ATAL FDP REPORT

ON

DATA DRIVEN STRATEGIC PLANNING & DECISION – MAKING

24 – 29 NOVEMBER 2025

AICTE TRAINING AND LEARNING ACADEMY

APPLICATION NO : 1742294678/AICTE/ATAL/2025-26

NAME OF THE COORDINATOR: DR. ARPAN SHRIVASTAVA

NAME OF THE CO-COORDINATOR: DR. VINOD KUMAR MISHRA

ORGANIZED BY: IPS ACADEMY, INDORE (M.P.)

Affiliated to Devi Ahilya Vishwavidhyalaya, Indore (M.P)

AICTE-ATAL FDP on Data Driven

Strategic Planning and Decision Making

(24-29 November)

Organized by IPS Academy, Indore

Index

All India Council for Technical Education

(Statutory body under Ministry of Education, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi 110 070
Website link: https://www.aicte-india.org/atal

Training and Learning Bureau
Revised Sanction Letter

F. No. 1742294678/AICTE /ATAL/2025-26 **Dated: 05/12/2025**

To

The Drawing and Disbursing Officer,
All India Council for Technical Education
Nelson Mandela Marg, Vasant Kunj,
New Delhi-110070

Sub: Release of a sum of **Rs. 2,50,000/ (Rupee Two Lakh Fifty Thousand only)** being the **first instalment of the Grant-in-Aid** under **AICTE Training and Learning (ATAL) Academy Programme** for the Academic year 2025-26 - reg.

Sir/Madam,

In supersession of Sanction Letter of even number dated 25.09.2025, the sanction of the Competent Authority of the Council is hereby conveyed for payment of **Rs. 3,50,000/- (Rupees Three Lakhs Fifty Thousand Only)** as Grant- In -Aid for conducting of Face to Face **ATAL Basic Faculty Development Programme** under AICTE Training and Learning (ATAL) Academy Programme and to make payment of Rs.2,50,000/- (Rupee two Lakh Fifty Thousand only) as first instalment of Grant-in-Aid as per details given below:

1	Name of the Beneficiary Institute (University/College/Institute)	**IPS ACADEMY INDORE**
2	Address	**KNOWLEDGE VILLAGE, RAJENDRA NAGAR, A.B. ROAD, INDORE - 452012**
3	Name of the Coordinator	**Dr.Arpan Shrivastav**
4	Permanent ID of Institute	**1-44290483403**
5	Title	**Data-Driven Strategic Planning & Decision-Making**
6	Dates of FDP	**11/24/2025 to 11/29/2025**
7	FDP Type	**ATAL BASIC FDP**
8	Total Amount Sanctioned	**Rs. 3,50,000/-**
9	Amount to be released as 1st Instalment	**Rs. 2,50,000/-**
10	Amount to be released as 2nd Instalment (Case to case basis upon submission of Statement of Expenditure)	**Rs.1,00,000/- (Cap Limit)**

The instructions/guidelines to be followed by University/Institution

I. Release of funds

a. The maximum cost for conducting per programme will be of **Rs. 3,50,000/-** as per detail given as under:

Sr. No.	Particulars	Sanctioned amount for 2025-26 for ATAL Basic FDPs
1.	Honorarium to Co-ordinator	Rs. 8,000/-
2.	Honorarium to Co-Co-ordinator	Rs. 5,000/-
3.	Honorarium for computer operators/lab-Technicians	Rs. 5,000/- (in total)
4.	Honorarium for experts (Rs. 7000/- per session)	Rs. 70,000/- (10 sessions)
5.	TA to External experts engaging sessions (reimbursement in actual against original bills)	Rs. 1,00,000/-
6.	Refreshment & Lunch	Rs. 60,000/-
7.	Consumable items, inauguration and valedictory functions, and Miscellaneous Charges etc.	Rs. 22000/-
8.	TA to Participants (Only for external participants)	Rs. 60,000/- per External Participant, lamp sum Rs. 1200/- payable only for those with >=90% attendance and travelling beyond 20 KM one side)
9.	Industrial Visit (Travel expense and visit charges, if any)	Rs. 20,000/-
	TOTAL	**Rs. 3,50,000/-**

(b) The grant is subject to the adjustment on the basis of Utilisation Certificate in the prescribed proforma to be submitted by the University/College/Institution. Further, the accounts of the institute will be open for test check by the Council or Controller & Auditor General of India or any other officer designated by them.

(c) The amount of the Grant-in-Aid bill shall be disbursed and credited to the account of **IPS ACADEMY INDORE** through **RTGS**.

(d) This Grant-in-Aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated vide the scheme document.

(e) The sanctioned grant-in-aid is debitable to the AICTE Training and Learning (ATAL) Academy Programme and is valid for payment during the **financial year 2025-26**only.

(f) Funds once released for organising the approved topic/area of FDP cannot be utilised for any other programme.

(g) In case the event is cancelled/not conducted/could not conduct due to lack of required participants on the first day first session, the Grant- In-Aid shall be **refunded to AICTE within 07 days.**

(h) In case it is revealed that any vigilance case/ grievance is pending against the institute or punitive action has been initiated against the institute for violation of AICTE norms, the Grant-In-Aid released to the institute will be liable to be refunded along **with interest @ of 10% per annum**.

2. Maintenance of Account by the Institute/University

(a) The University/College/ Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilised only on approved items of expenditure as given above.

(b) Funds covered by this grant shall be kept separately and would not be mixed up with other funds, so as to know the amount of interest accrued on the grant from AICTE.

(c) The Council or its nominee shall have the right to check/ verify the account to satisfy that the fund has been utilised for the purpose for which it was sanctioned.

(d) The Institute shall send a confirmation to AICTE within 15 days of receipt of grant on the receipt of the same.

(e) All mandatory documents **in original in hardcopy** be submitted to The Director, Training & Learning Bureau, All India Council for Technical Education, Nelson Mandela Marg, Vasant Kunj, New Delhi -110070 within **fifteen days of completion** of the FDP

II. Distribution of funds to institutions,

Amount of the grant sanctioned will be released in two instalments; first as advance of Rs.2,50,000/- and then as reimbursement against the utilization Certificate and Statement of Expenditure, limited to Rs.1,00,000/- to the University/Institute through electronic transfer in the account of the University/Institute after submission of mandate form.

Institute Bank Account Details

Institute PAN No.	Bank Name	Bank Branch	Bank Branch Address	Account Holder Name	Account type	Account number	IFSC Code
AAHCI1820L	ICICI BANK LTD.	ICICI BANK LTD., Branch Code-0041	4, Chhoti Khajrani, Malav Parisar, Indore - 452008	IPS ACADEMY	Current	004105021423	ICIC0000041

III. Refund of Grant by way of a Demand Draft in favour of Member Secretary, AICTE, New Delhi

The unutilized Grant-in-Aid should be refunded to the Council **within fifteen days** of conduct of the FDP. If the university/institute does not conduct FDP on the prescribed dates, or fails to follow directions in regard to conduct of FDPs as laid out in the scheme document the entire amount will be liable to be refunded within 07 days. The amount has to be refunded to AICTE through RTGS as per details given below:

Account Number	55113200222
Name of the Account Holder	Member Secretary, AICTE, New Delhi
Bank Name	State Bank of India
Branch Name	Shastri Bhawan, New Delhi
IFSC Code	SBIN0050203

IV Submission of documents by University / Institution

(a) The following mandatory relevant documents are required to be submitted by the University / institution in original in hardcopy within fifteen days of the completion of the programme.

(i) Utilization Certificate (UC) as per Annexure –I of Scheme Guidelines

(ii) Statement of Expenditure (SoE) as per Annexure-II of Scheme Guidelines

(iii) Original bills

(iv) FDP Report duly acknowledged and signed by Coordinator and HoI

(b) Documents required to be uploaded in soft/scanned format in the ATAL Portal.

(i) List of participants who have successfully completed the FDP on the basis of the continuous, comprehensive assessments (in EXCEL Format).

(ii) FDP Report including photographs, YouTube links and Media report (News/Media/Magazine cuttings/clippings)

(iii) Utilization Certificate & Statement of Expenditure as per Annexure I &II

(iv). Assessment questionnaire and Results of assessment (EXCEL format)

V General Instructions

(a) Maximum 50 and minimum 30 minimum number of participants relaxed to 20 for North Eastern states Jammu, Kashmir, Ladakh and Andaman & Nicobar Islands).

(b) A test has to be conducted on the last day accordingly. Scheme document 2025-26 and those who score more that 70% will be termed as successful candidates. Those who have attendance 80% or more and also score more that 70% in the test will be issued a digital certificate.

(c) Eligibility for institutions and participants are as laid out in the scheme guidelines

(d) No fees shall be charged from any participant for attending ATAL FDP.

(e) The institute should bear the expense incurred in addition to the fund granted by AICTE from their own resources.

(f) Terms and conditions laid out in the Scheme Guideline for ATAL FDPS 2025-26 will be final and binding.

This Sanction Letter may be treated as Offer Letter for all purposes.

Yours Sincerely,

05.12.2025

Dr. Sunil Luthra,
Director,
Training and Learning Bureau, AICTE

Copy forwarded for information and necessary action to: -

1. **Dr.Arpan Shrivastav, Email: arpanshrivastava@ipsacademy.org**
2. **Dr Vinod Kumar Mishra, Email: vinodmishra@ipsacademy.org**
3. **Dr. V S Kushwaha, hod.ibmr@ipsacademy.org**
4. **Guard File**

AICTE Training and Learning Academy
(ATAL)
Sponsored (offline)

One Week Faculty Development Programme on

DATA-DRIVEN STRATEGIC PLANNING & DECISION-MAKING

24-29 November 2025

About IPS Academy

IPS Academy stands as a leading institution in Central India, renowned for its commitment to holistic education and academic excellence. The Academy emphasizes the all-round development of students, nurturing their intellectual, physical, and moral growth while instilling strong cultural and national values. This approach ensures that students are prepared to meet global challenges with a balanced mindset. Our courses are meticulously designed in collaboration with industry experts, integrating theoretical knowledge with hands-on practical experience. This blend not only equips students with the skills needed to thrive in a competitive global environment but also ensures they are adaptable to the dynamic demands of industry and business. At IPS Academy, we prioritize the multifaceted development of our students, fostering their innate talents and capabilities while cultivating a sense of responsibility towards society. Our continuous training programs emphasize communication, leadership, and entrepreneurial skills, preparing students for both quality job placements and entrepreneurial ventures.

Programme Overview

In today's digital era, organizations and institutions must leverage data analytics to make informed strategic decisions. Data-driven decision-making (DDDM) integrates empirical insights with business intelligence to enhance efficiency, reduce risks, and drive sustainable growth. This Faculty Development Programme (FDP) aims to equip participants with practical skills and theoretical knowledge essential for implementing data-driven strategies in academia and business environments.

Programme Structure

The FDP will be a one-week intensive programme incorporating expert lectures, hands-on workshops, and case-based learning. The key modules include:

Module 1: Fundamentals of Data-Driven Strategy
- Introduction to Data Analytics and Business Intelligence
- Key Metrics for Strategic Decision-Making
- Data Sources: Structured vs. Unstructured Data

Module 2: Tools & Techniques for Data Analysis
- Basics of Statistical Analysis
- Introduction to Data Visualization (Tableau, Power BI)
- Predictive Analytics and Forecasting Models

Module 3: Applications in Strategic Decision-Making
- Market Research and Competitive Analysis using Data
- Customer Insights & Behavioral Analytics
- Risk Assessment and Financial Forecasting

Module 4: Data-Driven Decision-Making in Academia
- Institutional Planning and Policy Formulation
- Student Performance Analytics and Curriculum Development
- Research Impact Measurement

Module 5: Case Studies & Industry Applications
- Successful Data-Driven Business Strategies
- Digital Transformation in Organizations
- Ethical Considerations & Data Governance

Programme Objectives

- To introduce faculty members to the fundamentals of data-driven strategic planning.
- To explore the role of data analytics in decision-making across industries.
- To enable participants to interpret and utilize data for informed business and academic strategies.
- To provide hands-on experience with data visualization, predictive analytics, and strategic modeling.
- To enhance critical thinking and problem-solving skills using real-world case studies.

Information for the Participants

- No registration fee for the participants.
- The FDP is open to Associate Professors, Assistant Professors, Ph.D. scholars & PG students.
- Registration will be done on https://atalacademy.aicteindia.org/login Once the registration is confirmed, the participants will be informed through mail. Max. 50 participants will be invited to participate in FDP and the selection will be on a first come first serve basis.
- FDP will be conducted in physical mode: At least 1-2 industrial visits/visit to nearby Institute of National Importance/ IoE/prominent multidisciplinary university/CSIR or DST labs/Training Institute/Incubation centres/MSME centres/ Studios/Smart classroom facilities, etc.

Learning Outcomes

By the end of the FDP, participants will be able to:

- Understand the significance of data in strategic planning.
- Utilize analytical tools to interpret and present data effectively.
- Develop data-driven insights for academic and business decision-making.
- Integrate data analytics into teaching, research, and institutional planning.

Resource Person

Dr. Vinay Goyal , Professor, SP Jain Institute of Management & Research, Mumbai.
Dr. Vandit Hedau, Associate Professor, School of Data Science, DAVV, Indore
Dr. Prateek Sharma, Dean Global Studies, PIMR, Indore
Mr. Lokesh Shetty, Vice President (Bigdata Operations) at JPMorgan Chase & Co. **Bengaluru**
Ms. Ankita Shrivastava, Engineering Manager, TataCliq, Mumbai
Mr. Mustafa Asif, Sr. Risk Analyst, |OSBIndia Private limited Bengaluru

Mode of Delivery

Offline (In-person sessions at IPS Academy, Indore)
Hands-on workshops with live demonstrations
Industrial/Institutional Visit to understand real-world applications

Registration & Participation

No registration fee for faculty members.
Limited to 50 participants, on a first-come-first-serve basis.
Certification upon successful completion.

Programme Convener

Dr. Vivek Singh Kushwaha
Director & Professor
IPS Academy, Indore (M.P.)

Programme Coordinator

Dr. Arpan Shrivastava
Associate Professor
IPS Academy, Indore (M.P.)

