



**SRI MANAKULA VINAYAGAR**  
ENGINEERING COLLEGE  
(AN AUTONOMOUS INSTITUTION)



**Department of Information Technology**

**SDS**

**SOCIETY  
FOR DATA  
SCIENCE**

**2024-2025**



**CONSOLIDATED S4DS EVENT REPORT – 2024-25**

**Department of Information Technology – S4DS**

<b>S. No</b>	<b>Date</b>	<b>Title of the Event / Expert Talk</b>	<b>Resource Person(s)</b>	<b>Designation &amp; Organization</b>	<b>Mode</b>
1	29.08.2024	Grand Unified Theory of Data Science & AI/ML- applications to banking	Mr. Hemant Selmonkar	AI and Cloud Technologies, Infosys.	Online
2	16.10.2024	MongoDB Unleashed – Shaping the Future with NoSQL Innovation	Mr.R.Balaji	Software Support Engineer, Walmart Global Technologies Services ,Chennai	Offline
3	14.11.2024	Overview of AI and Process to identify usecases	Mr. Hemant Selmonkar	AI and Cloud Technologies, Infosys.	Offline
4	09.01.2025	Cyber Explore: Inspiring Entrepreneurs for Innovation and Impact	Mr.R.Thilak	Cyber Security Officer, Infosys	Offline

**HoD**

## Event Reporting

**Name of Organizing Unit:** Sri Manakula Vinayagar Engineering College

**Co-organizing unit:** Nil

**Venue:** Sri Manakula Vinayagar Engineering College (Online mode)

**Date of Event:** 29.08.2024

**Topic:** Grand Unified Theory of Data Science & AI/ML- applications to banking

**Target Audience:** S4DS Members.

**Departments participated:** IT

**Attendance:**

S.No.	No. of Staff Deputed	No. of Students
1.	03	35

### **Brief Description:**

Submitted by: Dr. Anandkumar R, Assistant Professor, Dept. of Information Technology

Resource Person: Prof. Dr. Vadlamani Ravi, Institute for Development and Research in Banking Technology (IDRBT).

Attended: S4DS Members and Faculties

Mode: Google Meet (Online)

The one-day webinar session was started at 07.30 PM. The webinar was initiated by the Dr. R. Raju, HOD-IT Department. The resource person Dr. Vadlamani Ravi, was introduced by Dr. Anandkumar R, Dept. of IT. The resource person addressed the gathering about the Grand Unified Theory of Data Science & AI/ML- applications to banking and its wide applications.

At beginning of the Webinar session, the resource person discussed about the introduction of Artificial Intelligence and its necessity. He elaborates the need of Grand Unified Theory of Data Science & AI/ML- applications to banking and its wide applications in various sectors. The speaker explained the difference between the Grand Unified Theory of Data Science & AI/ML. He shares his knowledge on various AI Tools and different services

### **Reported by:**

Dr.R.Raju,  
Professor and Head, Department of IT  
Sri Manakula Vinayagar Engineering College,  
Madagadipet  
Pondicherry - 605107

