



PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF CSE (DATA SCIENCE)
DATA ANALYTICS CLUB

14-08-2026

A Report on the Data Analytics Club Activity

As part of the technical activities under the **Data Analytics Club** of the Department of CSE (Data Science), this event was conducted.

Name of the Event: Technical Seminar

Name of the Topic: Data Engineering and Cloud (From raw data to real world intelligence)

Name of the Speaker: P. Ramya Sri (24A31A4489)

Date of the Event: 14-08-2026

Time of the Event: 2:00 PM TO 3:30 PM

Venue of the Event: CF – 7(TECH BLOCK)

A total of 86 students attended this event. All the students have actively participated in the event.

BRIEF WRITE – UP OF THE EVENT:

The Data Analytics Club organized an engaging technical session on "**Data Engineering and Cloud.**" The session aimed to provide a foundational understanding of how raw data is collected, processed, stored, and analyzed using Data Engineering and Cloud technologies. It also introduced tools like Pandas and Spark and showed how data can be transformed into meaningful insights, AI-driven solutions, and real-world data products.

The speaker began by explaining how **Data Engineering and Cloud technologies** are transforming the way organizations collect, manage, and use data. Students learned how data is collected, cleaned, processed, stored, and analyzed using modern data engineering tools and cloud platforms. Real-world examples and demonstrations helped participants understand how technologies like **AWS, Google Cloud, Pandas** are used to transform raw data into meaningful insights and practical solutions.

1. Introduction to Data Engineering and Cloud

- Data Engineering involves collecting, cleaning, processing, storing, and managing data to make it useful for analysis and decision-making.
- Cloud technologies provide scalable and flexible platforms for storing and processing large volumes of data.
- Platforms such as AWS, Microsoft Azure, and Google Cloud were introduced to explain modern data infrastructure.



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2. Applications of Data Engineering and Cloud

- ❑ Data Engineering and Cloud technologies are widely used in healthcare, banking, education, e-commerce, manufacturing, and transportation.
- ❑ Real-world examples showed how data pipelines transform raw data into meaningful insights and useful data products.

3. Benefits, Challenges, and Future Scope

- ❑ Data Engineering and Cloud technologies improve data accessibility, scalability, processing efficiency, and decision-making.
- ❑ The future includes advanced data platforms, cloud-based analytics, AI integration, automation, and increasing demand for skilled data and cloud professionals.

HIGHLIGHTS AND KEY TAKEAWAYS:

- ❑ Learned how raw data is collected, cleaned, processed, stored, and analyzed.
- ❑ Understood the role of AWS, Azure, and Google Cloud in handling large-scale data.
- ❑ Understood how AI can be integrated with data to develop intelligent solutions.

POST-EVENT FEEDBACK:

Participants found the session highly informative, interactive, and relevant to current technology trends. Students appreciated the real-world examples, demonstrations, and discussions on **Data Engineering and Cloud technologies**. The session increased their understanding of data processing, cloud platforms, data pipelines, and tools such as **Pandas** and **Spark**, while highlighting the practical applications and career opportunities in the growing field of data engineering and cloud computing.



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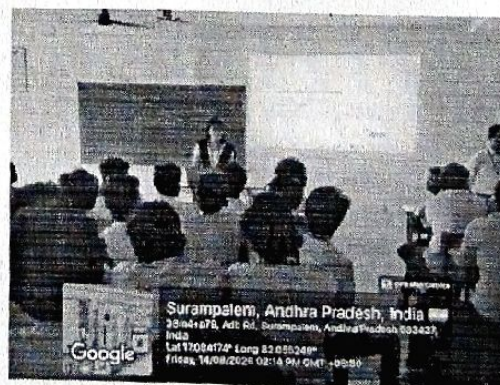
DEPARTMENT OF CSE (DATA SCIENCE)

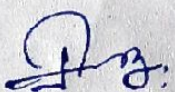
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Questions Raised by Students:

- How is raw data collected and processed in real-world applications?
- What is the difference between Pandas and Apache Spark, and when should each be used?
- How is data stored and managed when dealing with very large datasets?
- How does data move through a complete Data Engineering pipeline?
- How can AI and machine learning be integrated with data engineering and cloud technologies?