Programme Co-coordinator

Dr. Vinod Kumar Mishra
Associate Professor
IPS Academy, Indore (M.P.)

Schedule of ATAL
BASIC OFFLINE FDP

FDP Application Number: 1742294678
Title of the FDP: Data-Driven Strategic Planning & Decision-Making
FDP Start Date : 24 November 2025 **FDP End Date:** 29 Nov 2025

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
9:00 – 9:30 **Inauguration**					
9:30 – 12:00 **Session 1** 1. **Name of the Expert :** Dr. *Vandit Hedaoo.* **Designation :** Associate Professor 2. **Organization:** *School of Data Science Devi Ahilya Vishwa Vidhyalaya, Indore* 3. **Experience in Years:** *19* 4. **Topic to be taught:** *Introduction to Data Analytics and Business Intelligence*	**9:30 – 12:00** **Session 3** 1. **Name of the Expert :** *Dr. Vinay Goyal.* 2. **Designation :** *Professor* **3. Organization:** *SPJIMR* 4. **Experience in Years:** *28* 5. **Topic to be taught:** *Tools & Techniques for Data Analysis*	**9:30 – 12:00** **Session 5** 1. **Name of the Expert :** *Dr. Prateek Sharma* 2. **Designation** : *Dean, Global Studies* 3. **Organization:** *PIMR, Indore* 4. **Experience in Years:** *28 years* 5. **Topic to be taught:** *Applications in Strategic Decision-Making*	**9:30 – 12:00** **Session 7** 1. **Name of the Expert :** *Dr. Arpan Shrivastava* 2. **Designation :** *Associate Professor* 3. **Organization:** *IPS Academy, Indore* 4. **Experience in Years:** *18 years* 5. **Topic to be taught:** Data-Driven Decision-Making in Academia and Institutional Planning	**9:00 – 1:00** **Industrial visit** **1. Name of the Organization:** *Tata Consultancy Services* **2. Complete address with pincode :** *Unit 1 SEZ, Super Corridor Road, Tigaria Badshah, Indore 452003* **Industry Type:** *ITES* 3. **Area of specification:** Hands-on experience with Data Visualization	**9:30 – 12:00** **Session 10** 1. **Name of the Expert :** *Dr. Vandit Hedao.* 2. **Designation:** Associate Professor 3. **Organization:** *School of Data Science Devi Ahilya Vishwa Vidhyalaya, Indore* 4. **Experience in Years:** *19* 5. **Topic to be taught:** *Digital Transformation in Organizations Ethical Considerations & Data Governance*
12:00 – 1:00 **Article Discussion** **1. Title of the Research Paper:** *Data-Driven strategic planning of building Energy Retrofitting: The case of Stockholm* **2. Name of the journal:** *Journal of Cleaner Production* **3. Year of Publication:** *2019*	**12:00 – 1:00** **Article Discussion** **1.Title of the Research Paper :** *Predictive Analytics with Data* Visualization **2. Name of the journal:** *Research Square* **3. Year of Publication:** *2022*	**12:00 – 1:00** **Article Discussion** **1.Title of the Research Paper :** *Predictive Analytics for Customer Behaviour Prediction in Artificial Intelligence* **2. Name of the journal:** *Economics World* **3. Year of Publication:** *2025*	**12:00 – 1:00** **Article Discussion** **1.Title of the Research Paper :** *Data Driven Decision Making in Higher Education Institutions: State of Play* **2. Name of the journal:** *International Journal of Advanced Computer Science and Applications* **3. Year of Publication:** *2023*		**12:00 – 1:00** **Article Summary**
1:00 – 2:00 **Lunch**	**1:00 – 2:00** **Lunch**	**1:00 – 2:00** **Lunch**	**1:00 – 2:00** **Lunch**	**1:00 – 2:00** **Lunch**	**1:00 – 2:00** **Lunch**
2:00 – 4:30 **Session 2** 1. **Name of the Expert :** *Mr. Mustafa Asif.* 2. **Designation :** *Sr. Risk Analyst* 3. **Organization:** *OSB India Pvt. Ltd, Bengaluru* 4. **Experience in Years:** *6 Years* 5. **Topic to be taught**: Key Matrices for Strategic decision-making and Data Sources	**2:00 – 4:30** **Session 4** 1. **Name of the Expert :** *Mr. Lokesh Shetty.* 2. **Designation :** *Vice President* 3. **Organization:** *JP Morgan Chase & Co, Bengaluru* 4. **Experience in Years:** *21* 5. **Topic to be taught:** Data visualization and Predictive Analytics	**2:00 – 4:30** **Session 6** 1. **Name of the Expert :** Ms. *Palak Nemani* 2. **Designation :** *Sr. Analyst* 3. **Organization:** *Accenture, Zurich, Switzerland* 4. **Experience in Years:** *13 years* 5. **Topic to be taught**: *Customer Insights & Behavioral Analytics Risk Assessment and Financial Forecasting*	**2:00 – 4:30** **Session 8** 1. **Name of the Expert :** *Dr. Prateek Maheshwari* 2. **Designation :** *Assistant Professor* 3. **Organization:** *Indian Institute of Foreign Trade. Ahmedabad* 4. **Experience in Years:** *16 years* 5. **Topic to be taught:** Student Performance Analytics and Curriculum Development. Research Impact Measurement	**2:00 – 4:30** **Session 9** 1. **Name of the Expert :** *Dr. Vinod Kumar Mishra* **2. Designation :** *Associate Professor* **3. Organization:** *IPS Academy* 4. **Experience in Years:***32 years* 5. **Topic to be taught:** *Successful Data-Driven Business Strategies*	**2:00 – 4:00** **MCQ & Reflection Journal**
4:30 – 5:30 **Hands on training /Labs**	**4:30 – 5:30** **Hands on training /Labs**	**4:30 – 5:30** **Hands on training /Labs**	**4:30 – 5:30** **Hands on training /Labs**	**4:30 – 5:30** **Hands on training /Labs**	**4:00 – 5:00** **Valedictory Session**

ABOUT

THE FACULTY DEVELOPMENT (FDP)

ABOUT THE FACULTY DEVELOPMENT PROGRAMME (FDP)

AICTE–ATAL Sponsored One-Week Offline Faculty Development Programme on "Data-Driven Strategic Planning and Decision-Making"

Duration: 24th – 29th November 2025 | Venue: IPS Academy Campus, Indore (M.P.)

In an age defined by digital innovation, rapid automation, and an unprecedented explosion of data, the global economy is undergoing a significant transformation. Every sector ranging from business, education, finance, and healthcare to governance and public policy is increasingly dependent on the ability to collect, interpret, and utilize data meaningfully. Decision-making today is no longer anchored solely in intuition or experience; it is strengthened by evidence, analytics, and strategic intelligence derived from vast and complex datasets. In response to these evolving demands, the AICTE–ATAL Academy, in collaboration with IPS Academy, Indore, organized a One-Week Faculty Development Programme (FDP) on "Data-Driven Strategic Planning and Decision-Making" from 24th to 29th November 2025, in which 53 participants across the country participated at the IPS Academy campus.

The goal of this FDP was to equip faculty members, research scholars, and postgraduate learners with both the theoretical foundations and practical tools essential for navigating a world increasingly shaped by data-driven systems. As organizations rely more heavily on data to forecast trends, design strategies, improve productivity, and enhance the quality of decisions, it becomes imperative for educators and professionals to stay updated with the latest analytical techniques and technological advancements. This FDP was designed to bridge this gap by offering a comprehensive, immersive, and application-oriented learning experience supported by expert resource persons from premier academic institutions, multinational corporations, and emerging technology sectors.

FDP Context and Relevance in the Digital Era

The global landscape is witnessing the integration of technologies such as artificial intelligence, big data analytics, machine learning, and cloud computing into daily business and academic operations. These innovations have reshaped the very nature of work, commerce, education, and governance. However, while data is abundantly available, it often remains underutilized

due to limited analytical skills, lack of strategic frameworks, and inadequate institutional readiness.

This FDP addressed these challenges by focusing on the methodologies, tools, and practices that allow professionals to make informed decisions grounded in quantitative insights. Participants were introduced to the evolving nature of data from structured databases to unstructured digital footprints and the advanced analytical frameworks that convert raw information into actionable intelligence.

In academia, the application of data analytics extends to areas such as student performance tracking, curriculum enhancement, research quality assessment, institutional benchmarking, and strategic planning. For businesses, it enhances forecasting, market research, consumer analytics, operational optimization, supply chain management, and financial risk assessment. Thus, this FDP served as a foundation for participants to understand how data is revolutionizing both the academic and corporate ecosystems.

The FDP commenced on 24th November 2025 with a formal Inaugural Session attended by dignitaries, faculty members, invited participants, and resource persons. The event began with a ceremonial lamp lighting to symbolize the dissemination of knowledge and wisdom. Dr. Vivek Singh Kushwaha, Director and Professor at IPS Academy, welcomed the participants and emphasized the importance of data literacy in contemporary academic and professional arenas. He highlighted how educational institutions must adopt a forward-looking approach to remain relevant and competitive in an era dominated by constantly evolving technologies. Dr. Arpan Shrivastava, Programme Coordinator, provided an overview of the programme structure, learning goals, and the multidisciplinary nature of the sessions planned for the week.

Interdisciplinary Contributions from Distinguished Speakers

A distinguishing hallmark of this FDP was the diverse pool of expert speakers, each bringing insights from different sectors such as technology, academia, data science, operations engineering, finance, global education, and risk analytics. Their unique backgrounds created a rich intellectual environment and expanded the scope of learning for participants. Speakers included senior academicians, corporate leaders, data practitioners, and global strategists who shared contemporary case studies, practical demonstrations, and domain-specific best practices.

Their varied experiences from AI applications, cloud operations, blockchain technologies, fintech, and decision science to risk modeling, software engineering, and international education ensured that participants gained a 360-degree understanding of how data-driven decision-making functions across multiple domains. This diversity in expertise provided the participants with not only the conceptual frameworks but also the real-world adaptability needed to apply these concepts in their respective institutions. By integrating these interdisciplinary perspectives, the FDP successfully bridged the conceptual gaps between academic theory and industry application, ensuring that participants derived maximum practical value from the sessions.

In adherence to AICTE–ATAL guidelines, the FDP included practical hands-on workshops, demonstrations of visualization tools, and exposure visits to institutions or industries involved in advanced research, digital innovation, or large-scale data operations. These visits enriched participants' understanding of how data systems function at scale and how organizations manage analytics-driven processes.

The hands-on sessions were particularly impactful, enabling the participants to gain familiarity with:

- Data cleaning and preprocessing
- Creating interactive dashboards
- Building predictive models
- Applying statistical tools
- Understanding organizational data flows
- Analysing real-life datasets

The experiential component strengthened their confidence and proficiency in applying analytics for teaching, research, and decision-making.

The FDP formally concluded on 29th November 2025 with the Valedictory Session, where participants shared reflections, experiences, and the impact the programme had on their skills and perspectives. Certificates of completion were awarded to participants who attended all sessions and actively engaged in the learning activities. Dr. Vinod Kumar Mishra, Co-coordinator of the FDP, addressed the gathering and acknowledged the enthusiastic participation of the attendees and the significant contributions of the resource persons. He

emphasized the importance of continuous learning in keeping up with the technological shifts shaping higher education and industry. Several participants expressed how the FDP broadened their understanding of analytics tools, strengthened their strategic thinking, and inspired them to integrate data-driven approaches into their teaching methodologies and institutional responsibilities. Their feedback highlighted the programme's success in combining conceptual knowledge with practical applicability.

The FDP is expected to create lasting impact in the following ways:

- Enhanced ability of faculty to adopt data-centric teaching and learning practices
- Strengthened research capabilities using data-driven methods
- Improved institutional planning and academic governance
- Increased collaboration between academia and industry
- Motivation among participants to pursue advanced courses in analytics, AI, or data science
- Development of data literacy among students through faculty initiatives
- Potential for interdisciplinary research and consultancy projects

This FDP aligns with national educational priorities, NEP 2020 guidelines, and AICTE's mission to develop future-ready educators capable of navigating the demands of a digital and knowledge-driven economy. The AICTE–ATAL Sponsored FDP on "Data-Driven Strategic Planning and Decision-Making" at IPS Academy, Indore, successfully delivered a comprehensive and transformative learning experience for faculty members and scholars. By integrating cross-disciplinary expert insights, practical analytics training, real-world case studies, and institutional exposure, the programme enriched participants' professional outlook and equipped them with competencies essential for academic excellence and leadership in the digital age.

Speaker's Profile

RESOURCE PERSON

Dr. Vinay Goyal
Professor
SPJIMR, Mumbai

Lokesh Setty
Sr. Vice President
J.P Morgen Chase & Co., Bangalore

Dr. Prateek Sharma
Director
Global Education PIMR, Indore

Mustafa Asif
Sr. Risk Analyst
OSB India, Bangalore

Dr. Vandit Hedau
Associate Professor
SDSF , DAVV, Indore

Ankita Shrivastava
Engineering Manage
TATA CliQ, Mumbai

CA Vinay Goyal is a distinguished academic leader, seasoned finance professional, and passionate educator currently serving as ***Professor and Department Chair (Finance & Accounts)*** *at* ***SP Jain Institute of Management & Research (SPJIMR)***, Mumbai one of India's premier management institutions. With an illustrious career spanning more than 18 years across leading B-schools, he has established himself as an authority in finance, taxation, accounting, valuation, and strategic financial management.

At SPJIMR, he holds multiple leadership roles, including Director – Academic Operations and Professor in the Finance area. His contributions combine academic rigor, administrative excellence, and strategic vision, enabling SPJIMR to maintain its reputation as a globally recognized institution for management education. Before joining SPJIMR, he served in prominent positions at some of India's leading institutions: Associate Professor IIM Raipur, Associate Professor, Goa Institute of Management (GIM), Professor & Principal, Altius Institute of Universal Studies, Reader/Associate Professor, CH Institute of Management & Commerce. Known for his commitment to academic excellence, CA Goyal is admired for his clarity in teaching, student-centric approach, and ability to simplify complex financial concepts. His passion for teaching is reflected in his personal philosophy: "Passionate academician, love teaching, and always learning!"

