



Date: 25/09/2025

Report of Activity- Workshop of Data Science, Data Analysis, and Database Connectivity using MySQL

Type of activity:	Technical Workshop (Four Days) to celebrate Engineers Day on 15 Sep 2025
Title of activity:	Data Science, Data Analysis, and Database Connectivity using MySQL
Date and Duration of activity:	15 th September 2025 (2:00-4:00 P.M) 16 th September 2025 (2:00-4:00 P.M) 17 th September 2025 (2:00-4:00 P.M) 18 th September 2025 (2:00-4:00 P.M)
Number of participants:	65+ students and 2 faculties
Organized by:	Head of the Department and Coordinator Name: Dr. Smita Parte , Dr Ashish Tomar
Objectives of the activity:	<ul style="list-style-type: none">• To introduce students to the fundamentals of Data Science and Data Analysis.• To provide hands-on training in Python-based data processing and visualization.• To build a foundational understanding of Machine Learning, Deep Learning, and Statistics.• To demonstrate real-time database integration using MySQL.• To enhance problem-solving and analytical thinking skills through project work.



Outcomes of the activity:	<p>Enhanced Technical Knowledge - Participants gain a deeper understanding of Data Science and SQL Connectivity concepts, strengthening their grasp of computer science fundamentals</p> <p>Improved Problem-Solving Skills- Engaging with challenging coding challenges helps participants build analytical and critical thinking abilities, valuable for academic and professional growth.</p> <p>Boosted Collaboration and Teamwork- The workshop fosters collaboration among participants, improving their ability to work together effectively and enhancing team dynamics.</p> <p>Outcomes- Participants will gain hands-on experience with Data Science and SQL programming. Participants will develop critical thinking and problem-solving skills. Participants will network with industry professionals and peers. Participants will enhance their employability skills for software development roles.</p>
External Experts/Collaborators:	<p>External Experts</p> <ul style="list-style-type: none">• Mr. Nilesh Somkule – Data Science & Analytics Trainer, Coding Thinker• Harsh Vardhan Sen & Team of Professionals (Coding Thinker)
Brief description of the activity:	<p>Module 1: Introduction to Data Science, What is Data Science and why it matters, Applications across industries, Data Science workflow and tools</p> <p>Module 2: Data Analysis, Data collection and cleaning, Exploratory Data Analysis (EDA),Data visualization using Matplotlib and Seaborn, Working with Pandas and NumPy</p> <p>Module 3: Statistics for Data Science, Descriptive statistics: Mean, median, mode, variance, standard deviation, Probability concepts and distributions, Inferential statistics: Hypothesis testing, confidence intervals, Correlation and regression analysis</p> <p>Module 4: Machine Learning (ML) Basics, Introduction to supervised & unsupervised learning, Linear & logistic regression, Decision trees and clustering techniques</p> <p>Module 5: Deep Learning (DL) Overview, Basics of neural networks, Introduction to Tensor Flow/Keras, Use cases and applications</p> <p>Module 6: Database Connectivity using MySQL, Introduction to relational databases, Writing SQL queries: SELECT, INSERT, UPDATE, DELETE, and Connecting MySQL with Python using MySQL connector, Building simple data-driven applications</p> <p>Module 7: Hands-on Project, End-to-end project involving data collection, analysis, and MySQL integration.</p>



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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA
Deemed to be University
(Declared under Distinct Category by Ministry of Education, Government of India)
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Notesheet /Permission:

Duration:	Four Day
Tentative Dates & Time :	15 th September to 18 th Sep 2025 18 th to 21 st August 2025 2:00-4:00 PM (4 Days)
Expected Participants:	B.Tech 3 rd Year students and Faculty members
Expected Number of participants:	100
Level of Activity:	Institute Level
Registration Fee:	No registration Fee (In House activity)
Award/Certificate:	Hard Copy of Certificates will be provided

Dr. Smita Parte
(Workshop Coordinator)

Dr. Ashish Tomar
(Workshop Coordinator)

May be Conducted
from 15th Sep. to 18th
Sept. 2025

Dr. Manish Dixit
(Prof. & Head)

Dr. Manjaree Pandit
(Pro Vice-Chancellor)

Poster

Madhav Institute of Technology & Science, Gwalior (M.P.), INDIA
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**DEPARTMENT OF COMPUTER
SCIENCE AND ENGINEERING
WISHES YOU**

**HAPPY ENGINEER'S DAY
15TH SEPTEMBER**



Department of Computer Science And
Engineering.