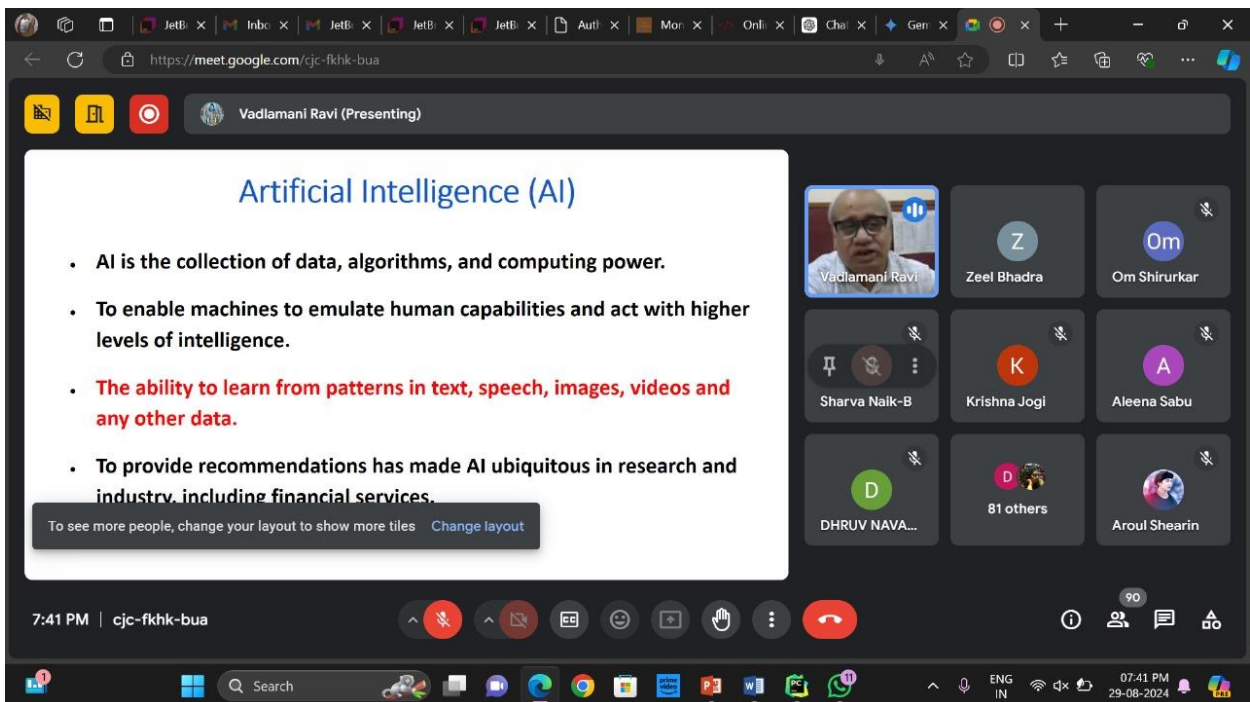
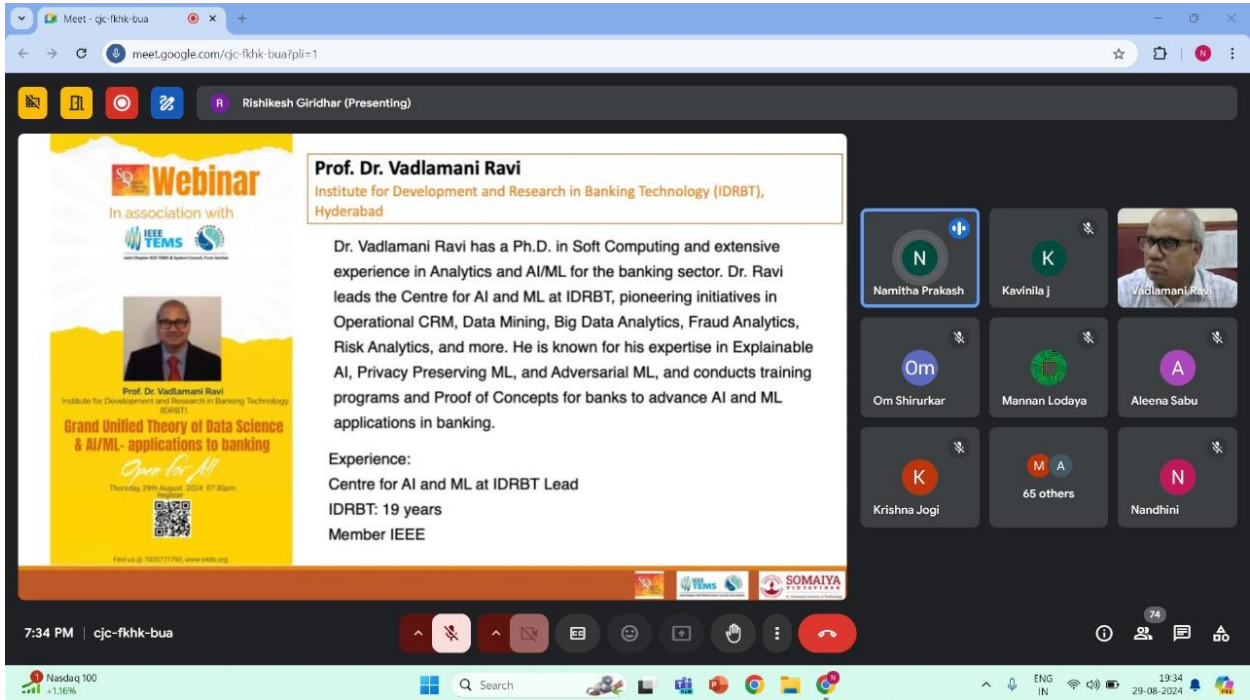