Dr. Goyal holds a Ph.D. in Management from Devi Ahilya Vishwavidyalaya, an FDP certification from IIM Ahmedabad, and a strong academic foundation in Commerce. His research contributions include case studies published by Richard Ivey Publishing, showcasing his expertise in business valuation, manufacturing strategy, and applied financial decision-making. Over the years, he has trained numerous students, faculty members, and professionals through workshops, executive programmes, and institutional training initiatives. His deep industry insights, analytical expertise, and practical orientation have made him a sought-after resource person in national-level FDPs, MDPs, and conferences. With his strong academic lineage, administrative leadership, and dedication to continuous learning, CA Vinay Goyal stands as an influential voice in modern finance education, inspiring learners and educators alike through his commitment, discipline, and excellence.

Dr. Vandit Hedau is an ***Associate Professor at the School of Data Science and Forecasting, Devi Ahilya Vishwavidyalaya (DAVV), Indore***, and Head of Department at School of Statistics, DAVV where he has been serving since October 2006 with more than 19 years of academic experience. He teaches postgraduate programs including M.Tech (Data Science & Big Data Analytics), M.Sc. (Data Science & Analytics), and MBA (Business Analytics). He is also a registered Ph.D. guide in Data Science.

Dr. Hedau has contributed significantly to academic administration as Chairman Board of Studies in Data Science Placement In-charge, Coordinator for DQAC & NIRF activities, Examination Assistant Superintendent, and Coordinator for AICTE & scholarship programs. He has also served as Observer and Member in multiple university committees and

His research interests lie in Machine Learning, Operations Research, Forecasting Methods, Production & Operations Management, and Sustainable Energy Systems. He has published more than 50 research papers in international and national journals and holds patents in machine learning-based cancer detection and facial detection systems.

With experience guiding more than 350 postgraduate student projects,and 3 Ph.D awarded he has led multiple workshops, faculty development programs, and technical trainings. He is proficient in tools like MATLAB, SPSS, R, Python, TORA, and data analytics platforms. He holds a Ph.D. in Sustainable Energy Planning, an M.Tech in Future Studies and Planning, and a B.E. in Mechanical Engineering.

Mr. Mustafa currently serves at ***Sr. Risk Analyst, OSB India***, ***Bangalore***, where he has been instrumental in designing and deploying sophisticated analytical solutions that significantly strengthen proactive risk identification and portfolio monitoring. His expertise spans SAS, SQL, EWI frameworks, KRI dashboards, roll-rate analysis, and a wide range of credit risk reporting and visualization tools.

During his tenure, he has successfully:

- Led the development of a SAS-based Early Warning Indicator (EWI) framework, enhancing risk anticipation and enabling strategic business decisions.
- Developed comprehensive Key Risk Indicator dashboards, contributing to a *10% reduction in high-risk loan defaults*.
- Built end-to-end analytics solutions for the Consumer Product Committee, providing deep insights into mortgage portfolio performance, borrower behavior, and credit strategy optimization.
- Automated organization-wide Risk Appetite Statement (RAS) reporting, improving reporting accuracy and reducing turnaround time by *40%*.
- Conducted advanced arrears, roll-rate, and forbearance analyses, supporting early interventions and reducing customers progressing to serious arrears by *20%*.

Before joining OSB India, he worked with Germane Analytics and Canara HSBC Life Insurance, where he strengthened credit risk frameworks, improved reporting accuracy, and transformed manual Excel reports into dynamic Power BI dashboards leading to faster and more informed decision-making. He holds an MBA in Finance from Devi Ahilya Vishwavidyalaya, Indore, and brings strong domain knowledge, analytical depth, and a commitment to data-driven decision-making. With his proven expertise in risk analytics, portfolio diagnostics, and business-critical insights, he continues to be a powerful contributor to modern risk management practices.

Dr. Prateek Sharma currently serves as the ***Director – International Partnerships and Director – Global Education at the Prestige Institute of Management & Research, Indore,*** where he has been instrumental in driving international collaborations, enhancing academic quality systems, and expanding the institute's global footprint. With over eight years of progressive leadership at PIMR including more than seven years as Deputy Director he has shaped key institutional functions such as curriculum development, faculty management, student development, and strategic academic planning.

Bringing a strong academic foundation, Dr. Sharma holds an Executive MBA from XLRI Jamshedpur and a PhD in International Business from DAVV, where he secured an exceptional A++ grade for his research. His expertise spans international partnerships, cross-border education strategy, leadership development, HR management, and global program design. Beyond his work at PIMR, Dr. Sharma brings a remarkable 24+ years of combined academic and industry experience. His leadership journey includes roles such as Registrar & Head of Vocational Courses at Oriental University, GM–HR at Knowledgeisland Infotech, Head of Project Management at Kriti Nutrients Ltd, and Founder Director & Professor at premier management institutes in Dewas and Indore. His early career contributions in HR and international marketing with leading organizations such as Reliance Retail and Divya Chemicals add further depth to his professional portfolio.

Dr. Sharma is also an innovator with several patents and copyrights, including models for organizational excellence, sustainable elevation, and advanced job description frameworks. A prolific researcher, he has published extensively in Scopus-indexed journals, authored books in international business and finance, and guided multiple Ph.D. and M.Phil. scholars. He has been invited to deliver numerous workshops, training programs, and keynote lectures, and has even served as a panel member at the WTO in Geneva. His achievements have earned him prestigious recognitions, including a Leadership Award from CMI, a Six Sigma Yellow Belt certification from Reliance Retail, and certifications from esteemed institutions such as Harvard Business School and XIMB.

Ankita Shrivastava, *Engineering Manager, TATA CliQ, Mumbai* is known for her rare combination of deep technical expertise and calm, thoughtful leadership. Over the years, she has successfully led engineering teams through complex product cycles, mentored upcoming developers, and driven architecture initiatives that significantly improved clarity, efficiency, and performance across projects. She holds a B.Tech in Electronics & Communication, a PG Diploma in Wireless & Mobile Computing from CDAC, and an MBA in Business Analytics from NMIMS, Mumbai. This academic blend gives her both the precision of an engineer and the analytical lens of a strategist enabling her to design solutions that are robust, future-ready, and business-aligned.

Currently, she leads Android engineering teams and plays a key role in shaping platform-level decisions for TataCLiQ's marketplace and luxury applications. She has spearheaded several high-impact initiatives, including integrating all three TataCLiQ verticals into a unified repository, revamping the application architecture using MVVM and Clean Architecture, and implementing modern development approaches like Jetpack Compose and modularization. Ankita has also been instrumental in building data-informed development practices. She has integrated leading analytics platforms such as Adobe, CleverTap, Appsflyer, Omniture, and Firebase, enabling richer insights into user behavior and performance.

Her technical expertise spans Java, Kotlin, Jetpack Compose, Hilt, CI/CD pipelines, code quality frameworks like Sonar and Jacoco, and comprehensive testing practices using Unit Test, JUnit, and Mockito. She is also deeply experienced in Agile methodologies, one-on-one team mentoring, and engineering best practices. Before joining Tata Cliq, Ankita worked with Future Group and 3i Infotech, contributing to major applications in e-commerce, real estate, insurance, and banking domains. Many of her developed applications continue to be live on the Play Store, reflecting her strong track record of delivering reliable, user-focused digital products. She is also the winner of a 24-hour coding hackathon, a Star Performer awardee, and a certified TataCLiQ interviewer demonstrating not only her technical brilliance but also her commitment to talent development and organizational excellence. With her ability to merge technical strength with strategic thinking, Ankita exemplifies the next generation of tech leaders who drive innovation with clarity, empathy, and data-driven decision making.

Mr. Lokesh Setty is a distinguished technology and data-driven transformation leader, currently serving as ***Senior Vice President at JP Morgan Chase & Co.***, one of the world's largest and most innovative global financial institutions. With rich experience spanning digital transformation, data governance, and enterprise technology solutions, he has been at the forefront of driving organizational change through advanced digital and analytical frameworks.

Throughout his career, Mr. Setty has contributed significantly to modernizing enterprise systems, enhancing operational efficiency, and building technology-driven decision-making cultures across large-scale organizations. His expertise lies in digital transformation strategy, big data ecosystems, ethical implications of emerging technologies, and the integration of advanced analytics into business workflows.

At JP Morgan Chase & Co., he plays a pivotal role in steering technology-enabled innovation, ensuring robust data integrity, and guiding teams in adopting responsible and scalable digital practices. His leadership has been instrumental in aligning technological advancements with organizational objectives, enabling businesses to navigate the rapidly changing digital landscape with confidence and agility.

In his session for the FDP, Mr. Setty offered deep insights into the practical realities of digital transformation, emphasizing how organizations leverage big data for significant strategic decisions. He also highlighted critical ethical considerations, such as privacy, algorithmic fairness, transparency, and responsible AI usage elements that are fundamental to sustainable digital ecosystems.

A seasoned professional with a strong analytical mindset, Mr. Lokesh Setty is widely respected for his clarity of thought, structured problem-solving approach, and ability to translate complex technological concepts into meaningful business outcomes. His contributions continue to inspire professionals, educators, and institutions in understanding and embracing the future of data-driven decision-making.

SESSION REPORT

Day 1 - Session 1

Foundations of Data Analytics and Business Intelligence

Speaker: Dr. Vinay Goyal, Professor, SPJIMR Mumbai

The first session of Day 1 began with an intellectually stimulating lecture by Dr. Vinay Goyal from SPJIMR Mumbai. From the outset, Dr. Goyal demonstrated exceptional clarity in presenting the foundations of Data Analytics and Business Intelligence (BI), which form the backbone of modern decision-making processes across industries and institutions. His approach enabled participants to grasp both the conceptual depth and practical relevance of analytical thinking.

Dr. Goyal opened the session with a fundamental exposition on Data Analytics as a disciplined process of transforming raw data into actionable knowledge. He stressed that analytics is far more than learning software or executing algorithms; it is a cognitive process involving interpretation, pattern recognition, and inferential reasoning. According to him, the essence of analytics lies in asking the right questions, identifying meaningful patterns, and understanding the context in which data is generated.

He elaborated on the four levels of analytics descriptive, diagnostic, predictive, and prescriptive explaining how decision-making evolves from basic summarization of past events to recommending future actions. These stages helped participants build a structured conceptual lens to differentiate analytical outputs in varied decision scenarios. Some key reflections from this segment include:

- Analytics is not tool-driven; it is *thinking-driven*.
- Patterns are valuable only when understood in context.
- Data-based decisions reduce ambiguity and strengthen institutional credibility.

Transitioning to Business Intelligence (BI), Dr. Goyal emphasized its strategic importance in everyday decision-making. He described BI as an integrative system that uses dashboards, visual analytics, and automated reports to present real-time insights to stakeholders. He illustrated how modern leaders rely heavily on BI tools such as Tableau, Power BI, QlikView, and Looker Studio to monitor organizational health and evaluate performance metrics across departments. His emphasis on BI as a "strategic control panel" offered participants a practical perspective on how data visualization supports effective decision cycles. He further explained that BI has become indispensable in managing organizational complexities, particularly in sectors like retail, healthcare, banking, logistics, hospitality, and education. Through compelling real-world examples, Dr. Goyal demonstrated how data dashboards highlight inefficiencies, reveal market opportunities, and help leaders respond swiftly to emerging challenges.

Key takeaways from this section include:

- BI ensures consistency and transparency in institutional decisions.
- Real-time dashboards enhance responsiveness.
- Visual intelligence simplifies complex data narratives.

Dr. Goyal then elaborated on the growing importance of data as a strategic asset, explaining how organizations now place data at the core of their planning frameworks. He stressed that as competition intensifies and market conditions become unpredictable, the need for analytical foresight becomes imperative. He argued convincingly that organizations that fail to integrate data in their decision culture risk obsolescence.

In highlighting practical applications, he discussed diverse use cases such as customer segmentation, risk analytics, operational optimization, performance dashboards, and ROI measurement. These examples deepened the understanding of how analytics inspires innovation and supports organizational transformation.

The session ended with a discussion on how analytics is reshaping academic institutions. Dr. Goyal emphasized that educational leaders must adopt analytics to improve academic planning, monitor student performance, analyze research output, and manage accreditation requirements. His insights made participants realize that higher education institutions are no longer immune to the digital transformation sweeping across industries.

Day 1 - Session 2

Applications in Strategic Decision-Making & Behavioral Analytics, Risk Assessment and Financial Forecasting

Speaker: Dr. Vinay Goyal, Professor, SPJIMR Mumbai

Following the foundational concepts introduced in Session 1, Session 2 shifted into a deeper exploration of Predictive Analytics, data-driven strategy, and real-world applications. Dr. Goyal structured this part of the session to illustrate the functional and practical effectiveness of analytics in complex decision-making environments. He began by defining predictive analytics as the analytical engine that gives organizations the power to look ahead, anticipate future scenarios, and make proactive decisions. By using historical data, machine learning models, and statistical algorithms, predictive systems offer reliable forecasts that support future-oriented planning. This section captured the participants' interest as it bridged theoretical foundations with their practical institutional needs.

Dr. Goyal explained major predictive modelling techniques including regression models, classification trees, ensemble algorithms such as Random Forest and XGBoost, clustering techniques, and time-series forecasting methods. Each method was illustrated with purposeful examples, enabling participants to visualize how these models operationalize decision processes.

He supported these explanations with compelling case studies:

- Customer churn prediction used by telecom and OTT platforms.
- Fraud detection models applied in financial institutions.
- Demand forecasting in retail and manufacturing.
- Predictive maintenance for industrial machinery.
- Energy consumption forecasting in smart city systems.

These examples underscored how predictive analytics enhances responsiveness, reduces operational risks, improves efficiency, and supports strategic competitiveness. Participant reflections noted:

- Predictive models help anticipate risks before they escalate.
- Organizations gain competitive advantage through foresight.
- Practical applications demonstrate the real relevance of analytics in everyday contexts.