PHOTOGRAPHS FROM THE EVENT:




Faculty Coordinator


HOD - CSE (DS)




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DEPARTMENTAL ACTIVITY

Name of the Event: Technical Seminar

Title of the Event (Topic): Data Engg. & cloud (From raw data to real world intelligence)

Date of the Event: 14-8-2026

Time of the Event: 2:00 to 3:20 PM

Venue of the Event: CF-7

List of Students Attended: 30

S.No	Roll Number	Name	Branch	Year	Signature of the student
1	25A31A44E5	G. vijaya	DS-C	I	G. vijaya
2	25A31A44D5	B. Vijwala Sri	DS-C	II	B. Vijwala Sri
3	25A31A44F2	P. Ramya	DS-C	II	P. Ramya
4	25A31A44F4	P. siva thanu sri	DS-C	II	P. siva thanu sri
5	25A31A44D9	D. chaitra	DS-C	II	D. chaitra
6	25A31A44D7	D. Lalithambika	DS-C	II	D. Lalithambika
7	25A31A44F7	V. Sai vaishnavi	DS-C	II	V. Sai vaishnavi
8	25A31A44E0	D. Tejaswi	DS-C	II	D. Tejaswi
9	25A31A443E1	D. H. S. A. Madhuri	AI-C	I	D. H. S. A. Madhuri
10	25A31A445J1	K. Suresh Kumar	CSE-f	I	K. Suresh Kumar
11	25A31A4403	E. Vidyadhara Choudhary	DS-A	II	E. Vidyadhara Choudhary
12	25A31A4401	A. Satya Srinista	DS-A	II	A. Satya Srinista
13	25A31A44F1	N. Neehan	DS-C	I	N. Neehan
14	25A31A4403	A. S. C. Veni	DS-C	II	A. S. C. Veni
15	26LECON4415	Sk. Krishna	DS-C	II	Sk. Krishna
16	25A31A4477	J. Divya Sri deega	DS-B	II	J. Divya Sri deega
17	25A31A4475	G. Navya Sri	DS-B	II	G. Navya Sri
18	25A31A44E3	G. Venkata Satya	DS-C	II	G. Venkata Satya
19	25A31A44353	M. Shanmukheswara	AI-A	II	M. Shanmukheswara
20	25A31A44354	N. Varshith	AI-A	II	N. Varshith
21	25A31A443A7	J. Anuradha	AI-B	II	J. Anuradha
22	25A31A4450	T. Yaswanth Kumar	DS-C	II	T. Yaswanth Kumar
23	25A31A44624	D. Sridhar	DS-C	II	D. Sridhar
24	25A31A4469	Ch. eswar dutt	DS-C	II	Ch. eswar dutt
25	25A31A4443	K. Bharath	DS-A	II	K. Bharath
26	25A31A4453	N. H. Durga prasad	DS-A	II	N. H. Durga prasad
27	24A31A44B8	P. Sai Rakesh	DS-B	I	P. Sai Rakesh
28	24A31A44C0	P. Sai Shalini	DS-B	II	P. Sai Shalini
29	24A31A44C7	S. V. Somashekar	DS-B	II	S. V. Somashekar
30	24A31A44A0	P. Satish	DS-B	II	P. Satish

K. Sri Bhandhari

K. Ammani

Name of the Student Coordinator

Signature of the Faculty Coordinator



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Name of the Event: Technical Seminar
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 Date of the Event: 14-8-2026 Time of the Event: 2:00 to 3:30 PM Venue of the Event: CF-7
 List of Students Attended: 28