## DEPARTMENT OF INFORMATION TECHNOLOGY

### One Day Webinar Report on "Grand Unified Theory of Data Science & AI/ML- applications to banking"

Organized by Department of Information Technology on  
29-08-2024, 07.30 PM

#### Event Photos:



**Department Coordinator**

Dr. Anandkumar R  
Dr. B. Vijaya Kumar  
Mrs. N. Kalaiselvi

**HOD/IT**  
(Dr.R.Raju)



**Pondicherry, 16<sup>th</sup> October 2024**

**Subject:** Overall Report on *MongoDB Unleashed – Shaping the Future with NoSQL Innovation*, organized by the Department of Information Technology and S4DS, held on 16th October 2024 at IT Seminar Hall, Sri Manakula Vinayagar Engineering College, Madagadipet, Puducherry.

### **Objective:**

The primary objective of *MongoDB Unleashed – Shaping the Future with NoSQL Innovation* is to introduce participants to MongoDB as a modern NoSQL database and to highlight its significance in shaping future-ready data solutions. The session aims to provide insights into NoSQL principles, demonstrate MongoDB's innovative and scalable architecture, and prepare students to apply these concepts in real-world applications.

1. To introduce MongoDB as a leading NoSQL database for future-oriented data management.
2. To explain the fundamental principles and advantages of NoSQL databases.
3. To showcase MongoDB's innovative features and scalable architecture.
4. To equip participants with essential knowledge for implementing MongoDB in practical applications.
5. To emphasize MongoDB's role in enabling data-driven and future-proof solutions.

### **Outcome of the Expert Talk**

1. Enhanced understanding of MongoDB's architecture and core functionalities.
2. Awareness of best practices for implementing MongoDB in real-world applications.
3. Practical exposure to designing, querying, and managing NoSQL databases.
4. Ability to leverage MongoDB for building scalable, high-performance, and future-ready applications.
5. Improved understanding of the role of NoSQL databases in data-driven decision-making and innovation.

