

CIRCULAR

From: IIMRU Academics
Sent: 08 November 2024 05:10 PM
To: MBAHM 28; MBAPM 15; MBADM 3
Cc: Himadri Sinha; Sanjay Gupta; Saurabh Kumar; IIMMR Registrar; Hitendra Singh Rathore
Subject: MBA 2nd Year: Value Added Courses (VAC) Selection and Schedule

Dear Students,

We are pleased to announce that Value Added Courses (VAC) for MBA second-year students will run from **December 7, 2024.**

Please find key details below:

Schedule and Credits

- **Class Dates:** First and third Saturdays — December 7, December 21, January 4, January 18, and February 1, 2025. (24-25)
- **Credits:** Each course is worth 1.5 credits, which will be added to your credit bank as additional credit apart from regular MBA credit courses.

Assessment Structure

- **Continuous Assessment:** 30%
- **Mid-term Test:** 20%
- **End-term Exam:** 50%

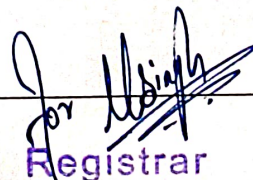
VAC Course Options

Sl. No.	Value Added Course	Faculty
1	Power BI for Public Health: Crafting Custom Dashboards and Real-Time Insights.	Dr. Vidya Bhusan Tripathy
2	Dynamic Dashboard and data visualization using Excel	Dr. Swapnil Gadhave
3	Advanced statistics tools for data science	Mr. Ashish Bandhu
4	Blockchain Technology for Smart Contracts in Healthcare and Pharmaceutical Sector: Automation and Efficiency	Dr. Ashok Peepliwal
5	Decision Intelligence: using data science to make a better decision	Dr. Anupam Mehrotra

Important Notes

- **Selection Window:** Opens on **Monday, November 11, at 1 PM** and closes on **Thursday, November 14, at 4 PM.** Please select one course of interest.
- **Attendance Requirement:** Minimum 75% attendance is mandatory.
- **No Course Changes Allowed:** Once chosen, course selection cannot be altered.

Best regards, Academic Office


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Course Title	Course Code	Duration of Course	Academic Year
Dynamic Dashboard and data visualization using Excel	VAC-034	35 Hours	2024-25

MBA Hospital and Health Management
MBA Pharmaceutical Management
MBA Development Management
2024-25

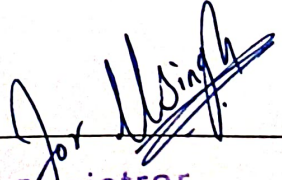


Dynamic Dashboard and data visualization using Excel.

Course Plan

Course Coordinator & Instructor
Dr Swapnil Gadhave

Course Instructor :- Dr Swapnil Gadhave


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1. Program Outcome (PO)

- PO 1** Apply advance knowledge of the healthcare analytics to foster culture of creativity and innovation in healthcare industry.
- PO 2** Understand data-driven strategies for efficient planning, execution, and evaluation of healthcare programs, both institutional and community-based.
- PO 3** Apply data management skills to efficiently manage healthcare data, including Electronic Health Records (EHR) and Health Management Information Systems (HMIS), ensuring accurate record-keeping and secure data access for addressing complex problems in healthcare and hospital management.
- PO 4** Analyze and apply a strategic perspective in healthcare management, including supply chain analytics, healthcare information systems, clinical data management, risk management, ethics, and data compliance.
- PO 5** Develop expertise in harnessing the potential of big data for healthcare, enabling the analysis of vast datasets to derive valuable insights for healthcare management and decision support.
- PO 6** Create collaboration with industry and public health institutions to enhance professional exposure

2. Course Description

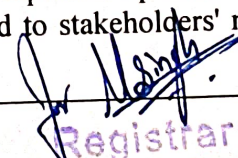
Dynamic Dashboard and Data Visualization Using Excel involves the creation, design, and application of interactive and visually compelling dashboards to analyze and interpret data in the healthcare sector. This course equips students with the tools and techniques to effectively transform complex datasets into actionable insights, utilizing Excel's advanced features for healthcare analytics. It focuses on key aspects such as data modeling, visualization best practices, and the development of dynamic dashboards tailored for decision-making in healthcare management.

