Online Workshop on "Dashboard Creation for Data Science & Capstone Projects" Report

Conducted on 12th March 2025

Organized by School of Computer, Information and Mathematical Sciences (SCIMS)

Department of Computer Applications

Conveners

1. Dr.Sharmila Sankar, Dean(SCIMS)
2. Dr. M. Syed Masood, HoD/CA

Coordinators

1. Dr.R.Shanthi, AP / CA
2. Mrs.S.Sabaria, AP / CA

Co-Coordinators

1. Dr.P.Amudhavalli, AP / CA
2. Dr.C.Senthil Selvi, AP / CA
3. Dr.I.Parvin Begum, AP/CA
4. Dr.M.Mohammed Jalaluddin, AP / CA

Event Details

The Department of Computer Applications, under the School of Computer, Information, and Mathematical Sciences, organized an online workshop titled "Dashboard Creation for Data Science & Capstone Projects" on March 12, 2025, from 2:00 PM to 4:00 PM through the Microsoft Teams Application.

Mr. Zul Jalil, a renowned international speaker, Founder & CEO, Cybersecurity AI Expert, ACLP Educator, Speaker, and Co-founder & CEO of Qicyber Pte Ltd & 5Cyber Solutions Pte Ltd, Singapore, as the resource person. The workshop was conducted to provide valuable insights to our final-year UG students (BSc. [CS] & BCA [AI, CS, DS, CTIS]).

The report discusses about the following aspects of the programme:

Introduction

- On March 12, 2025, the Department of Computer Applications hosted an online workshop on "Dashboard Creation for Data Science & Capstone Projects."
- The event was coordinated by faculty members Dr. R. Shanthi & Mrs. S. Sabaria
- The workshop was led by Mr. Zul Jalil, an esteemed expert in cybersecurity and AI, with years of experience in data science, cybersecurity, and business intelligence.
- The workshop was attended by 171 final year UG students, from various Streams.

The workshop focused on the following key takeaways:

- Introduction to dashboard creation and its role in data science and capstone projects.
- Understanding data visualization techniques and tools like Power BI, Tableau, and Python Dash.
- Differentiating between descriptive, diagnostic, predictive, and prescriptive analytics.
- Exploring real-time data integration and automation techniques for efficient dashboard management.
- Examining case studies of successful dashboard implementations in different industries.
- Learning about best practices for designing interactive and user-friendly dashboards.
- Hands-on demonstration of dashboard-building techniques, focusing on data preprocessing, visualization, and interpretation.
- Discussing the impact of AI-powered analytics in business intelligence and capstone projects.

Presentation and Delivery

- The presentation and demonstration sessions during the workshop were well-structured and highly engaging through the Microsoft Teams application.
- Mr. Zul Jalil provided in-depth explanations on dashboarding principles and practical applications.
- He began by introducing popular dashboard tools and platforms such as Power BI, Tableau, Python Dash, and Google Data Studio.
- He discussed emerging trends in AI-driven analytics, self-service BI, and automated dashboard generation.

- The workshop highlighted the impact of data visualization on decision-making, emphasizing its applications in finance, healthcare, and cybersecurity.
- Live demonstrations showcased real-world dashboard development, including data extraction, transformation, and visualization.
- Visual aids, including charts, graphs, and interactive dashboards, were effectively used to enhance understanding and engagement.

Audience Engagement

- The workshop witnessed enthusiastic participation from students and faculty members.
- The Q&A sessions provided participants with the opportunity to explore real-world applications of dashboards and discuss job prospects abroad.
- The live demonstration of dashboard-building tools kept the participants engaged and provided hands-on experience.
- Participants shared their own experiences with data visualization challenges, leading to interactive discussions.
- The workshop provided students with valuable insights into the importance of dashboards in modern data-driven decision-making.