COLLABORATION WITH CODING THINKERS

ORGANIZES
A WORKSHOP ON
"DATA SCIENCE"
AND
"DATABASE CONNECTIVITY USING
MYSQL WORKSHOP"

- No Registration Fees
- Time - 2-4 PM
- Venue - SH 7
- 15th-18th SEP 2025
- Bring your personal laptop

MySQL

REGISTER NOW





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Attendance:

Data Science
and
Database
Connectivity using
MySQL workshop.

Ref No. ↓

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Attendance-workshop

Monday Tuesday Wednesday Thursday

S. NO	ENROLLMENT NO.	Name	Day1 15/9/2025 32 + 34	Day2 16/9/2025 0 + 13	Day3 17/9/2025 4 + 13	Day4 18/9/2025 4 + 13	Remark
1	0901CS231001	ABHAY VYAS	A	A	A		
2	0901CS231002	ADITYA GAUR	A	A	A		
3	0901CS231003	ADITYA SINGH CHAUHAN	A	A	A		
4	0901CS231004	ADITYA TIWARI	A	A	A		
5	0901CS231005	AJAY PRAJAPATI	A	A	A		
6	0901CS231006	AKANKSHA TOMAR	A	A	A	A	18/9/25
7	0901CS231007	AKASH SINGH	A	A	A	A	24/9/25
8	0901CS231008	AKSHIT KUMAR KHARE	A	A	A		
9	0901CS231009	ALOK ARYA	A	A	A		

SNP: mits/cse/
C701
C702

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		Day1	Day2	Day3	Day4	
10	0901CS231010	AMAN DIXIT	A	A	A	
11	0901CS231011	AMAN SINGH BHADOREYA	A	A	A	
12	0901CS231012	ANAND SINGH TOMAR	A	A	A	
13	0901CS231013	ANIDHYA BHAWSAR	A	A	A	
14	0901CS231014	ANISH KUMAR	A	A	A	24/9/25
15	0901CS231015	ANKIT MUNIYA	A	A	A	
16	0901CS231016	ANKITA DHOLKAR	A	A	A	24/9/25
17	0901CS231017	ANSHI XALXO	A	A	A	
18	0901CS231018	ANSHIMA SINGH KUSHWAH	A	A	A	18/9/25
19	0901CS231019	ANUJ GUPTA	A	A	A	
20	0901CS231020	ANUJ PRATAP SINGH BAGHEL	A	A	A	
21	0901CS231021	ANUJ SHRIVASTAVA	A	A	A	
22	0901CS231022	ARANYA CHATTERJEE	A	A	A	
23	0901CS231023	ARJEET SINGH	A	A	A	18/9/25

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			Day1	Day2	Day3	Day4	
	24	0901CS231024	ARPIT KAURAV	A	A	A	
	25	0901CS231025	ARYAN YADAV	A	A	A	
C710	26	0901CS231026	ASHISH KUMAR PATEL	A	A	A	24/9/25
	27	0901CS231027	AYUSH ARYA	A	A	A	
	28	0901CS231028	AYUSH JADON	A	A	A	
	29	0901CS231029	AYUSH NAGPAL	A	A	A	
	30	0901CS231030	AYUSH PARTE	A	A	A	
	31	0901CS231031	AYUSH SINGH CHAUHAN	A	A	A	
C711	32	0901CS231032	AYUSHI JAIN	A	A	A	24/9/25
C712	33	0901CS231033	AYUSHI SHARMA	A	A	A	18/9/25
C713	34	0901CS231034	BHAVYA GUPTA	A	A	A	24/9/25
C714	35	0901CS231035	DEEPESH PATEL	A	A	A	
	36	0901CS231036	DEEPIKA BHAGAT	A	A	A	
	37	0901CS231037	DESHANT SINGH BAGHEL	A	A	A	