Students will explore methodologies to create intuitive visual representations, automate data analysis processes, and enhance data storytelling to address challenges in public health, hospital administration, and clinical research. The course emphasizes practical applications, enabling students to apply their learning to real-world scenarios in healthcare and hospital operations. Additionally, it is designed to cultivate a deeper understanding of data visualization principles, empowering students to bridge the gap between raw data and informed decision-making in healthcare analytics.

3. Course Objective

The objective of Dynamic Dashboard and Data Visualization using Excel is to develop students' competencies in creating dynamic dashboards and employing advanced data visualization techniques to interpret and communicate healthcare analytics effectively.

Students will learn to utilize Excel's features for data processing, visualization, and to support data dashboard creation for decision-making in healthcare settings. The course emphasizes practical skills in designing user-friendly, interactive dashboards and presenting data insights tailored to stakeholders' needs in healthcare


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management and analytics.

The specific objectives of the course are to:

- Understand the significance of data visualization and dashboards in enhancing decision-making in healthcare management.
- Apply advanced Excel tools and techniques for processing, analyzing, and visualizing healthcare data.
- Design and implement interactive dashboards that effectively convey complex healthcare analytics to diverse audiences.

4. Course Outcome

After the course, students should be able to

CO 1	Understand the fundamental concepts of data visualization and dashboard design, tailored to the needs of healthcare analytics.
CO 2	Utilize Excel tools effectively for creating dynamic dashboards and presenting healthcare data insights.
CO 3	Apply advanced Excel techniques to organize, analyze, and visualize data for decision-making in healthcare scenarios.
CO 4	Design and evaluate interactive dashboards to enhance the interpretation and communication of healthcare data findings.

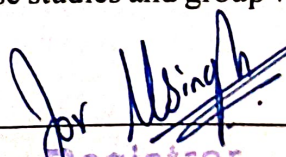
5. Course Articulation Matrix (Interrelation between CO and PO):

PO/CO	CO 1	CO 2	CO 3	CO 4
PO1	3	3	3	3
PO2				3
PO3				
PO4	3	3	3	2
PO5	2	2	2	
PO6				3

Note: Enter 1, 2 or 3 in the cell if the respective CO is related to the respective PO. Here, 3 denotes **high** strength of correlation between CO and PO, 2 denotes **medium** strength of correlation between CO and PO and 1 denotes **weak** strength of correlation between CO and PO.

6. Course Pedagogy

The course will be covered by classroom lectures augmented by discussions, case studies and group work, and assignments.


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7. Course Requirement

Effective learning requires active participation of students in class, it is therefore desired that every student report to the class well prepared to present and defend his/her ideas. Preparation for the class calls for pre-reading of the topics/cases to be discussed later. Further, for meaningful discussion of the cases, the students are required to come ready with their case analysis-identification and genesis of, and recommendations to resolve the problem(s).

8. Course Syllabus

Unit	Content/ Topics	CO	Bloom's Learning (BL) Levels
Unit 1	Introduction to Data Visualization in Healthcare ○ Importance of data visualization in healthcare analytics ○ Principles of effective data visualization (clarity, simplicity, relevance) ○ Overview of tools for data visualization: Why Excel? ○ Data types and their role in visualization (categorical, numerical, time-series) ● Understanding healthcare datasets: Common formats and structures	CO 1	BL1, BL2
Unit 2	Excel Essentials for Healthcare Analytics □ Review of basic Excel functions (sorting, filtering, pivot tables) □ Data cleaning and preparation techniques in Excel □ Formulas and functions for healthcare data analysis (SUMIF, COUNTIF, VLOOKUP, etc.) □ Managing large datasets in Excel efficiently □ Introduction to Excel tables for dynamic data handling	CO 1,	BL1, BL2
Unit 3	Designing Static Visualizations □ Chart types and their healthcare applications (bar, line, pie, scatter, etc.) □ Choosing the right chart for healthcare data insights □ Customizing charts (formats, colors, labels, legends) □ Creating combination charts for multi-variable analysis	CO 2	BL2, BL3, BL4, BL5
Unit 4	Building Dynamic Dashboards □ Introduction to dashboards: Purpose and benefits in healthcare analytics □ Working with slicers and timelines for interactivity □ Integrating pivot tables and charts into	CO 2, CO 3	BL2, BL3, BL4, BL6

	dashboards ☐ Creating dynamic visuals with formulas and named ranges ☐ Case study: Developing a simple healthcare analytics dashboard		
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Note: Please enter appropriate BL levels against each unit in the above table. The Bloom's Taxonomy Levels are as follows:

- BL1: Remember
- BL2: Understand
- BL3: Apply
- BL4: Analyse
- BL5: Evaluate
- BL6: Create

9. Course Policies

This course abides by the University's policies that can be found in the Student Handbook. Please note the following:

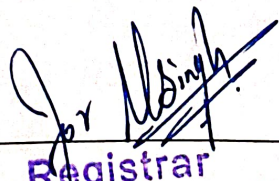
Attendance: Students are required to maintain a minimum attendance of 75% to be eligible to appear in the End-Term Examination of the course. Please refer to the student handbook for further details.