The session then moved into a detailed discussion on data-driven strategic planning, which Dr. Goyal described as a synthesis of analytics, managerial judgement, and technological tools. He emphasized that strategic planning today is no longer driven by intuition or isolated experience; instead, it is informed by data dashboards, predictive insights, and performance metrics.

Dr. Goyal highlighted how organizations employ analytical intelligence to:

- Identify operational inefficiencies
- Recognize emerging opportunities
- Assess risks and uncertainties

- Plan human, financial, and technological resources
- Strengthen long-term decision frameworks

He stressed that analytics-driven strategies ensure objectivity and enable leaders to remain adaptable in uncertain environments.

A distinctive feature of this session was its focus on the higher education sector. Dr. Goyal elaborated how academic institutions can use analytics to evaluate program outcomes, track student learning behavior, design curricula aligned with industry trends, and support accreditation documentation with measurable data. He encouraged educators to cultivate data literacy and integrate analytical thinking into their teaching methodologies. Dr. Goyal also discussed some of the challenges institutions face while adopting analytics. These include issues such as data silos, inconsistent data quality, lack of digital infrastructure, limited analytical skills, and resistance to technological change. He provided strategies to overcome these barriers, urging institutions to invest in capacity building, standardized data processes, and structured implementation frameworks.

An important part of the session was dedicated to data interpretation skills. Dr. Goyal reminded participants that analytics is meaningful only when interpreted correctly. Misreading trends, confusing correlation with causation, or failing to validate data sources can lead to faulty conclusions. He highlighted interpretive skills such as contextual reasoning, identifying data biases, and questioning anomalies. The session concluded with a lively question–answer discussion, where participants explored the practical aspects of integrating analytics into academic and administrative contexts. The queries ranged from selecting BI tools and applying predictive models in research to understanding unstructured data and differentiating between machine learning and traditional statistics. Dr. Goyal's responses were thorough and thoughtfully tailored to academic needs.

Day 2 - Session 1

Foundations of Tools and Techniques for Data Analysis

Speaker: Dr. Vandit Hedau, Associate Professor, School of Data Science, Devi Ahilya Vishwavidyalaya (DAVV), Indore

Day 2 of the AICTE–ATAL Faculty Development Program began with an in-depth and analytically rich session led by Dr. Vandit Hedau, an established academician with 19 years of experience in teaching, research, and data science projects. As an Associate Professor at the School of Data Science, DAVV Indore, Dr. Hedau brought a remarkable blend of academic rigor and practical insight to the session titled "Tools & Techniques for Data Analysis."

Dr. Hedau began the session by placing data analysis within the modern decision-making ecosystem. He emphasized that data, on its own, is not inherently valuable; instead, it is the *process of analysis* that converts disconnected numbers into meaningful insights. He explained that as data grows in volume, variety, and velocity, the need for structured analytical techniques becomes more critical than ever. He introduced the participants to a broad spectrum of data analysis tools, beginning with classical statistical methods and extending to modern computational platforms. His introduction struck a balance between conceptual understanding and hands-on relevance, making the session accessible yet intellectually stimulating.

He emphasized that choosing the right analytical tool depends on:

- The nature of the dataset
- The analytical goal
- The complexity of the problem
- The required speed and precision
- The user's technical expertise

This perspective helped participants recognize that tools are not merely technological choices but strategic decisions aligned with analytical objectives.

Conceptual Foundation: Understanding Data Structures and Data Preprocessing

Dr. Hedau highlighted that before any meaningful analysis can be conducted, the dataset must undergo systematic preprocessing. He described data preprocessing as the foundation upon which all advanced analytics is built. His explanation covered essential steps such as data cleaning, handling missing values, removing outliers, normalization, and data transformation. He stressed that many analytical mistakes occur not in the model but in the data preparation process, reinforcing the need for careful attention to preprocessing.

Reflections highlighted by the expert:

- Clean data is more valuable than complex models.
- Most analytical errors arise from poor preprocessing.
- Data transformations determine the success of machine learning workflows.

The clarity with which Dr. Hedau presented preprocessing made participants realize that data science is as much about "preparing the data" as it is about "analyzing the data."

Overview of Analytical Tools

The session then moved into a structured exploration of widely used data analysis tools. Dr. Hedau discussed both traditional statistical tools and modern computational platforms, providing a comparative lens that helped participants understand tool applicability. He covered:

- MS Excel – Suitable for basic analytics, pivoting, descriptive summaries, and exploratory insights.
- SPSS – Useful for social science research, inferential statistics, and hypothesis testing.
- R Programming – Ideal for statistical modeling and reproducible research.
- Python – Dominant tool for machine learning, automation, and advanced analytics.
- Power BI & Tableau – Visualization-centric platforms that translate data into dashboards.
- SQL – Mandatory for data extraction and database querying.
- Google Colab / Jupyter Notebook – Preferred for interactive analytics and experimentation.

Each tool was explained with its strengths, limitations, and recommended use cases, enabling participants to align tools with their research or administrative requirements. Some reflections shared for tool selection included:

- Tools should be selected based on project complexity and scalability.
- Visualization tools help communicate findings beyond technical audiences.
- Programming-based tools offer flexibility, essential for predictive and prescriptive analytics.

Introduction to Exploratory Data Analysis (EDA)

Dr. Hedau then introduced participants to Exploratory Data Analysis (EDA), describing it as the first analytical conversation between the researcher and the dataset. He explained how EDA serves to identify patterns, detect anomalies, outline trends, and validate assumptions.

He encouraged participants to adopt a visual mindset while performing EDA, as graphs often reveal insights that raw tables do not. He demonstrated the importance of using:

- Boxplots
- Histograms
- Heatmaps
- Scatterplots
- Pairwise correlation charts

He emphasized the interpretive nature of EDA:

- Visual insights often drive analytical direction.
- EDA uncovers the real story behind the data.
- Early insights refine model selection and research direction.

Day 2 - Session 2

Practical Approaches, Statistical Techniques, and Applied Data Analysis

Speaker: Dr. Vandit Hedau, Associate Professor, School of Data Science, Devi Ahilya Vishwavidyalaya (DAVV), Indore

Session 2 built on the conceptual foundation of Session 1, shifting into a more applied and technique-oriented exploration of data analysis. Dr. Hedau demonstrated how foundational tools and techniques evolve into more sophisticated analytical methods.

He began by discussing statistical analysis, emphasizing its role as the backbone of data interpretation. He highlighted that although modern analytics relies heavily on advanced algorithms, statistical methods remain fundamental because they provide the theoretical grounding needed to validate findings.

Statistical Techniques Essential for Data Analysis

Dr. Hedau introduced participants to a curated set of statistical tools that support both academic research and business decision-making. These included:

- Descriptive statistics (mean, median, variance, skewness)
- Correlation and covariance
- Hypothesis testing (t-test, chi-square, ANOVA)
- Regression analysis
- Distribution analysis

He explained each technique's applicability with real-world examples. For instance, regression was described as a method to understand relationships between variables, while ANOVA helps compare multiple groups across categorical inputs.

Reflections from this segment included:

- Statistical methods validate whether patterns are meaningful or accidental.
- Good statistical understanding prevents misinterpretation of data.
- Every sophisticated model is built upon simple statistical principles.

Machine Learning Techniques as Extensions of Data Analysis

Dr. Hedau then transitioned to discussing how machine learning extends traditional analytic frameworks. He introduced fundamental ML techniques such as:

- Linear regression
- Logistic regression
- Decision trees
- Clustering (K-Means, Hierarchical)
- Ensemble models

Instead of diving into coding, he focused on the interpretative logic behind these techniques, ensuring that participants understood when and why to use specific models.

He emphasized that machine learning should not replace human reasoning, but complement it:

- ML models detect patterns beyond human capacity.
- Human judgment provides context and interpretative boundaries.
- Human–machine synergy increases analytical reliability.

Practical Insights on Data Visualization

A major highlight of the session was Dr. Hedau's focus on data visualization as a critical element of analytical communication. He explained that visuals are the bridge between analysts and decision-makers, transforming technical findings into comprehensible insights. He demonstrated how visualization:

- Reduces cognitive load
- Enhances interpretability
- Supports strategic communication
- Increases decision-makers' trust in data

Tools like Power BI, Tableau, Matplotlib, and Seaborn were contextualized as essential components of any data-driven workflow.

Interactive Discussion and Q&A

The session concluded with a dynamic Q&A where participants sought clarity on topics such as:

- How to select the right tool for a research project
- How to start with Python or R programming
- Best practices for handling missing or unclean data
- How to integrate visualization tools in academic research
- How machine learning can be applied in social sciences

Dr. Hedau's responses were grounded, practical, and inclusive of both academic and technical perspectives. His deep experience was evident in the way he contextualized each answer for the participating faculty group.

Day 3 - Session 1

Unlocking Insights – The Power of Data Analytics

Expert: Mr. Mustafa Asif, Sr. Risk Analyst, OSB India Pvt. Ltd., Bengaluru

Day 3 of the AICTE–ATAL FDP began with a compelling and highly application-oriented session delivered by Mr. Mustafa Asif, a seasoned Senior Risk Analyst from OSB India Pvt. Ltd., Bengaluru. With six years of expertise in risk analysis, data modeling, and analytical decision-making within the banking and financial services sector, Mr. Asif brought a strong industry perspective to the theme "Unlocking Insights – The Power of Data Analytics." Mr. Asif initiated the session by highlighting the centrality of data analytics in today's corporate and digital landscape. He explained that data, when analyzed effectively, becomes a strategic compass that helps organizations navigate uncertainties, assess risks, and uncover opportunities. Drawing from his risk analytics experience, he established that analytics-driven insights are no longer optional but essential for survival in competitive environments.

He emphasized that the real power of analytics lies in its ability to convert ambiguity into clarity and transform complexity into actionable insights. Through practical anecdotes from financial risk modeling, fraud detection, and customer behavior analysis, he demonstrated how analytics becomes an indispensable decision-support system in industries dealing with high uncertainty. Reflections shared during his introduction included:

- Data becomes powerful only when converted into structured insights.
- Organizations that use analytics outperform those that depend only on intuition.
- Analytics reduces decision-making biases and strengthens operational precision.

Understanding the Analytics Value Chain

Mr. Asif provided an overview of the Analytics Value Chain, explaining how organizations move from raw data to intelligent decision systems. He introduced the concept through a structured flow:

1. Data Collection – Gathering data from internal systems, transactions, sensors, customer logs, etc.
2. Data Cleaning and Processing – Removing inconsistencies, validating data integrity.
3. Exploratory Data Analysis – Identifying trends, anomalies, and early signals.
4. Model Development – Applying statistical and machine learning models.
5. Interpretation of Insights – Translating outputs into business meaning.
6. Decision Implementation – Using insights to guide action.

He explained that each step requires different competencies but the ultimate success depends on accurate interpretation, not merely on running algorithms.

Key reflections:

- The analytics workflow is systematic and iterative.
- Insight quality depends heavily on data quality.
- Interpretation skill is more important than computational complexity.

Risk Analytics as a Powerful Application of Data Science

As a Senior Risk Analyst, Mr. Asif offered deep insights into how analytics is used in banking and financial institutions. He explained that risk analytics blends quantitative rigor with strategic foresight, helping organizations:

- Predict loan defaults
- Identify high-risk customers
- Develop credit scoring models
- Prevent fraudulent transactions
- Assess operational and market risks
- Optimize portfolios and investments

He explained popular analytical methods used in risk management, such as:

- Logistic regression
- Anomaly detection techniques
- Classification algorithms
- Stress testing models
- Scenario analysis

His ability to simplify complex risk algorithms helped participants understand the intersection of analytics and strategic financial planning.

Exploratory Data Analysis and Visualization

Mr. Asif spent a considerable part of the session explaining Exploratory Data Analysis (EDA) as the storytelling phase of analytics. He highlighted how trends, correlations, and patterns emerge visually before they are quantified mathematically. Common tools and methods he discussed included:

- Heatmaps
- Boxplots
- Line graphs
- Scatterplots
- Correlation matrices
- Time-series charts

Interactive Discussion and Reflection

During the Q&A, participants asked questions related to financial modeling, using analytics in non-finance domains, and interpreting risk probabilities in academic scenarios. Mr. Asif offered contextualized answers, connecting industry applications with academic relevance.

Participants reflected that:

- Industry analytics provides strong real-world perspectives.
- Risk-based decision-making has parallels in institutional assessment.
- Financial analytics tools can be adapted to academic and administrative contexts.

Day 3 - Session 2
Data-Driven Decision-Making in Academia and Institutional Planning

Expert: Dr. Prateek Sharma, Dean, Global Studies, PIMR Indore

The second session of Day 3 transitioned the focus from industry analytics to the academic domain. Dr. Prateek Sharma, a senior academic leader with nearly three decades of experience, delivered a thought-provoking session on "Data-Driven Decision-Making in Academia and Institutional Planning."

Dr. Sharma began by establishing the growing importance of data-based academic governance. He explained that educational institutions much like corporate organizations generate enormous amounts of data through admissions, examinations, research output, placements, student performance, administrative processes, and teaching–learning activities. However, the challenge is not data availability but the ability to utilize it effectively for institutional development. He emphasized that academic institutions must transform their decision-making culture from "experience-based judgments" to "evidence-based planning." His introduction included powerful reflections:

- Data adds objectivity to academic decisions.
- Institutions risk stagnation if they rely solely on tradition and intuition.
- Decision-making in education must align with measurable outcomes and transparent analytics.

Analytics for Academic Excellence and Governance

Dr. Sharma explained how analytics supports decision-making at multiple levels:

1. Program-level decisions – Curriculum design, learning outcomes, program structure.
2. Faculty-level analysis – Performance metrics, workload distribution, research benchmarks.
3. Student-level insights – Learning pathways, performance patterns, dropout analysis.
4. Institution-level governance – Strategic planning, quality assurance, compliance documentation.

Accreditation, Rankings, and Data Mandates

A significant portion of the session addressed the role of data in NAAC, NBA, NIRF, and international accreditations. Dr. Sharma explained that most accreditation bodies now mandate evidence-based documentation. Analytics plays a critical role in tracking:

- Program outcomes and CO–PO mapping
- Faculty qualifications and research
- Innovation and entrepreneurship indicators
- Institutional quality matrices
- Graduate outcomes and placements

He argued that institutions that maintain real-time analytical dashboards perform significantly better in accreditation cycles.