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			Day1	Day2	Day3	Day4	
	24	0901CS231024	ARPIT KAURAV	A	A	A	
	25	0901CS231025	ARYAN YADAV	A	A	A	
C710	26	0901CS231026	ASHISH KUMAR PATEL	A	A	A	24/9/25
	27	0901CS231027	AYUSH ARYA	A	A	A	
	28	0901CS231028	AYUSH JADON	A	A	A	
	29	0901CS231029	AYUSH NAGPAL	A	A	A	
	30	0901CS231030	AYUSH PARTE	A	A	A	
	31	0901CS231031	AYUSH SINGH CHAUHAN	A	A	A	
C711	32	0901CS231032	AYUSHI JAIN	A	A	A	24/9/25
C712	33	0901CS231033	AYUSHI SHARMA	A	A	A	18/9/25
C713	34	0901CS231034	BHAVYA GUPTA	A	A	A	24/9/25
C714	35	0901CS231035	DEEPESH PATEL	A	A	A	
	36	0901CS231036	DEEPIKA BHAGAT	A	A	A	
	37	0901CS231037	DESHANT SINGH BAGHEL	A	A	A	

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			Day 1	Day 2	Day 3	Day 4	
38	0901CS231038	DEV PRAJAPATI	A	A	A		
39	0901CS231039	DHAIRYA PATHAK	A	A	A		
40	0901CS231040	DHEERAJ BADOLE	AB	AB	AB	AB	18/9/25
41	0901CS231041	DISHANT SHAKYA	A	A	A		
42	0901CS231042	DIVYA JOSHI	A	A	A		
43	0901CS231043	DIVYANSH AGRAWAL	Dogana	A	A		
44	0901CS231044	DIVYANSH DUTT	A	A	A		
45	0901CS231045	DIVYANSHA DUBEY	A	A	A		
46	0901CS231046	DIVYANSHI BALKAR	A	A	A		
47	0901CS231047	DURGESH NAGESH	Durgesh	Durgesh	A	Durgesh	
48	0901CS231048	EKANSH JAIN	A	A	A	A	
49	0901CS231049	ESHANK RAWAT	Est	Est	Est	Est	24/9/25
50	0901CS231050	GAURAV SHUKLA	Gaurav	A	A		
51	0901CS231051	GOPAL DHURVE	A	Gopal	Gopal	Gopal	

			Day 1	Day 2	Day 3	Day 4	
C719	52	0901CS231052	GURUTVA SINGH	A	Gurut	Gurut	Gurut
	53	0901CS231053	HARDATT SINGH TOMAR	A	A	A	
	54	0901CS231054	HARSH PANTH	Harsh	A	A	Harsh
	55	0901CS231055	HARSH VERMA	A	A	A	
	56	0901CS231056	HARSHUL BATHAM	A	A	A	
C720	57	0901CS231057	HARSHVARDHAN CHADAR	Harsh	Harsh	Harsh	Harsh
C721	58	0901CS231058	HIMANSHI VERMA	Himanshi	Himanshi	Himanshi	
C722	59	0901CS231059	HIMANSHU CHATRASALI	Himanshu	A	Himanshu	Himanshu
	60	0901CS231060	HRITANKAR DAS	A	A	A	
	61	0901CS231061	ISHKRUTI DWIVEDI	A	A	A	
	62	0901CS231062	JATIN PATHAK	A	A	A	
	63	0901CS231063	JITENDRA SINGH TOMAR	A	A	A	
	64	0901CS231064	JOY BANERJI	A	A	A	
C723	65	0901CS231065	JUGAL KISHOR	Jugal	Jugal	Jugal	Jugal