Conclusion

- The workshop successfully provided a strong foundation in dashboard creation, emphasizing its role in data science and capstone projects.
- Attendees gained practical insights into various dashboard tools, learning about their applications in different industries.
- The session highlighted best practices for designing effective dashboards and real-world case studies demonstrating their impact.
- The workshop motivated participants to explore further into data visualization and analytics to enhance their academic and professional projects.
- The interactive sessions, engaging discussions, and hands-on demonstrations made the workshop a valuable learning experience for all attendees.

- The brochure detailing the workshop schedule, Session QR Code and speaker profile was designed and circulated among students before the event.

The Session link, and Attendance details for the online workshop are as follows.

Session Link:

https://netorgft17683119-my.sharepoint.com/:v:/g/personal/zul_cyb3r_it_com/EfGo6PisD3JOgvhDfkrjuK0B92KVQgMbMgwfP83krg1kyA?e=GFTbzK&nav=eyJyZWZlcnJhbEluZm8iOnsicmVmZXJyYWxBcHAiOiJTdHJlYW1XZWJBcHAiLCJyZWZlcnJhbFZpZXciOiJTaGFyZURpYWxvZy1MaW5rIiwicmVmZXJyYWxBcHBQbGF0Zm9ybSI6IldlYiIsInJlZmVycmFsTW9kZSI6InZpZXcifX0%3D

Session Attendance:

Meeting title	Dashboard Creation for Data Science & Capstone Projects
Attended participants	171
Start time	3/12/25, 4:40:06 PM
End time	3/12/25, 6:56:14 PM
Meeting duration	2h 16m 7s
Average attendance time	1h 38m 5s

Participants

Name	Email	Participant ID (UPN)
Zul Jalil	zul@cyb3r.it.com	Organizer
Kumar Pranjal	pranjal@cyb3r.it.com	Presenter
SABARIA (Unverified)		Presenter
Fowsher Fahad		Presenter
harini shankar		Presenter
MOHAMED RAFIL		Presenter
Halith (Unverified)		Presenter
Fathima Beevi		Presenter
mohamed noor (Unverified)		Presenter
Manikandan T (Unverified)		Presenter
Anilesh C		Presenter
mujeebur rahman		Presenter
MOHAMED SUBAIR		Presenter
musharraf (Unverified)		Presenter
Vaishnavi V		Presenter
Mohamed Kaif		Presenter
jayasrigunaseharan@gmail.com		Presenter
Selvi Chandramohan		Presenter
Kaushik Jonas		Presenter
abul .a (Unverified)		Presenter
parvin begum (Unverified)		Presenter
Munafudeen (Unverified)		Presenter
savitha ramesh		Presenter

NithyaR (Unverified)	Presenter
lathika sri	Presenter
Mohammad Toufeeq B	Presenter
Hema Jaya	Presenter
Dhivya Dharshini	Presenter
Niranjana p	Presenter
PRASANNAA .S	Presenter
Dr.R.Shanthi (Unverified)	Presenter
raveena shankar	Presenter
rineth pavash (Unverified)	Presenter
Apsar (Unverified)	Presenter
mohammed thoyyib (Unverified)	Presenter
Jawagar (Unverified)	Presenter
Mehazabeen (Unverified)	Presenter
Mohammed Shuaib	Presenter
Fahad S (Unverified)	Presenter
sumithra (Unverified)	Presenter
Manoj manoj	Presenter
Mughilan (Unverified)	Presenter
Abinav (Unverified)	Presenter
CHITRA.S (Unverified)	Presenter
dhaginee sivakumar	Presenter
Aruna Devi (Unverified)	Presenter
mohammad luqhmaan y	Presenter
Mhd Muzammil	Presenter
Afsal (Unverified)	Presenter
Ganesan (Unverified)	Presenter
Safiq Ahamed S (Unverified)	Presenter
Mani Kandan	Presenter
Nithya R BCA CTIS (Unverified)	Presenter
mohammed Arshath	Presenter
Divya Dharshini D (Unverified)	Presenter
Jeevitha B	Presenter
Vithul Sabari	Presenter
adhithya (Unverified)	Presenter
Tashiq Zain (Unverified)	Presenter
Padmanathan A (Unverified)	Presenter
kishore kevin	Presenter
Shreya R	Presenter
durkesh (Unverified)	Presenter
syed umar farook 221351601053 (Unverified)	Presenter
asif ali khan	Presenter
vishaal (Unverified)	Presenter
Lavanya M	Presenter
keerthana ramesh	Presenter
Noorul Ameen	Presenter
Bharath Raj	Presenter
Patel Mohammed shuaib (Unverified)	Presenter