Reflections:

- Accreditation is becoming increasingly data-centric.
- Continuous data monitoring ensures institutional readiness.
- Analytics supports transparency and quality assurance.

Planning and Administrative Decision-Making

Dr. Sharma discussed how data-driven frameworks help streamline:

- Resource allocation
- Infrastructure planning
- Faculty recruitment
- Budgeting and financial planning
- Student support services
- Research development strategies

Data-Driven Teaching–Learning Enhancements

Another key focus of the session was the role of data in improving teaching quality. Dr. Sharma explained how analytics helps:

- Identify learning gaps
- Personalize learning pathways
- Track course effectiveness
- Support slow and advanced learners
- Improve assessment quality

He encouraged faculty members to integrate analytics into pedagogy, course planning, and learner evaluation.

Closing Reflections and Q&A

The session concluded with a thoughtful discussion on challenges faced by institutions while adopting analytics. Dr. Sharma emphasized that cultural resistance, lack of training, data fragmentation, and limited infrastructure are major barriers.

He provided strategies such as:

- Faculty capacity-building programs
- Centralized data management systems
- Analytical literacy workshops
- Department-level analytics committees

Participants appreciated the session for its clarity, relevance, practical depth, and strong alignment with institutional realities.

Day 4 - Session 1
Student Performance Analytics, Curriculum Development & Research Impact Measurement

Expert: Dr. Prateek Sharma, Dean, Global Studies, PIMR Indore

Day 4 of the AICTE–ATAL FDP opened with an advanced, academically rich session delivered by Dr. Prateek Sharma, a distinguished academician with nearly three decades of experience in higher education leadership. Continuing the analytical direction of the FDP, Dr. Sharma focused on three crucial pillars that significantly shape institutional development Student Performance Analytics, Curriculum Development using data-driven insights, and Research Impact Measurement. He emphasized that modern educational institutions can no longer rely on outdated or intuition-based systems. Instead, they must adopt analytical frameworks to ensure quality enhancement, accountability, and global competitiveness.

Dr. Sharma began by establishing the argument that data is at the core of educational transformation. He highlighted that institutions produce large amounts of structured and unstructured data every day from student performance to faculty research productivity and the true value lies in using this data to make strategic academic decisions. He stressed that evidence-based planning is not only efficient but essential in the NEP 2020 era, where outcomes, transparency, and academic accountability matter more than ever.

Student Performance Analytics

Dr. Sharma discussed how student performance analytics offers deep insights into learner behavior, academic progression, and institutional effectiveness. He explained that student data is far more than examination results; it is a multidimensional reflection of learning levels, challenges, and trends over time. He encouraged institutions to adopt dashboards and analytical models that help visualize student performance across cohorts, subjects, and semesters.

The critical elements he emphasized included:

- Early identification of slow learners through performance trends
- Prediction of dropout risks using behavioral and academic indicators
- Mapping learning difficulties through continuous assessment patterns
- Linking teaching effectiveness with student engagement and results
- Using longitudinal data to track academic improvement across batches

Curriculum Development through Data-Driven Approaches

In the next segment, Dr. Sharma shifted the focus to Curriculum Development, explaining that modern curricula must evolve through evidence-based evaluation. He argued that traditional curriculum design approaches are insufficient in today's rapidly evolving academic and industrial landscape. Institutions must systematically analyze performance data, employability trends, and feedback from stakeholders before revising or updating curriculum components.

He explained that a data-driven curriculum ensures that courses remain relevant, competency-based, and aligned with industry expectations. Dr. Sharma highlighted the use of analytics to

drive curricular improvements, stressing the need for continuous monitoring of Course Outcomes (COs) and Program Outcomes (POs).

Research Impact Measurement

Dr. Sharma then addressed the growing importance of Research Impact Measurement in academic institutions. He clarified that research quality today is measured not only by the number of publications but by the visibility, influence, and societal relevance of scholarly output. Institutions must adopt analytics tools and impact metrics to evaluate research performance consistently and transparently.

He introduced participants to widely recognized research metrics and global benchmarking systems, explaining how they contribute to evaluating institutional quality. Dr. Sharma further emphasized that research analytics helps institutions identify strengths, build research clusters, encourage interdisciplinary collaboration, and enhance global ranking performance.

Integrating Analytics into Institutional Planning

Towards the conclusion, Dr. Sharma coherently tied together student analytics, curriculum analytics, and research analytics, explaining that these elements collectively guide institutional planning. He stressed that institutions using data-driven decision frameworks achieve higher levels of quality, accountability, and academic excellence. He further stated that analytics strengthens accreditation readiness, enhances documentation quality, and ensures continuous improvement.

He pointed out several crucial aspects for institutional planning:

- Using multi-year student performance data for future academic reforms
- Evaluating teacher contribution using measurable parameters
- Tracking institutional progress through benchmarking and dashboards
- Aligning resource allocation with analytical evidence rather than assumptions
- Using analytics to support administrative efficiency and policy making

Through this, Dr. Sharma emphasized that institutions grounded in analytical culture become self-improving systems capable of adapting to dynamic educational landscapes.

Discussion and Closing Insights

The session ended with an interactive and stimulating discussion where participants sought clarity on data tools, CO–PO mapping frameworks, research analytics dashboards, and the practical challenges of integrating analytics into institutional functioning. Dr. Sharma responded with actionable strategies, providing both technical guidance and leadership insights. Participants appreciated his ability to integrate global perspectives with local institutional challenges.

Day 4 - Session 2
Industrial Visit to Inland Container Depot (Dhannad), Indore

Industry Type: Logistics
Area of Learning: Hands-on Experience with Data Visualization

The second session of Day 4 featured an enriching industrial visit to the Inland Container Depot (ICD), Dhannad Indore, located at Multimodal Logistics Park, NH-3, Near Rau, District Indore (M.P.) – 45333. This visit was designed to provide participants with practical exposure to data-driven logistics management and firsthand understanding of how large-scale supply chain operations rely heavily on data visualization, dashboards, and analytics-based decision-support systems.

Upon arrival, participants were oriented to the operational framework of ICD–CONCOR, a critical node in India's export-import logistics network. The organization plays a vital role in facilitating cargo movement, container handling, multimodal transportation, warehousing, and coordinated tracking across national and international destinations. The visit offered a unique opportunity to observe how data analytics transforms traditional logistics into a digitally coordinated, efficiency-driven ecosystem.

The CONCOR team welcomed the participants and provided a structured walkthrough of major departments, demonstrating how digital tools, terminal management systems, and data dashboards are used in real-time operations. The focus of the visit aligned with the FDP theme, as participants learned how data visualization enhances clarity, accuracy, and responsiveness in the logistics environment.

Key learning insights included:

- Use of live dashboards for monitoring inbound and outbound container movement
- Visualization tools deployed for real-time cargo tracking and route optimization
- Performance analytics used to evaluate loading/unloading efficiency
- Heatmaps and status boards used to track container dwell time and yard occupancy
- Predictive insights supporting scheduling, slot management, and demand forecasting
- Data integration systems linking customs, freight forwarders, shipping lines, and truck movement
- Digital documentation systems reducing processing errors and improving operational transparency

The participants witnessed how logistics efficiency relies not on manual coordination but on systematic data-driven processes. The use of terminals equipped with tracking systems, barcode-scanning devices, container management software, and real-time dashboards reflected a strong alignment with modern supply chain analytics.

Throughout the visit, the ICD technical team explained the digital architecture supporting their logistics operations. They demonstrated how container status (arrival, placement, inspection, loading, dispatch) is visualized on large screens for decision-makers to monitor operations continuously. Participants observed how such visual intelligence minimizes delays, optimizes labor deployment, and ensures compliance with cargo safety guidelines.

Important reflections from the industry demonstration included:

- Visual analytics significantly improves operational clarity and reduces logistic errors
- Real-time monitoring tools ensure synchronization among multiple stakeholders
- Data-driven forecasting helps manage peak loads and streamline container movement
- Visualization assists managers in identifying bottlenecks and taking timely corrective actions
- Digital transparency enhances accountability across the entire supply chain

Participants also interacted with officials regarding the use of predictive analytics for container arrival patterns, yard planning, and equipment utilization. The team explained how big data and IoT-based monitoring systems are gradually becoming integral to global logistics performance. The industrial visit successfully bridged the gap between classroom analytics concepts and real industry applications, giving participants a clear sense of how data visualization supports strategic and operational decision-making in one of the country's most critical service sectors.

In concluding the visit, participants expressed that the exposure to CONCOR's digital logistics ecosystem significantly deepened their understanding of how analytical tools enable accuracy, timeliness, and efficiency in large-scale industrial environments. The experience underscored the role of analytics beyond academic frameworks showing its direct impact on productivity, profitability, and service excellence.

Day 5 - Session 1
Powering E-Commerce with Data – Strategies for Smarter Decisions

Expert: Ms. Ankita Shrivastava, Engineering Manager, Tata Cliq, Mumbai

Day 5 of the AICTE–ATAL FDP began with a high-energy, industry-focused session led by Ms. Ankita Shrivastava, an accomplished Engineering Manager at Tata Cliq with over 11 years of experience in mobile engineering, data-driven product design, and large-scale digital architecture. Her session, titled "Powering E-Commerce with Data: Strategies for Smarter Decisions," brought a fresh perspective to the FDP by showcasing how data shapes every element of the e-commerce ecosystem from customer journeys to platform optimization.

Ms. Ankita opened the session by explaining that e-commerce today is fundamentally a data business. Every click, scroll, search, and purchase generates valuable behavioral data that allows organizations like Tata Cliq to understand customer intent, optimize product recommendations, and enhance user experience. She emphasized that digital commerce platforms survive and grow by making precise, timely, and analytics-backed decisions.

She gave participants an insider's view of how e-commerce giants operate using data pipelines, tracking ecosystems, and customer analytics models. Her introduction highlighted three foundational principles:

- Customer behavior is the most powerful data source in e-commerce
- Personalization and recommendation systems drive conversion and retention
- Real-time analytics is essential for operational agility and competitive advantage

Understanding the E-Commerce Data Universe

Ms. Ankita provided a detailed overview of how massive amounts of data flow across an e-commerce platform. She explained that platforms like Tata Cliq collect and analyze:

- Customer demographics and behavior
- Browsing and search patterns
- Clickstream data
- Cart abandonment trends
- Wishlists, reviews, and ratings
- Payment and return insights
- Marketing and campaign performance metrics

She emphasized that this multilayered data forms the backbone of analytical decision-making, allowing businesses to predict behavior, segment customers, and deliver personalized shopping journeys.

Role of Data in Enhancing Customer Experience

A major part of the session focused on how data enables personalized and frictionless customer experiences. Ms. Ankita explained that customer expectations have evolved drastically users expect curated product feeds, instant recommendations, intelligent search results, and seamless

digital interactions. She emphasized that every UX improvement is backed by data testing, analytics, and modeling, ensuring that decisions are not based on guesswork but measurable insights.

To meet these expectations, e-commerce uses:

- Recommendation systems powered by collaborative filtering
- AI-driven search engines that predict intent
- User journey mapping using heatmaps and funnel analytics
- A/B testing to validate design and content decisions
- Behavioral segmentation for targeted marketing

Operational Analytics in E-Commerce

Ms. Ankita highlighted that behind the customer-facing interface lies a complex operational engine powered heavily by analytics. She explained that data is used to optimize:

- Supply chain coordination
- Warehouse operations
- Inventory forecasting
- Order management
- Vendor performance evaluation
- Delivery timelines
- Return and refund workflows

Data Governance, Security & Tracking Ecosystems

To help participants understand the technical side of data-driven e-commerce, Ms. Ankita briefly touched upon the importance of:

- Secure data pipelines
- Compliance with data protection norms
- Tracking ecosystems like Adobe, Appsflyer, CleverTap, Firebase
- Monitoring user behavior ethically and transparently

Discussion and Participant Reflections

During the interactive segment, participants asked questions about implementing analytics in small businesses, tracking user journeys, and building analytical models without advanced coding. Ms. Ankita offered practical suggestions, emphasizing that data-driven systems begin with simple tracking and evolve gradually into complex analytical frameworks.

Participants noted:

- The session clarified the real-world power of analytics in digital platforms.
- E-commerce offers excellent examples of analytics-led decision-making frameworks.
- Many strategies discussed can be applied to academic institutions and startups

Day 5 - Session 2
Powering E-Commerce with Data – Strategies for Smarter Decisions

Expert: Ms. Ankita Shrivastava, Engineering Manager, Tata Cliq, Mumbai

In the second session of Day 5, Ms. Ankita extended the conversation into the broader theme of Data-Driven Business Strategies, demonstrating how organizations whether in e-commerce, finance, education, or retail can transform their decision processes using structured analytics frameworks. She began by establishing that data-driven businesses outperform competitors because they make faster, more accurate, and more scalable decisions. She explained that data-driven leaders base their strategies on patterns, evidence, and behavioral insights rather than assumptions. This shift ensures higher customer satisfaction, operational efficiency, and organizational growth.

Principles of a Data-Driven Organization

Ms. Ankita identified core principles that guide successful data-driven organizations. She emphasized that these principles apply across sectors and can be adopted by institutions, startups, and enterprises alike.

Key principles include:

- Data accessibility across teams for informed collaboration
- Single source of truth through integrated data systems
- Continuous experimentation using analytics (A/B testing, pilots)
- Decision transparency through dashboards and KPIs
- Employee capability-building in data literacy
- Cultural shift toward evidence-based decision-making

She highlighted that becoming a data-driven institution is a journey that requires leadership commitment, technological readiness, and process standardization.

Building Business Strategies with Analytics

Ms. Ankita provided a strategic framework for designing data-driven business plans. She explained that analytics influences all key business areas, including:

- Product development
- Customer lifecycle management
- Market expansion
- Pricing strategies
- Marketing and digital outreach
- Revenue forecasting
- Competitive benchmarking
- Customer retention programs

Using practical examples from Tata Cliq's strategy cycles, she showed how teams rely on data to define product roadmaps, assess consumer sentiment, identify friction points, and make investment decisions.