24/10/25

18/10/25

		Day 1	Day 2	Day 3	Day 4	
66	0901CS231066	KAILASH BAGRI	A	Kartik	A	
67	0901CS231067	KAMINI	Kamini	Kamini	Kamini	Kamini
68	0901CS231068	KARAN KUSHWAH	Karan	A	A	
69	0901CS231069	KASHISH RATHORE	A	A	A	
70	0901CS231070	KHUSHI MANGAL	Khushi	Khushi	Khushi	Khushi
71	0901CS231071	KHUSHI SHARMA	Khushi	A	A	
72	0901CS231072	KRATIKA JAIN	A	A		
73	0901CS231073	KRISHNA DIXIT	A	Krishna	Krishna	Krishna
74	0901CS231074	KULDEEP NIGAM	A	A	A	
75	0901CS231075	KUMAR. SHIVAM	A	A	A	
76	0901CS231076	KUMKUM SAGAR	A	A	A	
77	0901CS231077	KUNAL BARANGE	A	A	A	



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S.N O	ENROLLMENT NO.	Name	Monday 15/12/2025	Tuesday 16/12/2025	Wednesday 17/12/2025	Thursday 18/12/2025	Remark
			Day1	Day2	Day3	Day4	
1	77	0901CS231077	Kunal Barange	A	A	A	
2	78	0901CS231078	Lakshya Ghanghoriya	A	A	A	
3	79	0901CS231079	Lalit Meena	A	A	A	
4	80	0901CS231080	Lalit Prasad Gond	A	A	A	
5	81	0901CS231081	Lavanshu Patidar	A	A	A	
6	82	0901CS231082	Mahi Sharma	A	A	A	
7	83	0901CS231083	Manas Gurde	Manas	A	Manas	Manas
8	84	0901CS231084	Manas Pal	A	A	A	
9	85	0901CS231085	Manya Sharma	A	A	A	
10	86	0901CS231086	Mayank Gond	Mayank	Mayank	Mayank	Mayank

C727

C728

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Day 1 Day 2 Day 3 Day 4

11	87	0901CS231087	Mehul Singh	Mehul	Mehul	Mehul	Mehul	
12	88	0901CS231088	Mohit Mandloi	Mohit	A	Mohit	Mohit	
13	89	0901CS231089	Muskan Khemani	Muska	A	A		
14	90	0901CS231090	Naman Chandel	A	A	A		
15	91	0901CS231091	Naman Sawner	A	A	A		
16	92	0901CS231092	Navdeep Gupta	Navdeep	A	A	Navdeep	
17	93	0901CS231093	Nayan Suryavanshi	Nayan	A	A		
18	94	0901CS231094	Nikhil Singh Bhadouria	A	A	A		
19	95	0901CS231095	Nitesh Gurjar	A	A	A		
20	96	0901CS231096	Ocean Agarwal	A	A	A		
21	97	0901CS231097	Osheen Dohare	A	A	A		
22	98	0901CS231098	Palak Nagar	A	A	A		
23	99	0901CS231099	Piyush Kumar Singh	Piyush	A	A	Piyush	
24	##	0901CS231100	Prabhat Kushwah	A	A	A		
25	##	0901CS231101	Pradhun Gupta	Pradhun	A	A		

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				Day 1	Day 2	Day 3	Day 4	
C731	26 ##	0901CS231102	PRATHAM CHAUHAN	A	A	A		
	27 ##	0901CS231103	PRATHAM KUMAR RAWAT	A	A	A		
	28 ##	0901CS231104	PRATHMESH SONKUSRE	A	A	A		
	29 ##	0901CS231105	PRINCE PARASHAR	Prin	Prin	Prin	Prin	18/8/23
	30 ##	0901CS231106	PRIYANKA RAJPUT	A	A	A		
12 X	31 ##	0901CS231107	PUSHKAL SHARMA	P	A	A		
	32 ##	0901CS231108	PUSHRAJ SINGH JUNWAR	P	P	A	P	
	33 ##	0901CS231109	RAGHAV PARASHAR	Raghu	A	A	Raghu	
	34 ##	0901CS231110	RAHUL ADIWASI	Rahul	Rahul	Rahul	Rahul	18/8/23
	35 ##	0901CS231111	RAJESH SOYEDA	A	A	A		
C732	36 ##	0901CS231112	RAMANAND TOMAR	A	A	Ram	Ram	
	37 ##	0901CS231113	RASHI SAHU	A	A	A		
	38 ##	0901CS231114	RISHABH JHA	A	A	A		
	39 ##	0901CS231115	RISHITA MUKHERJEE	A	A	A	R	
	40 ##	0901CS231116	ROBIN TIRKEY	A	A	A		