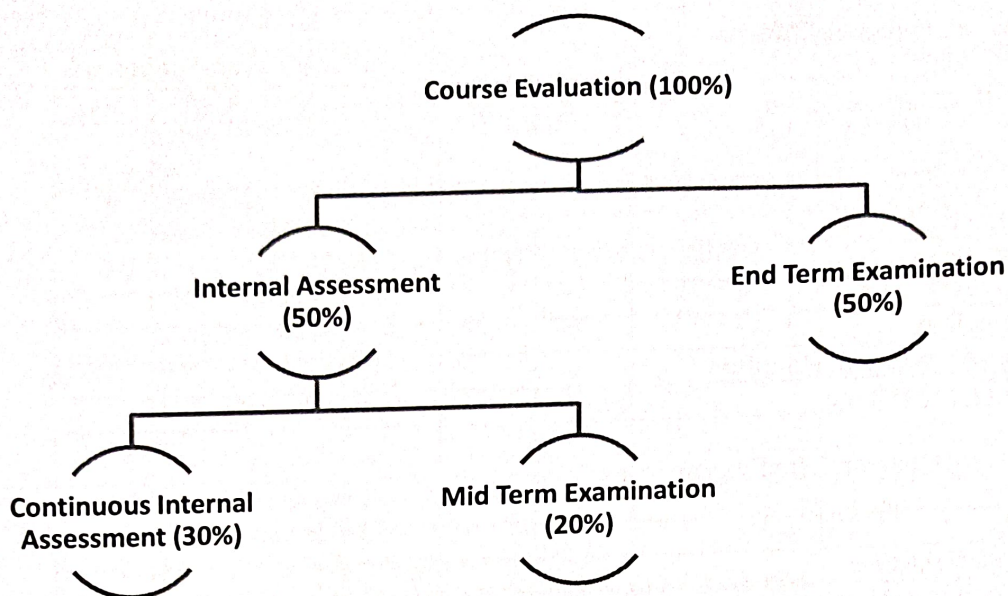
E-Mail: Each student have an e-mail id and a password, provided by University. Students will receive course related information on this email. Students are advised to regularly check this email for updates on the course.

10. Course Assessment

Students' performance in the course will be evaluated by following two components, with 50% weightage to each component:

1. Internal Assessment (50%)
2. End-Term Examination (50%)


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Internal Assessment: The internal assessment will be further divided into two parts, with the weightage given below

1. Continuous Internal Assessment (30%)
2. Mid-Term Examination (20%)

Part 1: Continuous Internal Assessment (CIA): The Continuous Internal Assessment will be of 30 % weightage. The faculty will conduct the Continuous Internal Assessment of the students by using at least two methods of assessment (for 3 credit course), from the methods given below:

1. Home Assignments (Individual / Group)
2. Viva-Voce
3. Case Study
4. Review Paper
5. Group Work
6. Presentations
7. Model Development Role-Play
8. Rapid Fire Questions
9. Quiz
10. Class Assignments (Individual / Group)
11. Posters
12. Class Participation

Part 2: Mid-Term Examination (MTE): The mid-term examination will be of 20 % weightage. The faculty will conduct the mid-term examination of the students during or at the end of the course. It can either be objective type question paper / subjective type question paper or a mix of objective and subjective question paper.

End-Term Examination (ETE): It carries 50 % weightage, covering the full syllabus of the course. The end-term examination will be of maximum 50 marks to be completed in maximum three hours. The end-term examination will be conducted at the end of trimester on scheduled date published by Controller of Examination.