Aman (Unverified)	Presenter
Keerthana G (Unverified)	Presenter
Harini R	Presenter
mohammed ubaid	Presenter
Gokul Sha	Presenter
Vishnu Varthan K (Unverified)	Presenter
lokesh kr	Presenter
sarjun (Unverified)	Presenter
Reashma Sakthi R K	Presenter
mohamed vaseem M. A (Unverified)	Presenter
Revathy S (Unverified)	Presenter
Thrisha Reddy	Presenter
Izhar (Unverified)	Presenter
Muhd Finan	Presenter
vishali (Unverified)	Presenter
Mehazabeen (Unverified)	Presenter
kathirvel S (Unverified)	Presenter
Mughilan (Unverified)	Presenter
Hussain (Unverified)	Presenter
Swetha M	Presenter
Mohana Priya (Unverified)	Presenter
parvin begum (Unverified)	Presenter
mohamedtawfeeq05@gmail.com	Presenter
Tharun (Unverified)	Presenter
Dayan (Unverified)	Presenter
muhammed zubair	Presenter
badhruddeen ahmed	Presenter
Mohammed Aabir	Presenter
Gukan S	Presenter
sanjay (Unverified)	Presenter
Deepak Kumar N (Unverified)	Presenter
Mohamed Irfan	Presenter
G.SANJAY (Unverified)	Presenter
haris (Unverified)	Presenter
Shunmuga Gomathi S	Presenter
faizul yunus	Presenter
Mohamed Faizheesha SM (Unverified)	Presenter
Mohamed Irfan (Unverified)	Presenter
Mansoor Shariff	Presenter
Parthsarathy B (Unverified)	Presenter
Sooriyakiran S	Presenter
Arunachalam I	Presenter
Pavithra (Unverified)	Presenter
Raiyan (Unverified)	Presenter
Parthasarathy B (Unverified)	Presenter
Ranjith Kumar (Unverified)	Presenter
AKHSHAY RAM K (Unverified)	Presenter
Vignesh K	Presenter
Mohammed Riyas (Unverified)	Presenter
shakil ahamed s (Unverified)	Presenter