				Day 1	Day 2	Day 3	Day 4	
C733	41 ##	0901CS231117	ROHIT PATANKAR	A	A	A		
	42 ##	0901CS231118	ROHIT SINGH YADAV	Rohit	Rohit	Rohit	Rohit	24/8/23
	43 ##	0901CS231119	SAGAR CHOUHEY	A	A	A		
	44 ##	0901CS231120	SAKSHAM PATSARIA	S	S	S	S	24/8/23
	45 ##	0901CS231121	SAKSHI VERMA	A	A	A		
C734	46 ##	0901CS231122	SALONI KAWADE	A	A	A		
	47 ##	0901CS231123	SAMIDHA PATEL	A	A	A		
	48 ##	0901CS231124	SAMIKSHA GARG	A	A	A		
	49 ##	0901CS231125	SANYA VERMA	A	A	A		
	50 ##	0901CS231126	SARANSH CHOURASIA	Saran	Saran	Saran	Saran	24/8/23
13 X	51 ##	0901CS231127	SHIVA SINGH TOMAR	A	A	A		
	52 ##	0901CS231128	SHIVENDRA SAKET	Shiv	A	Shiv	Shiv	
	53 ##	0901CS231129	SHOURYA DUBEY	A	A	A		
	54 ##	0901CS231130	SHREYANSH SINGH	A	A	A		
	55 ##	0901CS231131	SHRIRAM CHOUHAN	Shri	A	Shri	Shri	



			Day1	Day2	Day3	Day4	
C736	56 ##	0901CS231132	SHUBH PANDEY	A	A	A	
C737	57 ##	0901CS231133	SHUBHAM MAKWANA	Shubham	Shubham	Shubham	24/9/25
	58 ##	0901CS231134	SHUBHAM VERMA	Shubham	Shubham	Shubham	24/9/25
	59 ##	0901CS231135	SHUBHI AGRAWAL	Shubhi	A	A	
	60 ##	0901CS231136	SNEHA RAGHUWANSHI	Sneha	A	A	
	61 ##	0901CS231137	SOMYA MITTAL	A	A		
	62 ##	0901CS231138	SUHANI PATIDAR	A	A	A	
15X	63 ##	0901CS231139	SUJAL SONI	A	XX	XX	
	64 ##	0901CS231140	SUJAS SHARMA	A	A	21st	21st
C738	65 ##	0901CS231141	SUMANT PATIL	Sumant	Sumant	Sumant	24/9/25
	66 ##	0901CS231142	TANUSHKA TIWARI	A	A	A	
C739	67 ##	0901CS231143	UJJWAL SINGH	Ujjwal	Ujjwal	Ujjwal	18/9/25
	68 ##	0901CS231144	UNNATI DAGOUR	A	A	A	
	69 ##	0901CS231145	UTKARSH BAGHEL	A	A	A	
	70 ##	0901CS231146	VAIBHAV PRATAP SINGH	Vaibhav	A	A	