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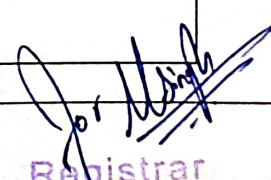
11.CO and Assessment Alignment Matrix:

S. No.	Activity	CO1	CO2	CO3	CO4	CO5	CO6
1.	Home Assignments (Individual / Group)		√	√	√		√
2.	Viva-Voce						
3.	Case Study						
4.	Review Paper		√	√	√		√
5.	Group Work						
6.	Presentations						
7.	Model Development Role-Play						
8.	Rapid Fire Questions	√	√	√	√	√	√
9.	Quiz		√	√	√		√
10.	Class Assignments (Individual / Group)		√	√	√		√
11.	Posters						
12.	Class Participation	√	√	√	√	√	√
13.	Mid Term Examination	√	√			√	√
14.	End Term Examination	√	√	√	√	√	√

Note: Please tick the relevant cell to show the respective alignment

12.Session Plan

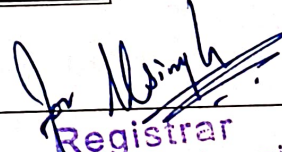
Day	Topic/Contents	Pedagogy	Readings
Day 1	Introduction to Data Visualization in Healthcare - Importance of data visualization in healthcare analytics - Principles of effective data visualization (clarity, simplicity, relevance) - Overview of tools for data visualization: Why Excel? - Data types and their role in visualization (categorical, numerical, time-series) - Understanding healthcare datasets: Common formats and structures	Classroom lectures Rapid question and answer Exercise Quiz	- Reference book - PPTs
Day 2	Excel Essentials for Healthcare Analytics - Review of basic Excel functions (sorting, filtering, pivot tables) - Data cleaning and preparation techniques in Excel - Formulas and functions for healthcare data analysis (SUMIF, COUNTIF, VLOOKUP, etc.) - Managing large datasets in Excel efficiently - Introduction to Excel tables for dynamic data handling	Classroom lectures Rapid question and answer Exercise Quiz	- Reference book - PPTs


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Day 3	Designing Static Visualizations • Chart types and their healthcare applications (bar, line, pie, scatter, etc.) • Choosing the right chart for healthcare data insights • Customizing charts (formats, colors, labels, legends) • Creating combination charts for multi-variable analysis • Best practices in healthcare data storytelling	Classroom lectures Rapid question and answer Lab exercise Quiz	• Reference book • PPTs
Day 4	Building Dynamic Dashboards:-1 • Introduction to dashboards: Purpose and benefits in healthcare analytics • Working with slicers and timelines for interactivity • Integrating pivot tables and charts into dashboards	Classroom lectures Rapid question and answer Exercise Quiz	• Reference book • PPTs
Day 5	Building Dynamic Dashboards:-2 □ Creating dynamic visuals with formulas and named ranges □ Case study: Developing a simple healthcare analytics dashboard	Classroom lectures Rapid question and answer Exercise Quiz	• Reference book • PPTs

Session Timings:

Day	Date	Session 1	Session 2	Lunch Break	Session 3	Session 4
Day 1	7 Dec 2024	9:00–11:00 AM	11:15 AM–1:15 PM	1:15–2:15 PM	2:15–3:45 PM	4:00–5:30 PM
Day 2	21 Dec 2024	9:00–11:00 AM	11:15 AM–1:15 PM	1:15–2:15 PM	2:15–3:45 PM	4:00–5:30 PM
Day 3	4 Jan 2025	9:00–11:00 AM	11:15 AM–1:15 PM	1:15–2:15 PM	2:15–3:45 PM	4:00–5:30 PM
Day 4	18 Jan 2025	9:00–11:00 AM	11:15 AM–1:15 PM	1:15–2:15 PM	2:15–3:45 PM	4:00–5:30 PM
Day 5	1 Feb 2025	9:00–11:00 AM	11:15 AM–1:15 PM	1:15–2:15 PM	2:15–3:45 PM	4:00–5:30 PM