Using KPIs, Dashboards & Predictive Models

A major highlight of the session was the emphasis on Key Performance Indicators (KPIs) as the backbone of business strategy. Ms. Ankita explained that KPIs differ for each business unit and must be aligned with broader organizational goals.

She described how data dashboards empower leaders to track:

- Weekly and monthly sales
- Conversion funnels
- Customer acquisition cost (CAC)
- Lifetime value (LTV)
- Website and app performance
- Delivery SLAs
- Return ratios
- Marketing ROI

Reflections included:

- KPIs make business performance measurable and actionable.
- Predictive analytics helps businesses stay ahead of market shifts.

Transitioning from Traditional to Data-Driven Culture

Ms. Ankita discussed the challenges organizations face when shifting from traditional decision-making to analytics-led culture. She highlighted common obstacles:

- Resistance to data adoption
- Lack of analytical skills
- Fragmented data systems
- Inconsistent tracking mechanisms
- Overreliance on intuition

Interactive Discussion and Takeaways

Participants engaged actively, seeking clarity on practical implementation, tools to start analytics journeys, and ways to map business KPIs to organizational goals. Ms. Ankita shared clear, actionable suggestions and encouraged participants to adopt a gradual, step-by-step analytical approach in their institutions.

Participants reflected:

- Data-driven strategy enhances clarity and accountability.
- Many business strategies can be adapted to educational institutions.
- Leadership support is crucial for analytical transformation.

Day 6 - Session 1

Digital Transformation in Organizations – Ethical Considerations & Data Governance

Expert: Mr. Lokesh Setty, Vice President, JP Morgan Chase & Co., Bengaluru

The final day of the AICTE–ATAL FDP commenced with a deeply insightful and future-oriented session delivered by Mr. Lokesh Shetty, an industry veteran with over 21 years of global experience in digital transformation, enterprise technology, and financial data governance. As Vice President at JP Morgan Chase & Co., Bengaluru, his perspectives reflected real-world practices from one of the world's largest and most technologically advanced financial institutions. His session on "Digital Transformation in Organizations: Ethical Considerations & Data Governance" offered participants a rare blend of technological clarity, strategic foresight, and ethical depth.

Mr. Shetty began by outlining how digital transformation has moved beyond being a corporate initiative or technological upgrade it is now the foundation of organizational survival, competitiveness, and innovation. He emphasized that modern organizations operate in an environment driven by data abundance, automation, AI-driven insights, and digital-first business models. As institutions transform, they must adopt frameworks that ensure transparency, trust, compliance, and ethical responsibility.

Digital Transformation: A Strategic Necessity

Mr. Shetty explained that digital transformation involves far more than adopting new technologies. It requires a complete rethinking of business models, customer engagement strategies, and operational workflows. He highlighted that organizations across sectors finance, retail, education, healthcare, manufacturing must integrate digital systems to remain relevant.

He explained that true digital transformation is built on four pillars:

- Technology Modernization: Cloud platforms, automation, digital workflows
- Data-Driven Decision Making: Using analytics to guide strategy and operations
- Customer-Centric Innovation: Designing solutions around user needs
- Agile Operating Models: Encouraging speed, adaptability, and efficiency

The Role of Data in Digital Transformation

A significant portion of the session was dedicated to explaining how data is the engine that drives modern digital transformation. Mr. Shetty illustrated how JP Morgan handling billions of transactions daily relies on advanced data systems for fraud detection, credit risk modeling, customer experience, and algorithmic decisions. He discussed the evolution of enterprise data ecosystems, highlighting:

- Advanced analytics pipelines
- Real-time dashboards and monitoring systems
- AI/ML-driven decision engines

- Predictive and prescriptive intelligence
- Data lakes and unified enterprise repositories

He emphasized that data is not merely a resource it is a strategic asset that determines competitive advantage.

Participants noted that this segment made clear how data-driven systems enhance accuracy, reduce business risks, and empower decision-makers.

Ethical Considerations in Digital Transformation

Mr. Shetty emphasized that the rise of AI, automation, and data-driven systems brings not just opportunities but also complex ethical challenges. Organizations must ensure fairness, transparency, and accountability when using data, especially in sensitive domains like finance, healthcare, and education. He outlined key ethical considerations that institutions must address:

- Bias in AI Models: Ensuring algorithms do not reinforce unfair patterns
- Transparency in Decision Processes: Communicating how data-driven decisions are made
- User Consent and Data Privacy: Respecting customer autonomy and legal rights
- Responsible Automation: Balancing efficiency with the social impact of workforce displacement
- Digital Equity: Ensuring technological access for all groups

Data Governance: The Backbone of Trust

Transitioning to the second major theme, Mr. Shetty discussed data governance, describing it as the structured management of data to ensure quality, privacy, compliance, and organizational accountability. He highlighted that global corporations like JP Morgan use comprehensive governance frameworks to maintain data integrity and protect customer interests.

He explained that effective data governance involves:

- Data quality standards
- Access control and authorization mechanisms
- Metadata management
- Regulatory compliance (GDPR, RBI guidelines, data protection acts)
- Data lineage and lifecycle tracking
- Risk management protocols

Mr. Shetty emphasized that without strong governance, digital transformation becomes unsustainable and potentially harmful.

Cybersecurity and Risk Management

As data becomes central to organizational functioning, Mr. Shetty highlighted the increasing need for cybersecurity safeguards. He explained how global financial institutions invest heavily in digital defense systems to counter emerging cyber threats.

He highlighted key cybersecurity components:

- Threat detection systems
- Encryption standards and secure channels
- Multi-factor authentication
- Continuous monitoring and red-team testing
- Disaster recovery and business continuity planning

Participants found this segment particularly valuable as cybersecurity is becoming essential even in educational institutions.

Building a Digital-Ready Organizational Culture

Mr. Shetty stressed that digital transformation succeeds not through technology alone but through people and culture. He explained that organizations must shift toward a digital mindset characterized by agility, openness to innovation, and continuous learning.

He identified cultural drivers essential for transformation:

- Digital literacy training for employees
- Cross-functional collaboration
- Openness to experimentation
- Leadership commitment to data-driven decision-making
- Employee empowerment through tools and technology

Discussion, Reflections & Practical Insights

The session concluded with an engaging discussion. Participants raised questions regarding implementing data governance in educational institutions, addressing digital ethics in academic research, and building secure data storage environments.

Mr. Shetty offered actionable recommendations, including:

- Starting with small governance frameworks
- Building faculty and student awareness on data ethics
- Establishing dashboards for academic decision-making
- Creating transparent data policies
- Training teams on digital-first approaches

Participants appreciated his balanced, practical, and experience-based insights.

Hands-on SESSION REPORT

Day 1

Hands-on Training on Microsoft Excel for Data Analysis

Resource Person: ***Mr. Pankaj Verma, Assistant Professor, IPS Academy***

The first day of the FDP commenced with an intensive hands-on session delivered by Mr. Pankaj Verma, who focused on enhancing participants' foundational and intermediate data-handling skills using Microsoft Excel. The session emphasized the importance of data preprocessing as a crucial step in any data-driven decision-making process. Mr. Verma provided comprehensive training on a variety of essential Excel tools, beginning with data validation techniques, which enable users to restrict and control input for improved data consistency. He then moved to data filtering and sorting, equipping participants with the ability to classify, segment, and analyze datasets efficiently. A major highlight of the session was the practical demonstration of Pivot Tables, where participants learned to summarize, aggregate, and compare large volumes of data with ease. Additional tools related to data cleaning, error handling, text functions, and conditional formatting were also covered, enabling participants to transform raw datasets into structured, usable information.

The session concluded with live practice exercises, allowing participants to apply each tool in real-time, thereby strengthening their operational proficiency in Excel as a data analytics tool.

Day 2

Hands-on Training on Power BI for Business Intelligence

Resource Person: ***Ms. Shrutika Nigam, Assistant Professor, IPS Academy***

Day 2 was dedicated to exploring Power BI, one of the most widely used tools for business intelligence and dynamic reporting. Ms. Shrutika Nigam led an engaging and highly practical session that introduced participants to the complete workflow of Power BI from data import and transformation to visualization and reporting. Participants were trained in Power Query operations, enabling them to clean, reshape, and prepare datasets using an efficient and automated ETL process. Ms. Nigam demonstrated how to build interactive dashboards using charts, slicers, cards, and KPI indicators, emphasizing how visual analytics support strategic decision-making. Additionally, the session covered data modeling, relationships between tables, and an introduction to DAX (Data Analysis Expressions) for performing calculated measures and columns. Participants appreciated the clarity and simplicity with which complex BI concepts were explained.

Hands-on exercises allowed them to build their own dashboards and generate insights from realistic business datasets. By the end of the session, participants were equipped with the ability to design and publish visually compelling reports.

Day 3

Bibliometric Analysis for Research-Based Decision Making

Resource Person: ***Dr. Arpan Shrivastava, Associate Professor & FDP Coordinator, IPS Academy***

Day 3 brought an academically enriched session focusing on bibliometric analysis, a powerful method for extracting patterns, trends, and insights from large volumes of research publications. Delivered by Dr. Arpan Shrivastava, the session provided a scholarly perspective on how bibliometric tools can be used to support evidence-based research planning and strategic academic decisions. Dr. Shrivastava guided participants through the use of tools such as VOSviewer and Bibliometrix, explaining how to conduct performance analysis, co-authorship analysis, keyword mapping, and citation analysis. Participants gained insights into identifying research gaps, tracking intellectual structures, and visualizing thematic evolution within specific domains.

The hands-on component enabled participants to import Scopus/Web of Science datasets, run bibliometric scripts, and generate knowledge maps. The session successfully bridged the connection between data analytics and academic research, demonstrating how data-driven insights can reinforce quality research and institutional strategy.

Day 4

Hands-on Training on Tableau for Visual Analytics

Resource Person: ***Ms. Ankita Shrivastava, Engineering Manager, Tata CliQ***

The fourth day focused on strengthening participants' knowledge of advanced visual analytics through Tableau, one of the leading platforms for data visualization. Ms. Ankita Shrivastava delivered an impactful hands-on session, demonstrating how Tableau can transform complex datasets into interactive and meaningful visual stories. The session covered essential Tableau functionalities including data connections, joins, sorting, filters, parameters, calculated fields, and dashboard creation. Participants learned how to build a variety of visualizations such as heat maps, tree maps, line charts, bar charts, and geographical maps. Ms. Shrivastava also emphasized best practices in dashboard design, such as maintaining clarity, minimizing clutter, and ensuring decision-oriented visualization layouts. Through guided practice exercises, participants created fully-functional dashboards and learned techniques to share, publish, and embed their analytical outputs.

The session was highly appreciated for its real-world orientation and clarity in delivering advanced content in an accessible manner.

Photographs of the FDP


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Knowledge Village, Rajendra Nagar , A.b Road, Bijalpur,
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Data Analytics


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19 Nov 2025 - Page 13

छह दिवसीय अटल फैकल्टी डेवलपमेंट कार्यक्रम 24 से

डाटा ड्रिवन स्ट्रैटेजिक प्लानिंग एंड डिसिजन मेकिंग पर होगा संवाद

खुलासा फर्स्ट...इंदौर

आईपीएस एकेडमी. इंस्टिट्यूट ऑफ बिजनेस मैनेजमेंट एंड रिसर्च में 24 नवंबर से एआईसीटीई द्वारा प्रायोजित छह दिवसीय फैकल्टी डेवलपमेंट प्रोग्राम का आयोजन होगा। विषय 'डाटा ड्रिवन स्ट्रेटेजिक प्लानिंग एण्ड डिसिजन मेकिंग' है। यह प्रोग्राम सभी प्रतिभागियों के लिए निःशुल्क है। आयोजक आईपीएस एकेडमी, आईबीएमआर इंदौर एवं अटल (एआईसीटीई ट्रेनिंग एण्ड लर्निंग ऐकेडमी, नई दिल्ली) हैं। आईपीएस एकेडमी के संस्थापक योगेंद्र जैन, कार्यकारी निदेशक निशित जैन एवं निधि जैन ने बताया आज की दुनिया डाटा आधारित अनुसंधान पर आश्रित होती जा रही है। शिक्षकों, विद्यार्थियों एवं शोधार्थियों के लिए आवश्यक है वे स्ट्रेटेजिक प्लानिंग में डाटा की अनिर्वायता को समझ कर विभिन्न टूल का उपयोग डाटा विश्लेषण प्रभावशाली ढंग से कर सके। निदेशक डॉ. विवेकसिंह कुशवाह ने बताया कार्यशाला में नई शिक्षा नीति 2020 के अनुरूप प्रशिक्षण के लिए विषय विशेषज्ञ डॉ. विनय गोयल- एसपी जैन इंस्टीट्यूट ऑफ मैनेजमेंट एंड रिसर्च, मुंबई. डॉ. वंदित हेडाउ-स्कूल ऑफ डाटा सांईस, डीएवीवी, डॉ. प्रतीक शर्मा डीन ग्लोबल स्टट्रीज प्रेस्टीज इंस्टीट्यूट ऑफ मैनेजमेंट एंड रिसर्च इंदौर, डॉ. लोकेश शेट्टी-वाइस प्रेसिडेंट जेपी मॉरगन चेस एंड कंपनी बेंगलुरु, डॉ. अंकिता श्रीवास्तव-इंजीनियरिंग मैनेजर, टाटा क्लिक मुंबई, मुस्तफा आसिफ सीनियर रिस्क एनालिस्ट ओएसबी इंडिया प्रालि. बेंगलुरु आमंत्रित हैं। वे डाटा से संबंधित विषय फंडामेंटल ऑफ डाटा ड्रिवन स्ट्रेटेजी, डाटा एनालिसिस टूल्स एंड टेक्निक्स, एप्लीकेशन इन स्ट्रैटेजिक डिसिजन मेकिंग, केस स्टडी एंड इंडस्ट्रीज पर व्याख्यान देंगे।

आई.पी.एस. एकेडमी, आई.बी.एम.आर. इंदौर में अटल फेकल्टी डेवलपमेंट कार्यक्रम का आयोजन