			Day1	Day2	Day3	Day4	
C740	71 ##	0901CS231147	VANSHIKA RAJPUT	A	A	A	
	72 ##	0901CS231148	VARUN VERMA	A	A	A	24/9/25
	73 ##	0901CS231149	VEDANT CHOUHAN	A	A	A	
16X	74 ##	0901CS231150	VIJAYMAI PRAJAPATI	Vijaymai	A	Vijaymai	
	75 ##	0901CS231151	VISHAKHA AHIRWAR	Vishakha	A	A	Vishakha
	76 ##	0901CS231152	VISHAL NAHAR	A	A	A	
	77 ##	0901CS231153	VIVEK RAJPUT	A	A	A	
	78 ##	0901CS231154	YASH BANTHARIYA	A	A	A	
	79 ##	0901CS231155	YASH PATEL	Yash	A	A	
	80 ##	0901CS231156	YASHWANT RATHORE	A	A	A	
17X	81 ##	0901CS231157	YOGESH SHRIVASTAVA	Yogesh	A	Yogesh	Yogesh
	82 ##	0901CS231158	ABHISHEK MITTAL	A	A	A	
	83 ##	0901CS231159	MOHIT SINGH RAJPUT	A	A	A	
	84 ##	0901AI231064	Shivang Yadav	A	A	A	
	85 ##	0901cs243 D01	ABHISHEK SHRIVAS	A	A	A	



			Day 1	Day 2	Days	Day 4	Remark
86 ##	0901cs243 D02	ANIKET	A	A	A		
87 ##	0901cs243 D03	ANURAG	A	A	A		
88 ##	0901cs243 D04	KRISHNA	A	A	A		
89 ##	0901cs243 D05	PRABHANSHUKAMAL	A	A	A		
90 ##	0901cs243 D06	PRACHI	A	A	A		
91 ##	0901cs243 D07	PRASHANT	A	A	A		
92 ##	0901cs243 D08	PRASHANT SUMAN	A	A	A		
93 ##	0901cs243 D09	PURVA	A	A	A		
94 ##	0901cs243 D10	SUBASH	A	A	A		
95 ##	0901cs243 D11	SWASTIK	A	A	A		
96 ##	0901cs243 D12	UDIPT	A	A	A		

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Gola Ka Mandir, Gwalior (M.P.), 474005, INDIA
Ph:-91-751-2409300, E-mail: vicechancellor@mitsgwalior.in, Website: www.mitsgwalior.in



only CSD student

Attendance

Name of Event: Workshop Data Science Date: 15/9/2025

Sno	Enroll No.	Name	Sign	Remark
1.	0901CD243D05	Vandana Arya	Vandana	CSD
2.	0901CS211076	Nikita Boro	Nikita	CSE
1.	0901CD243D05	Vandana Arya	Vandana	CSD
2.	BTIR2401021	Binderpal Singh	Binderpal	AIR
	0901CS211076	Nikita Boro	Nikita	CSE
	0901CS211076	Nikita Boro	Nikita	CSE
	BTIR2401021	Binderpal Singh Dey	Binderpal	AIR
	0901CD243D05	Vandana Arya	Vandana	CSD

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Certificate:

SN0;MITS/at/c103

CODING THINKER
BHOPAL | GWALIOR | INDORE

WORKSHOP ON
"Data Science & Database Connectivity Using MYSQL"
From 15th Sept., 2025 to 18th Sept., 2025

CERTIFICATE OF PARTICIPATION
THIS IS TO CERTIFY THAT

Mr. / Miss. Aman Singh Bhadarseya 0901C231011
has successfully completed short term training on "Data Science & Database Connectivity Using MYSQL"
organized by Department of Computer Science & Engineering, MITS, GWALIOR in association with Coding Thinker
From 15th September to 18th September

During the period of her/his training program with us, she/he had been exposed to different processes and was
found diligent, hardworking and inquisitive.

We wish her/him every success in her/his life and career.