### **About Workshop**

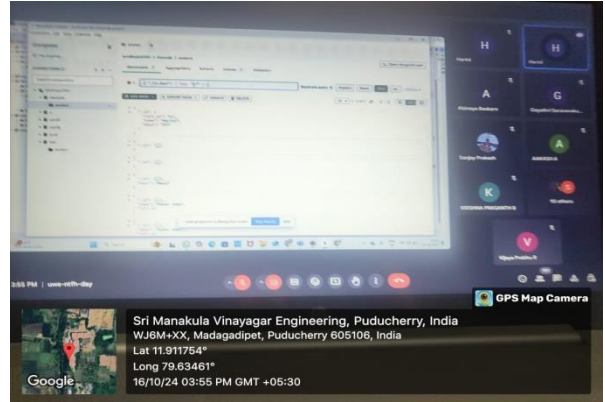
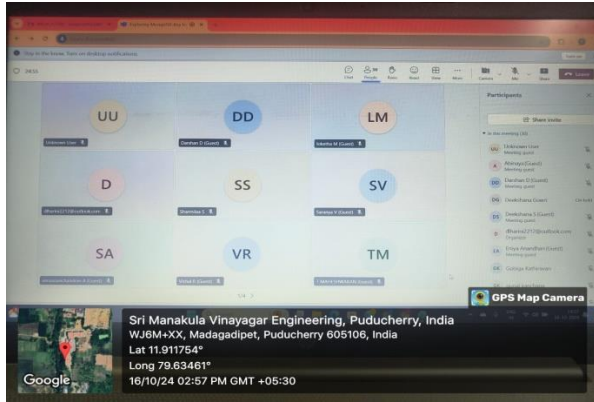
*MongoDB Unleashed – Shaping the Future with NoSQL Innovation* presents MongoDB as a vital solution for addressing modern challenges in data management. The workshop emphasizes the scalability, flexibility, and efficiency of NoSQL databases, highlighting MongoDB's role in transforming traditional database models to meet the demands of contemporary applications. Participants are introduced to the key advantages of MongoDB, including dynamic schema flexibility and high-performance data handling, which support the development of adaptive and innovative systems in today's rapidly evolving digital environment.

The session explores MongoDB's distinctive architecture, focusing on its document-oriented data model that enables intuitive storage and retrieval of data. This developer-friendly approach simplifies application integration, enhances productivity, and reduces the complexity involved in managing diverse and unstructured datasets. In addition, the workshop discusses MongoDB's capability to support large-scale distributed systems, allowing organizations to scale horizontally while maintaining consistent performance in high-demand and data-intensive scenarios.

Participants gain insights into the practical applicability of MongoDB across various industries, including e-commerce, healthcare, finance, and media. Real-world use cases and success stories are discussed to illustrate MongoDB's effectiveness in enabling real-time analytics, improving user experience, and supporting informed decision-making. These examples encourage participants to explore innovative and domain-specific applications of MongoDB in their future projects and professional roles.

A significant focus is placed on MongoDB's advanced features, such as its expressive query language, efficient indexing mechanisms, and support for complex and evolving data models. These capabilities are highlighted as essential components for building scalable, future-ready, and data-driven applications using NoSQL technologies.

## **PHOTO GALLERY**



## **Event Details**

**Event Name:** Expert Talk on *MongoDB Unleashed – Shaping the Future with NoSQL Innovation*

**Date:** 16th October 2024

**Venue:** IT Seminar Hall, Sri Manakula Vinayagar Engineering College, Madagadipet, Puducherry

Sri Manakula Vinayagar Engineering College, Madagadipet, Puducherry conducted an **Expert Talk** titled *MongoDB Unleashed – Shaping the Future with NoSQL Innovation* on **16th October 2025** in accordance with the **Department of Information Technology in association with S4DS**.

### **Event Coordinator:**

Mrs. N. Kalaiselvi

Mr. R. Vijaya Prabhu

### **Participation Details:**

- Total Number of Faculty Participants – 5
- Total Number of Student Participants – 175
- Total Number of External Participants – 4

## Event Reporting

**Name of Organizing Unit:** Sri Manakula Vinayagar Engineering College

**Co-organizing unit:** Nil

**Venue:** Sri Manakula Vinayagar Engineering College (Online mode)

**Date of Event:** 14.11.2024

**Topic:** Overview of AI and Process to identify usecases

**Target Audience:** S4DS Members.

**Departments participated:** IT

**Attendance:**

S.No.	No. of Staff Deputed	No. of Students
1.	03	35

### **Brief Description:**

Submitted by: Dr. Anandkumar R, Assistant Professor, Dept. of Information Technology

Resource Person: Mr. Hemant Selmonkar, AI and Cloud Technologies, Infosys.

Attended: S4DS Members and Faculties

Mode: Microsoft Team (Online)

The one-day webinar session was started at 07.30 PM. The webinar was initiated by the Dr. R. Raju, HOD-IT Department. The resource person Mr. Hemant Selmonkar, was introduced by Dr. Anandkumar R, Dept. of IT. The resource person addressed the gathering about the Overview of AI and Process to identify usecases.