इंदौर। आई.पी.एस. एकेडमी. इंस्टीट्यूट ऑफ बिजनेस मेनेजमेंट एंड रिसर्च, इंदौर में 24 से 29 नंवबर 2025 के दौरान ए.आई.सी.टी.ई. नई दिल्ली द्वारा प्रायोजित छ : दिवसीय फेकल्टी डेवलपमेंट प्रोग्राम का आयोजन किया जा रहा है। इस कार्यशाला का विषय डाटा ड्रिवन स्ट्रेटेजिक प्लानिंग एण्ड डिसिजन मेकिंग है। यह प्रोग्राम सभी प्रतिभागियों के लिए नि :शुल्क है तथा आई.पी.एस. एकेडमी, आई.बी.एम. आर. इंदौर एवं अटल (ए.आई.सी.टी.ई. ट्रेनिंग एण्ड लर्निंग ऐकेडमी, नई दिल्ली) द्वारा संयुक्त तत्वावधान में प्रायोजित हो रहा हैं। संस्था के संस्थापक योगेन्द्र जैन, कार्यकारी निदेशक निशित जैन एवं सुश्री निधि जैन ने बताया कि आज की दुनिया डाटा आधारित अनुसंधान पर आश्रित होती जा रही है। शिक्षकों, विद्यार्थियों एवं शोधार्थियों के लिए आवश्यक है कि वे स्ट्रेटेजिक प्लानिंग में डाटा कि अनिर्वायता को समझ कर विभिन्न टूल का उपयोग डाटा विश्लेषण में प्रभावशाली ढंग से कर सके। संस्था के निदेशक डॉ. विवेक सिंह कुशवाह ने बताया कि इस कार्यशाला में नई शिक्षा नीति 2020 के अनुरूप प्रशिक्षण प्रदान करने के लिए विषय विशेषज्ञ के रूप में अंतर्राष्ट्रीय एवं राष्ट्रीय स्तर के विशेषज्ञ एवं शिक्षाविद् संबोधित करेंगे। इनमें प्रमुख है डॉ. विनय गोयल- एस.पी. जैन इंस्टीट्यूट ऑफ मेनेजमेंट एण्ड रिसर्च, मुंबई. डॉ. वंदित हेडाउ-स्कूल ऑफ डाटा सांईस, दे.अ.वि.वि.इंदौर, डॉ. प्रतीक शर्मा डीन ग्लोबल स्टट्रीज प्रेस्टीज इंस्टीट्यूट ऑफ मेनेजमेंट एण्ड रिसर्च, इंदौर, डॉ. लोकेश शेट्टी-वाईस प्रेसिडेंट जे. पी. मॉरगन चेस एण्ड कंपनी बँगलोर, डॉ. अंकिता श्रीवास्तव-इंजीनियरिंग मैनेजर, टाटा क्लिक मुंबई, मुस्तफा आसिफ सीनियर रिस्क एनालिस्ट, ओ.एस.बी. इंडिया प्रा.लि. बँगलोर आदि डाटा से संबंधित विषय फंडामेंटल ऑफ डाटा ड्रिवन स्ट्रेटेजी, डाटा एनालिसिस टूलस् एण्ड टेक्निक्स, एप्लीकेशन इन स्ट्रेटेजिक डिसिजन मेकिंग, केस स्टेडी एण्ड इण्डस्ट्रीज पर व्याख्यान देंगे। कार्यक्रम के संयोजक डॉ. अर्पण श्रीवास्तव एवं सहसंयोजक डॉ. विनोद मिश्रा हैं।

अटल फेकल्टी डेवलपमेंट कार्यक्रम

इन्दौर (सिटी ब्लास्ट न.प्र.)। आई.पी.एस. एकेडमी. इंस्टीट्यूट ऑफ बिजनेस मैनेजमेंट एंड रिसर्च, इंदौर में 24 से 29 नंवबर के दौरान ए.आई.सी.टी.ई. नई दिल्ली द्वारा प्रायोजित छः दिवसीय फेकल्टी डेवलपमेंट प्रोग्राम का आयोजन किया जा रहा है। इस कार्यशाला का विषय 'डाटा ड्रिवन स्ट्रेटेजिक प्लानिंग एण्ड डिसिजन मेकिंग है। यह प्रोग्राम सभी प्रतिभागियों के लिए निःशुल्क है।

दैनिक भास्कर **इंदौर सिटी भास्कर** 22-11-2025

अजीब-सा दिखने वाली चीज उन्हें लुभाने के लि

आईपीएस में एफडीपी 24 से

इंदौर • आईपीएस एकेडमी इंस्टिट्यूट ऑफ बिजनेस मैनेजमेंट एंड रिसर्च, इंदौर में 24 से 29 नवंबर तक एआईसीटीई नई दिल्ली द्वारा प्रायोजित छः दिनी फैकल्टी डेवलपमेंट प्रोग्राम का आयोजन किया जा रहा है। इस कार्यशाला का विषय 'डाटा ड्रिवन स्ट्रेटेजिक प्लानिंग एंड डिसीजन मेकिंग' है। संस्था के संस्थापक योगेन्द्र जैन ने बताया कि इस कार्यशाला में नई शिक्षा नीति के अनुरूप प्रशिक्षण प्रदान करने के लिए विषय विशेषज्ञ के रूप में अंतरराष्ट्रीय एवं राष्ट्रीय स्तर के विशेषज्ञ एवं शिक्षाविद् संबोधित करेंगे। प्रोग्राम सभी प्रतिभागियों के लिए निःशुल्क है।

डेटा की जरुरत और इस्तेमाल पर बात

इंदौर। इंस्टीट्यूट ऑफ बिजनेस मैनेजमेंट एंड रिसर्च, इंदौर में 24 से 29 नवंबर तक छह दिनी फैकल्टी डेवलपमेंट कार्यक्रम होगा। 'डाटा ड्रिवन स्ट्रेटेजिक प्लानिंग एंड डिसिजन मेकिंग' विषय पर कार्यशाला होगी। एआईसीटीई नई दिल्ली की मदद से हो रहे इस आयोजन में डाटा की जरूरत और इस्तेमाल के तरीकों पर बात होगी। फाउंडर योगेन्द्र जैन, कार्यकारी निदेशक निशित जैन, निधि जैन, निदेशक डॉ. विवेकसिंह कुशवाह ने बताया कि नई शिक्षा नीति के मुताबिक छात्रों को ट्रेनिंग कैसे दी जाए, इस पर जानकार राय देंगे।

इंदौर, गुरुवार 4 दिसंबर 2025 07

अटल फेकल्टी डेवलपमेंट प्रोग्राम

इंदौर ● सिटी ब्लास्ट प्रतिनिधि।

आई.पी.एस. एकेडमी के आई.बी.एम.आर. विभाग में छह दिवसीय अटल फेकल्टी डेवलपमेंट प्रोग्राम का समापन हुआ। कार्यक्रम में विभिन्न प्रतिष्ठित संस्थानों के विषय विशेषज्ञों ने आधुनिक व्यावसायिक जगत में डेटा की बढ़ती भूमिका पर विस्तृत चर्चा की।

प्रभातकिरण
4 इंदौर, गुरुवार 04 दिसंबर 2025

'सही फैसलों के लिए मजबूत डेटा बुनियाद जरुरी'

इंदौर। आईबीएमआर विभाग ने 6 दिनी अटल फैकेल्टी डेवलपमेंट कार्यक्रम किया। देश के कई शिक्षा संस्थानों से जानकार जुटे। कारोबार में डाटा की बढ़ती जरूरतों पर बात की गई। बेंगलुरु की जेपी मॉर्गन चेस एंड कंपनी के उपाध्यक्ष डॉक्टर लोकेश शेट्टी ने कहा कि आज के एडवांस दौर में फैसला लेने का तरीका पूरी तरह से डाटा की बुनियाद पर आ चुका है। सटीक डाटा जुटाना और सही फैसला लेना सबसे मजबूत आधार है। एसपी जैन इंस्टिट्यूट ऑफ़ मैनेजमेंट एंड रिसर्च मुंबई के डॉक्टर विनय गोयल ने डाटा तकनीक और बिजनेस इंटेलिजेंस टूल्स के इस्तेमाल पर बात की। डॉक्टर वंदित हेडाऊ, डॉ प्रतीक शर्मा भी शामिल हुए।

सटीक डेटा संग्रहण और विश्लेषण, प्रभावी और कुशल निर्णय लेने का सबसे मजबूत आधार

इंदौर, आई.पी.एस. एकेडमी के आई.बी.एम.आर. विभाग में छह दिवसीय अटल फेकल्टी डेवलपमेंट प्रोग्राम का सफलतापूर्वक समापन हुआ। कार्यक्रम में विभिन्न प्रतिष्ठित संस्थानों के विषय विशेषज्ञों ने आधुनिक व्यावसायिक जगत में डेटा की बढ़ती भूमिका पर विस्तृत चर्चा की।

समापन सत्र को संबोधित करते हुए जे.पी. मॉर्गन चेस एंड कंपनी, बैंगलोर के वाइस प्रेसिडेंट डॉ. लोकेश शेट्टी ने कहा कि आधुनिक समय में निर्णय प्रणाली पूरी तरह डेटा आधारित हो चुकी है। सटीक डेटा संग्रहण और विश्लेषण, प्रभावी और कुशल निर्णय लेने का सबसे मजबूत आधार है।

उन्होंने बताया कि डेटा-ड्रिवन डिसिजन मेकिंग आज के प्रबंधकों को अधिक प्रभावी और परिणाम-केंद्रित बनाती है।

एस. पी. जैन इंस्टीट्यूट ऑफ मैनेजमेंट एंड रिसर्च, मुंबई के डॉ. विनय गोयल ने आधुनिक डेटा विश्लेषण तकनीकों और बिजनेस इंटेलिजेंस टूल्स के प्रायोगिक उपयोग पर प्रकाश डालते हुए कहा कि प्रतिस्पर्धी माहौल में डेटा विज्ञान व्यावसायिक सफलता का प्रमुख हथियार बन चुका है।

देवी अहिल्या विश्वविद्यालय, इंदौर के स्कूल ऑफ डेटा साइंस के विशेषज्ञ डॉ. वंदित हेडाउ ने कहा कि आज के कारोबारी परिवेश में डेटा एक रणनीतिक संसाधन बन गया है। उन्होंने विभिन्न औद्योगिक केस स्टडीज के माध्यम से डेटा एनालिसिस, आर्टिफिशियल इंटेलिजेंस और कई आधुनिक टूल्स के व्यावहारिक उपयोग को समझाया।

प्रेस्टीज इंस्टीट्यूट ऑफ मैनेजमेंट एंड रिसर्च, इंदौर के डीन ग्लोबल स्टडीज डॉ. प्रतीक शर्मा ने डेटा एनालिटिक्स को वित्तीय संसाधनों के उत्तम प्रबंधन का प्रभावी साधन बताते हुए कहा कि वित्तीय योजना, बजटिंग और निवेश प्रबंधन जैसे जटिल निर्णयों में डेटा साइंस महत्वपूर्ण भूमिका निभा रही है। कई संस्थान इन आधुनिक तकनीकों का इस्तेमाल कर अपने वित्तीय संसाधनों में उल्लेखनीय वृद्धि कर रहे हैं।

कार्यक्रम के अंत में प्रतिभागियों ने आयोजन टीम का आभार व्यक्त किया और बताया कि यह प्रशिक्षण उनके अध्यापन एवं शोध कार्य को और अधिक सशक्त बनाएगा।

खुलासा फर्स्ट
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04 Dec 2025 - Page 16

आईबीएमआर में अटल फैकल्टी डेवलपमेंट प्रोग्राम

डेटा संग्रहण और सटीक विश्लेषण प्रभावी निर्णय का आधार : डॉ. शेट्टी

खुलासा फर्स्ट...इंदौर

आईपीएस एकेडमी के आईबीएमआर विभाग में छह दिवसीय अटल फेकल्टी डेवलपमेंट प्रोग्राम का सफलत आयोजन हुआ। प्रतिष्ठित संस्थानों के विषय विशेषज्ञों ने आधुनिक व्यावसायिक जगत में डेटा की बढ़ती भूमिका पर विस्तृत चर्चा की। समापन सत्र में जेपी मॉर्गन चेस एंड कंपनी बैंगलोर के वाइस प्रेसिडेंट डॉ. लोकेश शेट्टी ने कहा निर्णय प्रणाली पूरी तरह डेटा आधारित हो चुकी है।

सटीक डेटा संग्रहण और विश्लेषण, प्रभावी और कुशल निर्णय लेने का सबसे मजबूत आधार है। डेटा-ड्रिवन डिसिजन मेकिंग प्रबंधकों को अधिक प्रभावी और परिणाम-केंद्रित बनाती है। एसपी जैन इंस्टीट्यूट ऑफ मैनेजमेंट एंड रिसर्च मुंबई के डॉ. विनय गोयल ने आधुनिक डेटा विश्लेषण तकनीकों और बिजनेस इंटेलिजेंस टूल्स के प्रायोगिक उपयोग पर प्रकाश डालते हुए कहा प्रतिस्पर्धी माहौल में डेटा विज्ञान व्यावसायिक सफलता का प्रमुख हथियार बन चुका है।

डेटा रणनीतिक संसाधन: हेडाऊ डीएविवि के स्कूल ऑफ डेटा साइंस के विशेषज्ञ डॉ. वंदित हेडाऊ ने कहा आज कारोबारी परिवेश में डेटा रणनीतिक संसाधन बन गया है।

उन्होंने विभिन्न औद्योगिक केस स्टडीज के माध्यम से डेटा एनालिसिस, आर्टिफिशियल इंटेलिजेंस और कई आधुनिक टूल्स के व्यावहारिक उपयोग को समझाया। प्रेस्टीज इंस्टीट्यूट ऑफ मैनेजमेंट एंड रिसर्च इंदौर के डीन ग्लोबल स्टडीज डॉ. प्रतीक शर्मा ने डेटा एनालिटिक्स को वित्तीय संसाधनों के उत्तम प्रबंधन का प्रभावी साधन बताते हुए कहा वित्तीय योजना, बजटिंग और निवेश प्रबंधन जैसे जटिल निर्णयों में डेटा साइंस महत्वपूर्ण भूमिका निभा रही है।