Mrs. Neha Gupta
Director,
Coding Thinker

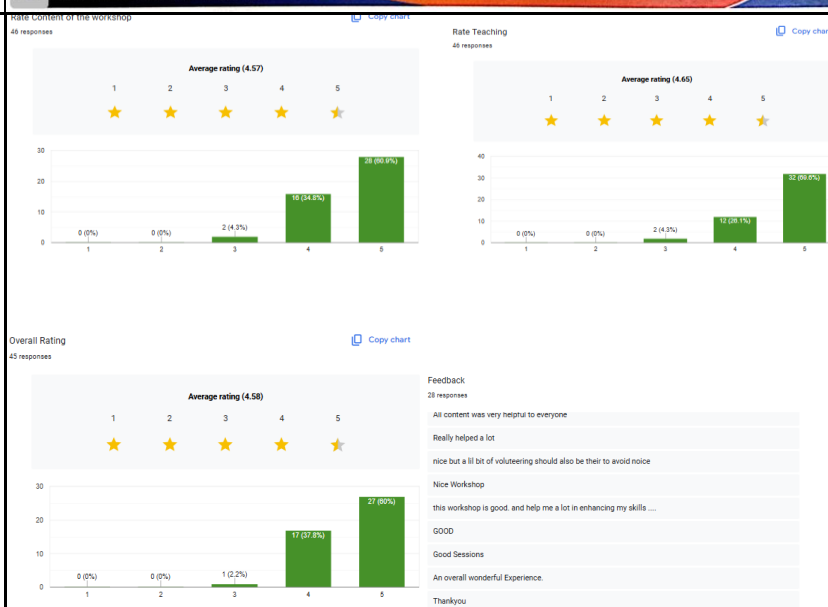
Mr. Manish Dixit
Professor & Head
CSE

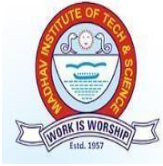
Dr. Smrita Parte
Assistant Professor

Dr. Ashish Tomar
Assistant Professor

Scanned with CamScanner

Feedback:

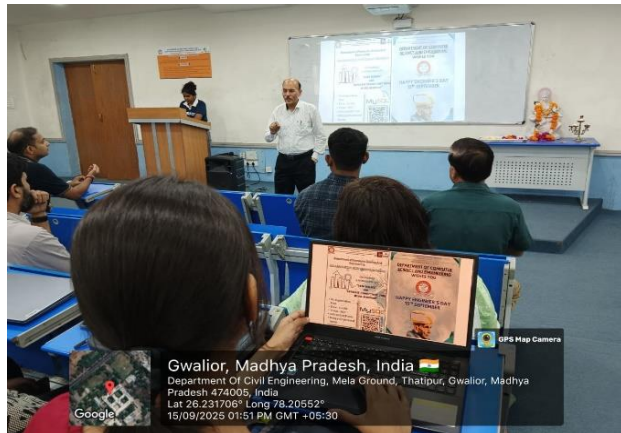


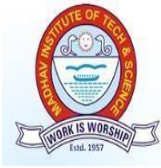


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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA
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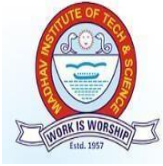
Some glimpses of the activity:





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The workshop on **Data Science, Data Analysis, and Database Connectivity using MySQL** was successfully conducted with active participation from students. The primary objective of the session was to familiarize participants with fundamental concepts of data science, practical approaches to data analysis, and the integration of MySQL for efficient database management.

During the workshop, students were introduced to the essentials of data science workflows, exploratory data analysis, and visualization techniques. Hands-on sessions allowed participants to practice connecting applications with MySQL databases, performing queries, and managing datasets effectively. Real-time demonstrations enhanced understanding of how data can be processed, analyzed, and utilized for decision-making in various domains.

The interactive nature of the workshop encouraged students to ask questions, explore problem-solving approaches, and gain practical exposure to tools and technologies relevant to industry needs. By the conclusion, participants developed a clearer understanding of the role of databases in data science and the significance of MySQL in managing and analyzing structured data.

The workshop achieved its intended outcomes by bridging theoretical knowledge with practical application, thus preparing students with foundational skills required for further exploration in data science and analytics.

Dr. Smita Parte. Dr Ashish Tomar
Event Coordinators

Dr. Manish Dixit
(Prof. & Head)



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