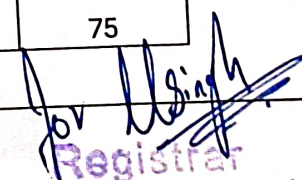

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Student Attendance

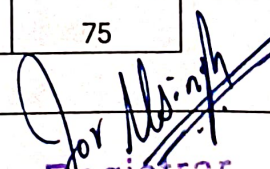
Registration ID	Name	Total Sessions Scheduled	Sessions Attended	Present Percentage
IIHMR-U/01/2023-25/1660	Abhishek Kaushik	20	15	75
IIHMR-U/01/2023-25/1663	Adarsh Anand	20	15	75
IIHMR-U/01/2023-25/1664	Aditi Guglani	20	19	95
IIHMR-U/01/2023-25/1665	Aditi Kashyap Thakan	20	15	75
IIHMR-U/01/2023-25/1667	Ahmad Saniya Jameel	20	16	80
IIHMR-U/01/2023-25/1668	Aishwarya Pundir	20	20	100
IIHMR-U/01/2023-25/1674	Amrit Raj Kar	20	16	80
IIHMR-U/01/2023-25/1676	Anika Nehra	20	20	100
IIHMR-U/01/2023-25/1679	Ankit Jangir	20	15	75
IIHMR-U/01/2023-25/1681	Anubhav Singh	20	16	80
IIHMR-U/01/2023-25/1685	Apurva Preeyam	20	19	95
IIHMR-U/01/2023-25/1691	Ashok .	20	15	75
IIHMR-U/01/2023-25/1697	Bhawna Kaswan	20	20	100
IIHMR-U/01/2023-25/1706	Eshika Jadon	20	20	100
IIHMR-U/01/2023-25/1709	Gandhi Vaishnavi Dilip	20	16	80
IIHMR-U/01/2023-25/1713	Gulrandhe Purva Pravin	20	20	100
IIHMR-U/01/2023-25/1719	Isha Agarwal	20	15	75
IIHMR-U/01/2023-25/1721	Ishita Mondal	20	20	100
IIHMR-U/01/2023-25/1722	Jangade Uttara Vijay	20	15	75
IIHMR-U/01/2023-25/1723	Jyotsna .	20	15	75
IIHMR-U/01/2023-25/1724	Kajal Chowdhury	20	16	80
IIHMR-U/01/2023-25/1726	Kalva Dharani	20	16	80
IIHMR-U/01/2023-25/1727	Karan Tripathi	20	20	100

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IIHMR-U/01/2023-25/1728	Kassamkuthiyal Rohan George	20	16	80
IIHMR-U/01/2023-25/1729	Khan Tabassum Jahan Abdul Hamid	20	20	100
IIHMR-U/01/2023-25/1732	Kondekar Shruti Bhalchandra	20	16	80
IIHMR-U/01/2023-25/1735	Kunika Sharma	20	15	75
IIHMR-U/01/2023-25/1738	Mahak Yadav	20	20	100
IIHMR-U/01/2023-25/1740	Mahima Pahwa	20	16	80
IIHMR-U/01/2023-25/1741	Maneesha Mohan	20	16	80
IIHMR-U/01/2023-25/1743	Mannat Verma	20	16	80
IIHMR-U/01/2023-25/1746	Mayank Khandelwal	20	15	75
IIHMR-U/01/2023-25/1748	Mayuree Rahangdale	20	20	100
IIHMR-U/01/2023-25/1752	Monika Kriplani	20	15	75
IIHMR-U/01/2023-25/1764	Nidhi Kulshrestha	20	16	80
IIHMR-U/01/2023-25/1768	Nitish Chaudhri	20	16	80
IIHMR-U/01/2023-25/1778	Pathrikar Parikshit Ganeshrao	20	15	75
IIHMR-U/01/2023-25/1789	Rajopadhye Aishwarya Naresh	20	20	100
IIHMR-U/01/2023-25/1797	Ritik Johari	20	16	80
IIHMR-U/01/2023-25/1799	Riya Gupta	20	16	80
IIHMR-U/01/2023-25/1801	Riya Shekhawat	20	20	100
IIHMR-U/01/2023-25/1803	Rutika Ravi Gupta	20	20	100
IIHMR-U/01/2023-25/1805	Saiyada Nausheen Ali	20	15	75
IIHMR-U/01/2023-25/1809	Saloni Dhaka	20	20	100
IIHMR-U/01/2023-25/1811	Samarth Gupta	20	20	100
IIHMR-U/01/2023-25/1813	Samidha Karmakar	20	20	100
IIHMR-U/01/2023-25/1816	Sanchi Yadav	20	15	75
IIHMR-U/01/2023-25/1818	Sarita .	20	19	95
IIHMR-U/01/2023-25/1833	Shivani Chauhan	20	15	75