1. At beginning of the Webinar session, the resource person discussed about the introduction of Artificial Intelligence and its necessity. He elaborates the need of AI and Process to identify usecases and its wide applications in various sectors.
2. The speaker explained the difference between the AI and Cloud.
3. He shares his knowledge on various AI Tools and different services.

### **Reported by:**

Dr.R.Raju,  
Professor and Head, Department of IT  
Sri Manakula Vinayagar Engineering College,  
Madagadipet  
Pondicherry - 605107



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**One Day Webinar Report on  
"Overview of AI and Process to identify usecases"**

**Organized by Department of Information Technology on  
14-11-2024 (Thursday), 07.30 PM**

**Event Poster:**

**Webinar**  
in association with

**IEEE TEMS** | **IEEE SYSTEMS COUNCIL**  
Joint Chapter IEEE TEMS & System Council, Pune Section

**Hemant Selmokar**  
AI and cloud technologies, Infosys

**Overview of AI and process to identify usecases**  
*Open for All*

14th November 7:30pm  
Register

## Event Photos:

The screenshot shows a Zoom meeting interface. At the top, the title is "Ideathon - Panel 3" and the time is 02:10:26. The meeting controls include "Pop out", "Chat", "People" (28), "Raise", "React", "View", "Rooms", "Apps", "More", "Camera", "Mic", "Share", and "Leave". The video gallery shows several participants, with names like "Ketan Caik...", "On hold", and "View all". The main content is a presentation slide titled "Features" with the following text:

**Gamification:**By making e-learning gamified , we can improve a particular skill of the learners and optimize their learning.By incorporating gamified elements like points and badges , we create a competitive and beneficial environment.Studies have shown that participants who used the gamified environment had a higher average of points, badges, and the number of logins than participants of the non-gamified group.

The slide also features two correlation matrices. The left matrix is titled "Non - Gamified" and the right is titled "Gamified". Both matrices show correlations between various personality traits and gamification elements. The "Gamified" matrix shows higher positive correlations, particularly for "gradipa" and "badges".

At the bottom of the slide, there is a logo for "DDE S4DS". The Zoom meeting sidebar on the right lists 28 participants, including "AARYA KAMDAR - 60009210034", "AJITESH DUBEY - 60009210162", "Alisha Mathias (Guest)", "Avena Jain (Guest)", "Bhoomi Sidhp... (Guest)", "Devansh Raulo... (Guest)", "Dhivani Shah (Guest)", "Disha Gaglani (Guest)", "DURVI BANGERA - 600092301...", "HRITIK BHATT - 600092301... On hold", "IBRAHIM KOTH... (Guest)", "Ishita Singh (Guest)", and "Jaineel Pandya (Guest)". The bottom status bar shows "28°C Smoke" and "18:02 11-02-2024".

### Department Coordinator

Dr. Anandkumar R  
 Dr. B. Vijaya Kumar  
 Mrs. N. Kalaiselvi

**HOD/IT**  
 (Dr.R.Raju)



**SRI MANAKULA VINAYAGAR**  
**ENGINEERING COLLEGE**  
(AN AUTONOMOUS INSTITUTION)  
(APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO PONDICHERRY UNIVERSITY)  
(ACCREDITED BY NBA-AICTE, NEW DELHI, ACCREDITED BY NAAC WITH "A" GRADE)  
MADAGADIPET, PUDUCHERRY - 605 107



**Pondicherry, 09<sup>th</sup> January 2025**

**Subject:** Overall Report on *Cyber Explore: Inspiring Entrepreneurs for Innovation and Impact*, organized by the Department of Information Technology in association with S4DS, held on 09th January 2025 at the Auditorium, Sri Manakula Vinayagar Engineering College, Madagadipet, Puducherry.

