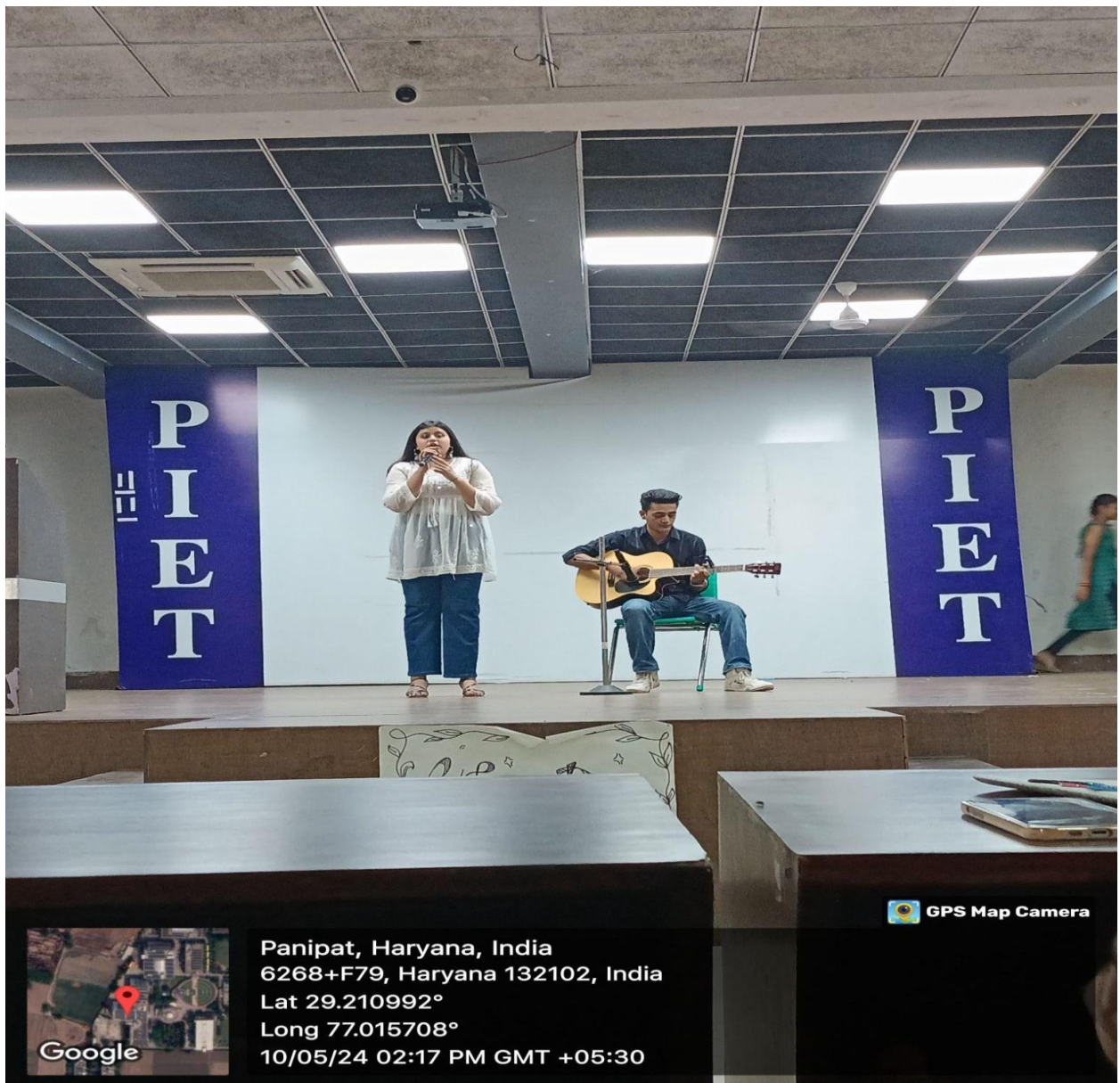
LIZZA AND KASHISH - DUET

JIYA , ANJALI AND DRISTI - GROUP DANCE





Panipat, Haryana, India  
6268+F79, Haryana 132102, India  
Lat 29.21096°  
Long 77.015702°  
10/05/24 02:28 PM GMT +05:30



Panipat, Haryana, India  
6268+F79, Haryana 132102, India  
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Long 77.015708°  
10/05/24 02:17 PM GMT +05:30