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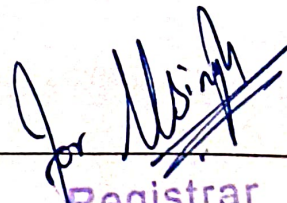
IIHMR-U/01/2023-25/1836	Shobhit Adhikari	20	20	100
IIHMR-U/01/2023-25/1837	Shrey Mahajan	20	20	100
IIHMR-U/01/2023-25/1839	Shruti Agrawal	20	19	95
IIHMR-U/01/2023-25/1844	Simran Randhawa	20	15	75
IIHMR-U/01/2023-25/1845	Sneha Jadon	20	15	75
IIHMR-U/01/2023-25/1846	Sneha Maji	20	20	100
IIHMR-U/01/2023-25/1847	Snehal .	20	16	80
IIHMR-U/01/2023-25/1848	Sodhi Surveen Kaur Satbir	20	15	75
IIHMR-U/01/2023-25/1857	Subhajit Das	20	20	100
IIHMR-U/01/2023-25/1858	Sumbe Ajit Bhausaheb	20	15	75
IIHMR-U/01/2023-25/1862	Swarna Dipti	20	16	80
IIHMR-U/01/2023-25/1871	Tapadia Sakshi Suresh	20	20	100
IIHMR-U/01/2023-25/1874	Telsang Sumedh Girish	20	16	80
IIHMR-U/01/2023-25/1878	Urvi Sharma	20	20	100
IIHMR-U/01/2023-25/1881	Vedanshi Sharma	20	16	80
IIHMR-U/01/2023-25/1882	Vemula Vyshnavi	20	20	100
IIHMR-U/01/2023-25/1883	Vidhwani Bhavika Satish	20	15	75
IIHMR-U/02/2023-25/0473	Akanksha Pal	20	15	75
IIHMR-U/02/2023-25/0476	Akshit Singla	20	15	75
IIHMR-U/02/2023-25/0479	Anjali Agarwal	20	15	75
IIHMR-U/02/2023-25/0480	Anjum naaz	20	15	75
IIHMR-U/02/2023-25/0481	Annavi Gupta	20	15	75
IIHMR-U/02/2023-25/0483	Anshuman singh	20	15	75
IIHMR-U/02/2023-25/0486	Ashutosh Kaurav	20	16	80
IIHMR-U/02/2023-25/0489	Bhatt Vedant Tushar	20	15	75
IIHMR-U/02/2023-25/0497	Dinesh Ramkrushna Sahare	20	15	75


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IIHMR-U/02/2023-25/0500	Gadhiya Yash Jitendrabhal	20	16	80
IIHMR-U/02/2023-25/0501	Gaikwad Ashish Subhash	20	15	75
IIHMR-U/02/2023-25/0502	Gaikwad Deepesh Dhananjay	20	16	80
IIHMR-U/02/2023-25/0504	Gaurang yadav	20	16	80
IIHMR-U/02/2023-25/0508	Harsh Patidar	20	15	75
IIHMR-U/02/2023-25/0511	Himanshu Agarwal	20	15	75
IIHMR-U/02/2023-25/0517	Joshi Sarthak Sudhirrao	20	15	75
IIHMR-U/02/2023-25/0518	Kadu Hitisha Avinash	20	16	80
IIHMR-U/02/2023-25/0519	Kartikey Kumar	20	15	75
IIHMR-U/02/2023-25/0524	Mankodi Arjav Keyur	20	15	75
IIHMR-U/02/2023-25/0525	Manore Vaibhavi Anant	20	15	75
IIHMR-U/02/2023-25/0526	Mansi Jariya	20	15	75
IIHMR-U/02/2023-25/0528	Marakana Bhargav Vipulbhai	20	16	80
IIHMR-U/02/2023-25/0532	Mitali Gemendra Bisen	20	15	75
IIHMR-U/02/2023-25/0534	Naina Soni	20	15	75
IIHMR-U/02/2023-25/0536	Nambiar Krishnapriya Rajesh	20	15	75
IIHMR-U/02/2023-25/0539	Neel Sisodia	20	15	75
IIHMR-U/02/2023-25/0543	Pardeep .	20	15	75
IIHMR-U/02/2023-25/0547	Pramodita shalik Shende	20	15	75
IIHMR-U/02/2023-25/0549	Pratik Patil	20	15	75
IIHMR-U/02/2023-25/0556	Rohit kumar Biswal	20	15	75
IIHMR-U/02/2023-25/0557	Ruchila Dinkar Fating	20	15	75
IIHMR-U/02/2023-25/0560	Sainee Ashish Bansidhar	20	16	80
IIHMR-U/02/2023-25/0563	Sakshi Mishra	20	15	75
IIHMR-U/02/2023-25/0564	Sakshi Patidar	20	16	80
IIHMR-U/02/2023-25/0567	Sankalp Oltikar	20	15	75