IPS अकादमी में अटल फेकल्टी डेवलपमेंट प्रोग्राम का समापन

सटीक डेटा संग्रहण और विश्लेषण, प्रभावी और कुशल निर्णय लेने का आधार

पीपुल्स संवाददाता ● इंदौर

मो.नं. 9981382813

आईपीएस एकेडमी के आईबीएमआर विभाग में छह दिवसीय अटल फेकल्टी डेवलपमेंट प्रोग्राम का सफलतापूर्वक समापन हुआ। कार्यक्रम में विषय विशेषज्ञों ने आधुनिक व्यावसायिक जगत में डेटा की बढ़ती भूमिका पर विस्तृत चर्चा की। समापन सत्र को संबोधित करते हुए जेपी मॉर्गन चेस एंड कंपनी, बैंगलोर के वाइस प्रेसिडेंट डॉ. लोकेश शेट्टी ने कहा कि "आधुनिक समय में निर्णय प्रणाली पूरी तरह डेटा आधारित हो चुकी है। सटीक डेटा संग्रहण और विश्लेषण, प्रभावी और कुशल निर्णय लेने का सबसे मजबूत आधार है।" उन्होंने बताया कि डेटा-ड्रिवन डिसिजन मेकिंग आज के प्रबंधकों को अधिक प्रभावी और परिणाम-केंद्रित बनाती है।

एसपी जैन इंस्टीट्यूट ऑफ मैनेजमेंट एंड रिसर्च, मुंबई के डॉ. विनय गोयल ने आधुनिक डेटा विश्लेषण तकनीकों और बिजनेस इंटेलिजेंस टूल्स के प्रायोगिक उपयोग पर प्रकाश डालते हुए कहा कि प्रतिस्पर्धी माहौल में डेटा विज्ञान व्यावसायिक सफलता का प्रमुख हथियार बन चुका है। देवी अहिल्या विश्वविद्यालय, इंदौर के स्कूल ऑफ डेटा साइंस के विशेषज्ञ डॉ. वंदित हेडाउ ने कहा कि आज के कारोबारी परिवेश में डेटा एक रणनीतिक संसाधन बन गया है। उन्होंने विभिन्न औद्योगिक केस स्टडीज के माध्यम से डेटा एनालिसिस, आर्टिफिशियल इंटेलिजेंस और कई आधुनिक टूल्स के व्यावहारिक उपयोग को समझाया।

प्रेस्टीज इंस्टीट्यूट ऑफ मैनेजमेंट एंड रिसर्च, इंदौर के डीन ग्लोबल स्टडीज डॉ. प्रतीक शर्मा ने डेटा एनालिटिक्स को वित्तीय संसाधनों के उत्तम प्रबंधन का प्रभावी साधन बताते हुए कहा कि वित्तीय योजना, बजटिंग और निवेश प्रबंधन जैसे जटिल निर्णयों में डेटा साइंस महत्वपूर्ण भूमिका निभा रही है। कई संस्थान इन आधुनिक तकनीकों का इस्तेमाल कर अपने वित्तीय संसाधनों में उल्लेखनीय वृद्धि कर रहे हैं।

List of Participants

List of Approved Participants

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YouTube Link for FDP Sessions

YouTube Link for the FDP Sessions

Session 1

Session Topic: Foundations of Data Analytics and Business Intelligence
Resource Person: Dr. Vinay Goyal
Professor, SPJIMR Mumbai
Link: https://youtu.be/K6-HO5Fvfmo

Session 2

Session Topic: Applications in Strategic Decision-Making & Behavioral Analytics, Risk Assessment and Financial Forecasting
Resource Person: Dr. Vinay Goyal
Professor, SPJIMR Mumbai
Link: https://youtu.be/5fBWjBz0_nM

Session 3

Session Topic: Foundations of Tools and Techniques for Data Analysis
Resource Person: Dr. Vandit Hedau
Associate Professor, School of Data Science, Devi Ahilya Vishwavidyalaya (DAVV), Indore
Link: https://youtu.be/jk_prDagIok

Session 4

Session Topic: Practical Approaches, Statistical Techniques, and Applied Data Analysis
Resource Person: Dr. Vandit Hedau
Associate Professor, School of Data Science, Devi Ahilya Vishwavidyalaya (DAVV), Indore
Link: https://youtu.be/0HXL5C7V7Z0

Session 5

Session Topic: Unlocking Insights – The Power of Data Analytics
Resource Person: Mr. Mustafa Asif
Sr. Risk Analyst, OSB India Pvt. Ltd., Beng
Link: https://youtu.be/ZyRM5c8PeBg

Session 6

Session Topic: Data-Driven Decision-Making in Academia and Institutional Planning
Resource Person: Dr. Prateek Sharma
Dean, Global Studies, PIMR Indore
Link: https://youtu.be/tF1Il6xc06w

Session 7

Session Topic: Student Performance Analytics, Curriculum Development & Research Impact Measurement
Resource Person: Dr. Prateek Sharma
Dean, Global Studies, PIMR Indore
Link: https://youtu.be/hLjRrEDCGAk

Session 8

Session Topic: Powering E-Commerce with Data – Strategies for Smarter Decisions
Resource Person: Ms. Ankita Shrivastava
Engineering Manager, Tata Cliq, Mumbai
Link: https://youtu.be/J2ECltg7MjI

Session 9

Session Topic: Powering E-Commerce with Data – Strategies for Smarter Decisions
Resource Person: Ms. Ankita Shrivastava
Engineering Manager, Tata Cliq, Mumbai
Link: https://youtu.be/eXCz9PiGCzc

Session 10

Session Topic: Digital Transformation in Organizations – Ethical Considerations & Data Governance
Resource Person: Mr. Lokesh Setty
Vice President, JP Morgan Chase & Co., Bengaluru
Link: https://youtu.be/C5zpOX934Qs

Participants' Feedback

Feedback for FDP on Data-Driven Strategic Planning and Decision Making

External Inbox ×

Neha Shukla <bba.nehashukla@gmail.com> Tue, Dec 2, 4:40 PM (10 days ago)
to me

Dear Sir,

Please find below the feedback:

The FDP was very informative and well-organized, with clear explanations and easy-to-understand sessions. The speakers were knowledgeable and used simple language, supported by helpful examples and demonstrations that made complex topics easy to follow. I gained practical ideas on using data analytics in my work, research, teaching, and PhD, and learned new tools and techniques that will support my academic growth. The overall program was well-managed, with smooth communication, timely sessions, and good coordination.

Thanks and regards,
Neha Pandey

Thanks a lot for the feedback. | Thanks a lot for sharing. | Thanks, I have received it.

Reply | Forward

54 of 5,520

feedback

External Inbox ×

RASHMI JAIN Thu, Dec 4, 9:26 AM (8 days ago)
to me

Dear Sir

I had the opportunity to participate in the six days faculty development programme on Data Driven Strategic Planning and Decision Making organised by IPS Academy IBMR Indore dated 24th November to 29th November 2025. The FDP covered a balanced mix of theory sessions ,practical demonstration with relevant case studies, Industry visit and hands on exercises.
The resource persons were highly knowledgeable and experienced .They delivered complex concepts in a simple and engaging manner.
Hands-on training sessions enhance practical understanding and improve confidence in using Data Analytics tools.
I gained exposure to real world decision making approaches using analytics..Practical skills in Tableau and Power BI for Visualization.Improved understanding of data in strategic planning.
The FDP was well coordinated with timely communication ,structured schedules and smooth conduct of sessions .The coordinators ensured technical support throughout the hands on modules ,learning materials and PPTs shared promptly.
I sincerely appreciate the efforts of the organizers,coordinators and resource persons for conducting such a meaningful and relevant FDP..

Regards
Dr Rashmi Jain
Associate Professor
IPS Academy IBMR Indore

FDP 24th-29th Nov 2025 Feedback

External Inbox ×

Shreya Sharma <20caiishreyasharma49@gmail.com> Thu, Dec 4, 3:34 PM (8 days ago)
to me

Respected Sir,

I hope this email finds you well. I wanted to extend my sincere appreciation for the Faculty Development Program held from November 24th to 29th on "Data Driven Strategic Planning and Decision Making". The program was incredibly enriching and well-structured.

The speakers were very engaging and did an excellent job of escalating our knowledge from foundational concepts to advanced levels gradually. The hands-on training sessions on tools like Tableau, Power BI, and Pivot Table were particularly valuable, providing us with practical skills in data analytics.

We gained insightful perspectives not only on academics and data analysis but also on the broad applications of data analytics in e-commerce, academics, finance, and marketing – the "360-degree horizon" of data analytics was truly eye-opening.

Overall, the program was a great learning experience, and I believe it will significantly enhance our teaching and research capabilities. Thank you for organizing such a thoughtful and impactful event.

Best regards,

Shreya Sharma

Sample Certificates

ATAL/2025/1763801732

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AICTE Training and Learning (ATAL) Academy

Certificate

It is certified that ***Mrs. Shweta Kulkarni, Faculty members of the AICTE approved institutions*** *of* ***IPS Academy, Institute of Business Management & Research, Indore*** *has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on* ***Data-Driven Strategic Planning & Decision-Making*** *at* ***IPS ACADEMY INDORE*** *from* ***24/11/2025*** *to* ***29/11/2025.***

Arpan Shrivastav
Associate Professor Level (AICTE Institute), Coordinator
IPS ACADEMY INDORE

Dr. Sunil Luthra
Director & Bureau Head
Training and Learning Bureau, AICTE

ATAL/2025/1763810628

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Nelson Mandela Marg, Vasant Kunj, New Delhi -110070

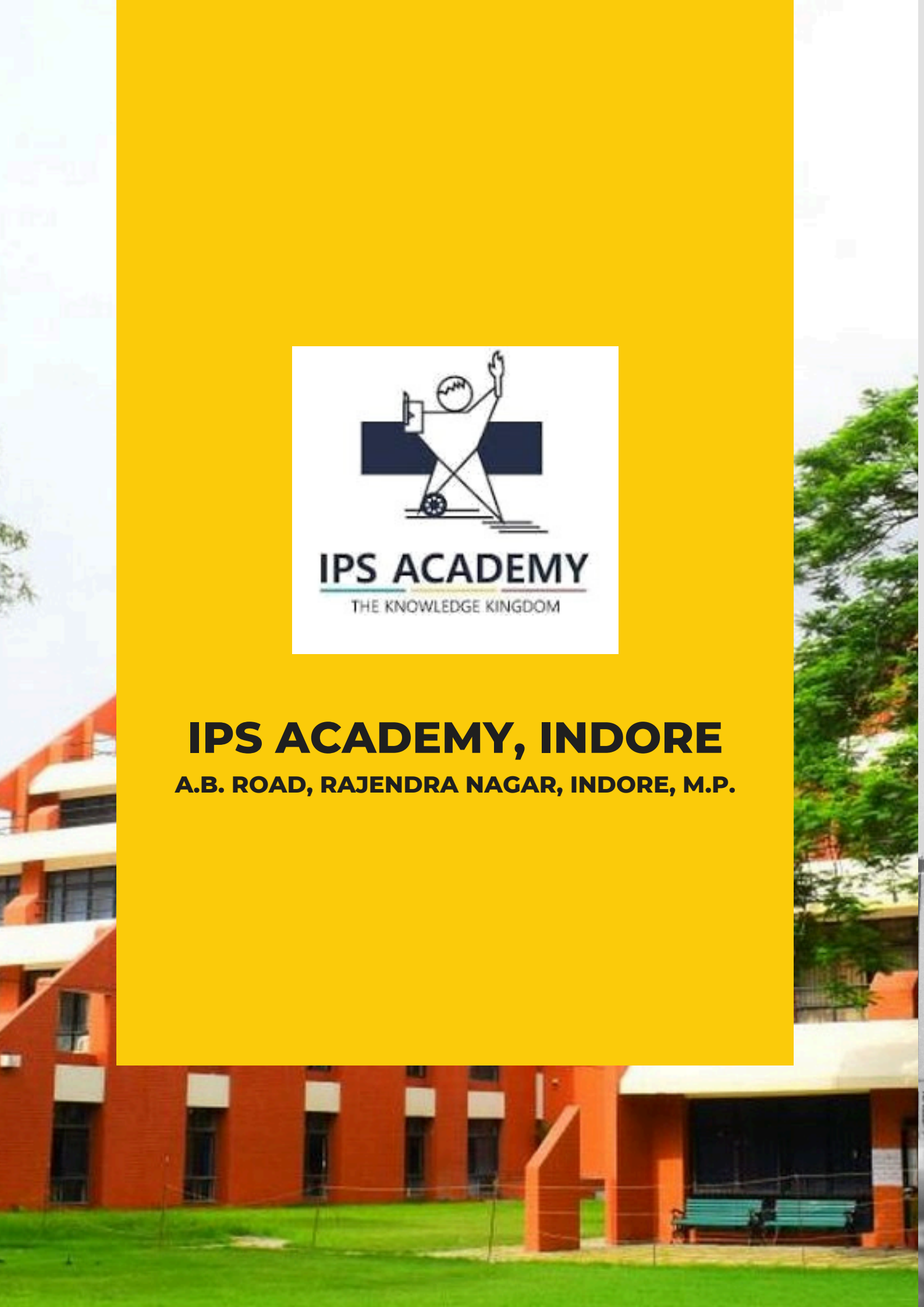
AICTE Training and Learning (ATAL) Academy

Certificate

It is certified that ***Dr. Dr Rashmi Jain, Associate Professor*** *of* ***IPS Academy IBMR Indore*** *has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on* ***Data-Driven Strategic Planning & Decision-Making*** *at* ***IPS ACADEMY INDORE*** *from* ***24/11/2025*** *to* ***29/11/2025.***

Arpan Shrivastav
Associate Professor Level (AICTE Institute), Coordinator
IPS ACADEMY INDORE

Dr. Sunil Luthra
Director & Bureau Head
Training and Learning Bureau, AICTE



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