S.No	Roll Number	Name	Branch	Year	Signature of the student
1	26LECON4402	D. Bhavya Naga Sree	DS	2nd	D. Bhavya Naga Sree
2	LE	S. Santhi Kumari	DS	2nd	S. Santhi Kumari
3	25A31A4371	B. Khyathi priya	AI	2nd	B. Khyathi
4	25A31A4489	N. Harishitha	DS	2nd	N. Harishitha
5	25A31A4486	M. Sai Satya	DS	2nd	M. Sai Satya
6	25A31A4498	T. Bindu Madhuri	DS	2nd	T. Bindu
7	25A31A4476	G. Sri Darshini	DS	2nd	G. Sri Darshini
8	25A31A44E4	G. Siri	DS	2nd	G. Siri
9	25A31A44F8	Y. Susmita Sravani	DS	2nd	Y. Susmita Sravani
10	25A31A44E6	G. Nikitha	DS	2nd	G. Nikitha
11	25A31A44E8	K. V. V. S. M. Jaya Madhuri	DS	2nd	K. Madhuri
12	25A31A4487	M. Deekshita Mahi Reddy	DS	2nd	M. Deekshita
13	25A31A4491	P. Divya	DS	2nd	P. Divya
14	25A31A4496	S. Tyothika	DS	2nd	S. Tyothika
15	25A31A44E7	K. Keerthana	DS	2nd	K. Keerthana
16	25A31A4472	D. Jahnavi	DS	2nd	D. Jahnavi
17	LE	M. Veeralakshmi	DS	2nd	M. Veeralakshmi
18	LE	M. Satya	DS	2nd	M. Satya
19	25A31A4499	V. B. S. S. Deepika	DS	2nd	Deepika
20	25A31A4468	B. Divya Sri	DS	2nd	Divya
21	25A31A4480	K. Aaliya	DS	2nd	Aaliya
22	24A31A4491	Rukitha Sai R.	DS	3rd	Rukitha Sai R.
23	24A31A4474	G. Indu	DS	3rd	Indu
24	24A31A4475	G. Loukhya	DS	3rd	Loukhya
25	24A31A4488	P. Bharani	DS	3rd	P. Bharani
26	24A31A4496	T. Sai Nikhitha	DS	3rd	Nikhitha
27	24A31A4484	N. Annapurna	DS	3rd	Annapurna
28	25A31A44A7	K. Chaitan	DS	2nd	K. C. V. Surya
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MD. S. Pathima

B. Yamini

Name of the Student Coordinator

Signature of the Faculty Coordinator



Learning is Supreme Desire

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DEPARTMENTAL ACTIVITY

Name of the Event: Technical seminar
 Title of the Event (Topic): Data Engg. & cloud (From row data to real world intelligent)
 Date of the Event: 14-08-2026 Time of the Event: 2:30 to 3:30 PM Venue of the Event: CF-7
 List of Students Attended: 28

S.No	Roll Number	Name	Branch	Year	Signature of the student
1	25A31A4412	P. Satya Praveen	DS	II	Praveen
2	25A31A4418	S.V.B.K. Sai Ananda rayudu	DS	II	S. Anandareayudu
3	25A31A4411	T. Varun	DS	II	T. Varun
4	25A31A4419	A. Lakshmi Narayana	DS	II nd	A. Lakshmi Narayana
5	25A31A4417	R. Hari Venkat	DS	II nd	R. H. V. S. R.
6	25A31A4416	Y. Ram Charan	DS	II nd	Y. Ram
7	25A31A4410	A. Yashwanth Kumar	DS	II nd	A. Yashwanth Kumar
8	25A31A4412	V. Yashwanth Sai Raju	DS	II nd	V. Yashwanth Sai Raju
9	25A31A4416	T. V. Akash	DS	II nd	T. V. Akash
10	25A31A4412	V. J. S. Sainad	DS	II nd	V. J. S.
11	25A31A4411	T. Naveen	DS	II nd	T. Naveen
12	25A31A4416	P. S. Hari D. Srihari	DS	II nd	D. Srihari
13	25A31A4410	P. Ganesh	AI	II nd	P. Ganesh
14	25A31A4416	K. Yashwanth	AI	II nd	Yashwanth
15	25A31A4413	K. Eswar	DS	II nd	K. Eswar
16	25A31A4415	P. Sampath	DS	II nd	Sampath
17	25A31A4418	G. Bharath Prakash	DS	II nd	Bharath Prakash
18	25A31A4413	V. Divya Prabhath	DS	II nd	V. Divya Prabhath
19	25A31A4416	K. Mani Teja	DS	II nd	K. Mani Teja
20	25A31A4415	K. Manikanta	DS	II nd	K. Manikanta
21	26LECON4412	T. Rohith Ram	DS	II nd	T. Rohith Ram
22	25A31A4417	Y. V. K. Manohar	DS	II nd	Y. V. K. Manohar
23	25A31A4415	D. Pravan srinivas	DS	II nd	D. Pravan
24	25A31A4419	S. Vidya	DS	II nd	S. Vidya
25	25A31A4411	N. Nagendra	DS	II nd	N. Nagendra
26	25A31A4418	V. Sureshendra	DS	II nd	V. Sureshendra
27	25A31A4418	R. Sudhir	DS	II nd	R. Sudhir
28	25A31A4414	K. D. Balaji	DS	II nd	K. D. Balaji
29					
30					

P. Ramyaditya

B. Yamini

Name of the Student Coordinator

[Signature]

Signature of the Faculty Coordinator