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IIHMR-U/02/2023-25/0572	Shayna .	20	15	75
IIHMR-U/02/2023-25/0573	Shefall Bharat Karmore	20	15	75
IIHMR-U/02/2023-25/0575	Shetty Vinamrata Shivashankar	20	15	75
IIHMR-U/02/2023-25/0576	Shreya Gattani	20	16	80
IIHMR-U/02/2023-25/0582	Sukhda Thakur	20	15	75
IIHMR-U/02/2023-25/0584	Suryawanshi Atharva Rajaram	20	15	75
IIHMR-U/02/2023-25/0586	Tamore Sakshi Ajay	20	15	75
IIHMR-U/02/2023-25/0588	Tanushree Mohan Charde	20	15	75
IIHMR-U/02/2023-25/0589	Ubale Sejal Prashant	20	15	75
IIHMR-U/02/2023-25/0594	Yash Soni	20	15	75
IIHMR-U/10/2023-25/0038	Akshat Sharma	20	15	75
IIHMR-U/10/2023-25/0040	Anushka Acharya	20	15	75
IIHMR-U/10/2023-25/0043	Ishika Agrawal	20	20	100
IIHMR-U/10/2023-25/0044	Jai Singh Chauhan	20	16	80
IIHMR-U/10/2023-25/0045	Kartikey Dubey	20	15	75
IIHMR-U/10/2023-25/0046	Nikhil Sain	20	15	75
IIHMR-U/10/2023-25/0047	Pranav Panpalia	20	15	75
IIHMR-U/10/2023-25/0050	Sarthak Sharma	20	15	75


 Registrar
 The IIHMR University
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Certification of Completion

This certifies that

Akshat Sharma

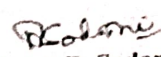
Master of Business Administration (Development Management)

2023-25

has successfully completed Value Added Course (VAC) on
Dynamic Dashboard and Data Visualization using Excel

Conducted during **December 2024- February 2025**, accumulating a total of 35 hours
with Grade **P**


Dr. Himadri Sinha
Professor and Coordinator (VAC)


Dr. P.R. Sodani
President

Date of issue: February 7, 2025

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Certification of Completion

This certifies that

Akanksha Pal

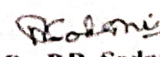
Master of Business Administration (Development Management)

2023-25

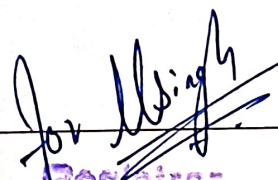
has successfully completed Value Added Course (VAC) on
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The LIHMR University
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Near Sanjay Park, Gurgaon, Haryana



Certification of Completion

This certifies that

Abhishek Kaushik

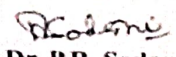
Master of Business Administration (Development Management)

2023-25

has successfully completed Value Added Course (VAC) on
Dynamic Dashboard and Data Visualization using Excel

Conducted during **December 2024- February 2025**, accumulating a total of 35 hours
with Grade B+


Dr. Himadri Sinha
Professor and Coordinator (VAC)


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President

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Certification of Completion

This certifies that

Adarsh Anand

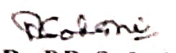
Master of Business Administration (Development Management)

2023-25

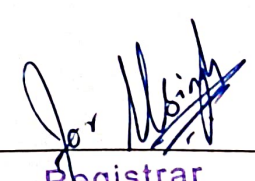
has successfully completed Value Added Course (VAC) on
Dynamic Dashboard and Data Visualization using Excel

Conducted during **December 2024- February 2025**, accumulating a total of 35 hours
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Dr. Himadri Sinha
Professor and Coordinator (VAC)


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Certification of Completion

This certifies that

Nikhil Sain

Master of Business Administration (Development Management)

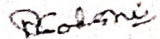
2023-25

has successfully completed Value Added Course (VAC) on
Dynamic Dashboard and Data Visualization using Excel

Conducted during **December 2024- February 2025**, accumulating a total of 35 hours
with Grade P

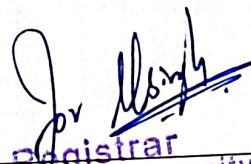


Dr. Himadri Sinha
Professor and Coordinator (VAC)



Dr. P.R. Sodani
President

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