### **Objective:**

The primary objective of *Cyber Explore: Entrepreneurial Innovation and Impact* is to enable entrepreneurs to understand and apply innovative approaches in cybersecurity to create impactful and sustainable solutions. The program focuses on exploring emerging cyber technologies, encouraging creative problem-solving, and strengthening strategic thinking to address current and future cybersecurity challenges.

1. To empower entrepreneurs to explore cutting-edge innovations in cybersecurity.
2. To promote innovative and practical approaches to managing complex cyber risks.
3. To encourage collaboration and exchange of ideas for developing impactful cybersecurity solutions.
4. To provide participants with insights into emerging trends and technologies in the cybersecurity domain.
5. To enable entrepreneurs to lead innovation-driven initiatives that strengthen digital security and resilience.

### **Outcome of the Workshop**

1. Enhanced understanding of current trends, tools, and technologies in the cybersecurity domain.
2. Ability to identify critical cyber challenges and address them using innovative and practical solutions.
3. Improved leadership capability to inspire teams and drive transformative initiatives within organizations and industries.
4. Development of actionable strategies to create meaningful impact and strengthen the digital security ecosystem.
5. Practical readiness to explore emerging opportunities and translate ideas into scalable cybersecurity innovations.

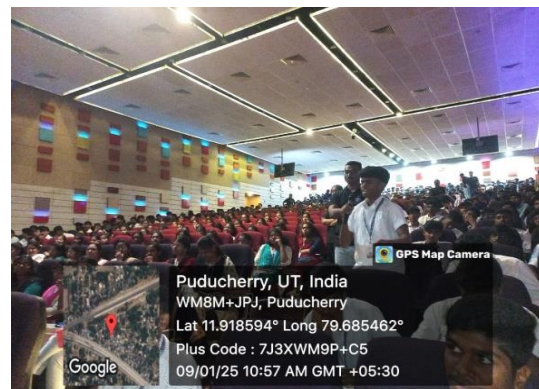
## **About Workshop**

The workshop *Cyber Explore: Entrepreneurial Innovation and Impact* is a forward-looking initiative designed to support and empower entrepreneurs in the dynamic and rapidly evolving field of cybersecurity. It serves as a collaborative platform where innovative minds come together to address contemporary cyber challenges while preparing for the demands of an increasingly complex digital environment. The workshop is structured to encourage innovation, strengthen entrepreneurial thinking, and drive impactful outcomes within the cybersecurity ecosystem.

Participants gain exposure to emerging trends, tools, and technologies in cybersecurity while exploring their real-world relevance through case studies, interactive discussions, and collaborative activities. The workshop emphasizes experiential learning, enabling participants to experiment with new ideas, develop practical solutions, and refine strategic approaches to cybersecurity challenges. Through this hands-on engagement, participants acquire actionable strategies that support the development of scalable and sustainable cybersecurity innovations applicable across multiple industries.

Beyond technical insights, the workshop places strong emphasis on entrepreneurial leadership and impact-driven innovation. Participants are guided on how to initiate transformative efforts, influence organizational change, and design resilient cybersecurity frameworks aligned with the needs of the digital economy. Interaction with experts, industry professionals, and peers fosters idea exchange, networking, and the formation of a community committed to advancing innovation and creating meaningful impact in the cybersecurity domain.

## PHOTO GALLERY



## **Event Details**

**Event Name:** Workshop on *Cyber Explore: Entrepreneurial Innovation and Impact*

**Date:** 09th January 2025

**Venue:** Auditorium, Sri Manakula Vinayagar Engineering College, Madagadipet, Puducherry

Sri Manakula Vinayagar Engineering College, Madagadipet, Puducherry conducted a **Workshop** titled *Cyber Explore: Entrepreneurial Innovation and Impact* on **09th January 2025**, in accordance with the **Department of Information Technology in association with S4DS**.

### **Event Coordinator:**

Dr. B. Vijaya Kumar

### **Participation Details:**

- Total Number of Faculty Participants – 10
- Total Number of Student Participants – 172
- Total Number of External Participants – 5