imran (Unverified)	Presenter
Abdul Anees M (Unverified)	Presenter
mujeeb (Unverified)	Presenter
Mohamed Thanish (Unverified)	Presenter
Kaniga Parameswaran R (Unverified)	Presenter
mohammed thoyyib	Presenter
Boobalan s (Unverified)	Presenter
srihati (Unverified)	Presenter
Sanjay (Unverified)	Presenter
Vaishnavi Srinivasan	Presenter
Fazal Ahmed (Unverified)	Presenter
Abinav . Ganesh	Presenter
Mohammed irfan (Unverified)	Presenter
Shahith (Unverified)	Presenter
Sooriyakiran (Unverified)	Presenter
Amrutha P	Presenter
Roshni S	Presenter
jeevanantham (Unverified)	Presenter
Kaniga Parameswaran R (Unverified)	Presenter
vaseem (Unverified)	Presenter
Abdul rahman (Unverified)	Presenter
Hussain (Unverified)	Presenter
jeevanantham m (Unverified)	Presenter
Gowchik (Unverified)	Presenter
Barku 1906	Presenter
Mohamed Vaseem (Unverified)	Presenter
Mohana Priya (Unverified)	Presenter
abdul jabbar (Unverified)	Presenter
Hinduja. A (Unverified)	Presenter
shakil (Unverified)	Presenter
fazal ahmed	Presenter
Qureshi Zainab gul (Unverified)	Presenter
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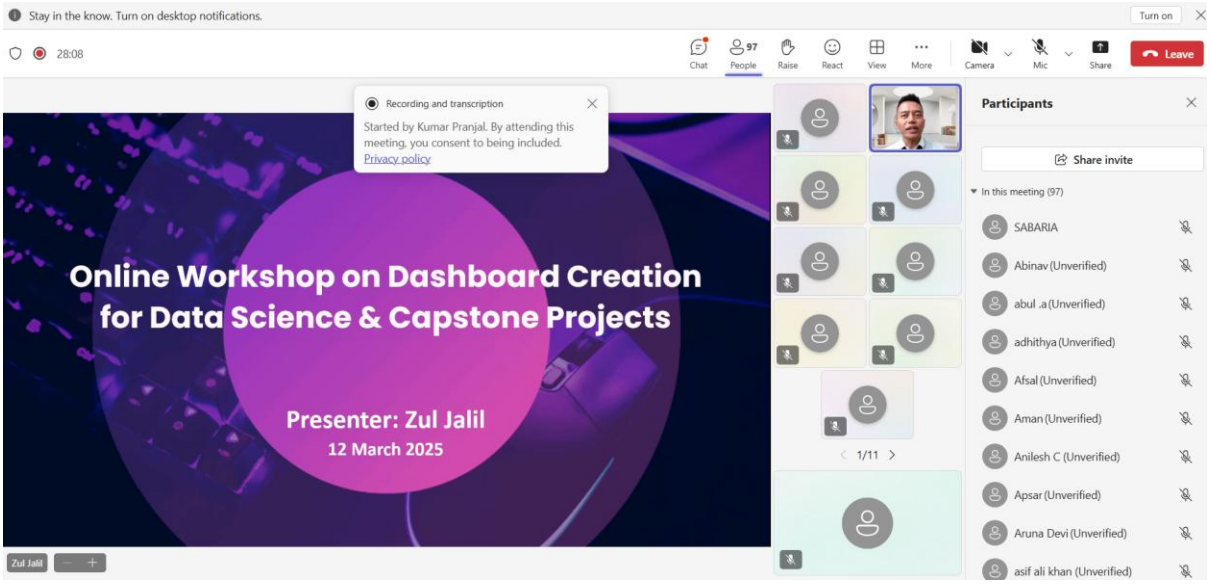
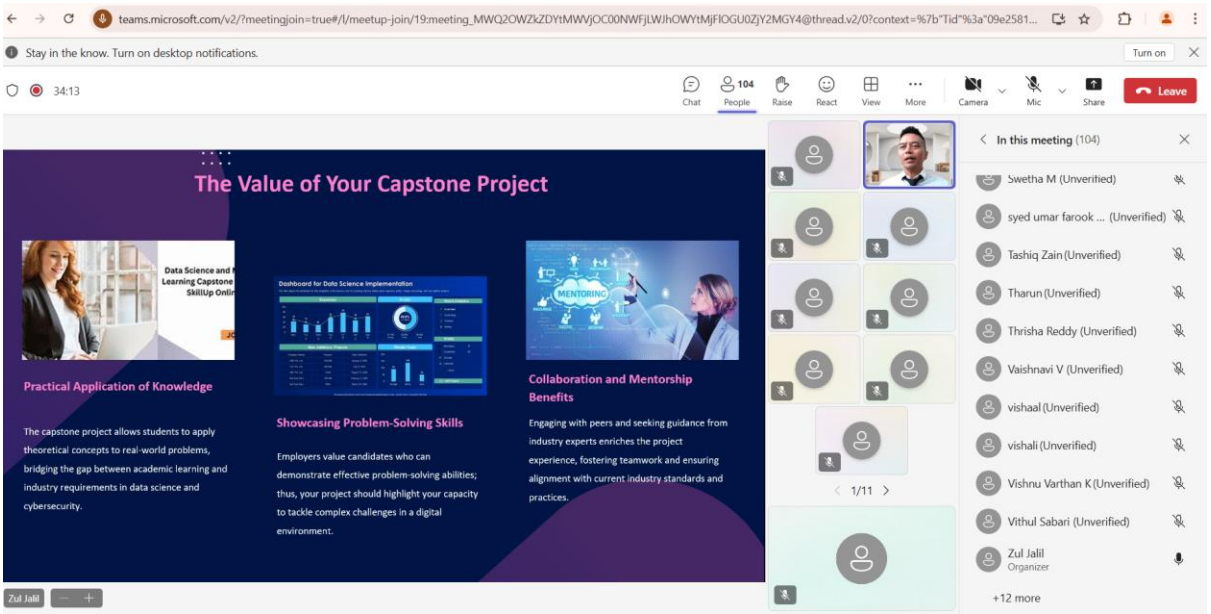
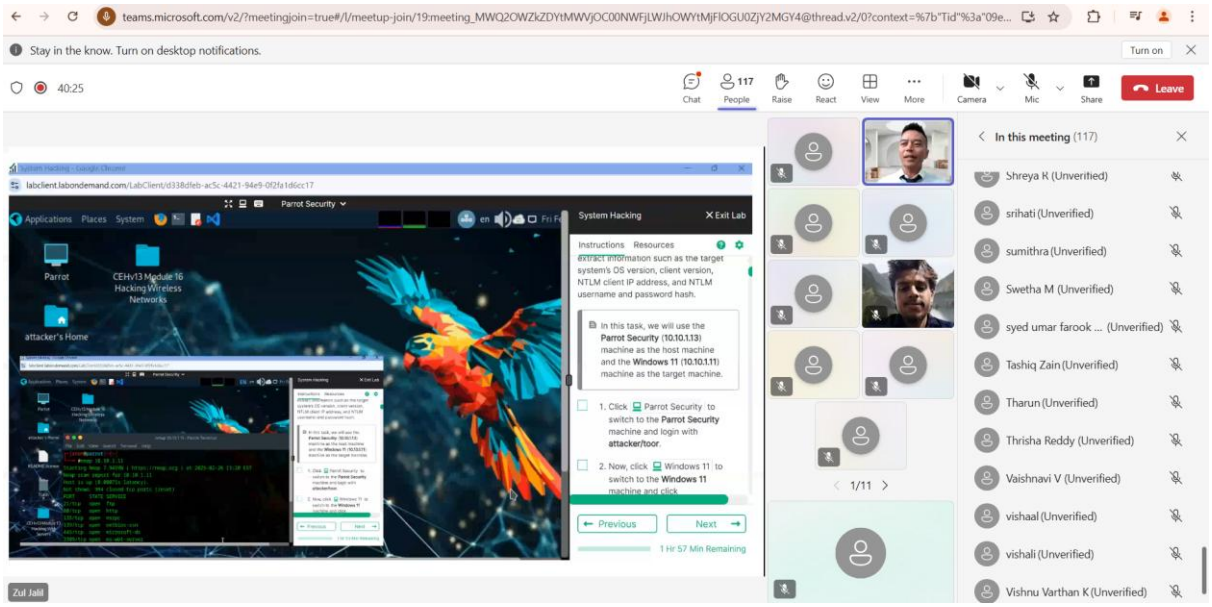
adhithya (Unverified)	Presenter
dayan nidhi	Presenter
Praveen (Unverified)	Presenter
Mohana Priya (Unverified)	Presenter
Muhammad Noohu Nusair M S	Presenter
durkesh (Unverified)	Presenter
Ruban.T (Unverified)	Presenter
Bharath L	Presenter
Vidhula (Unverified)	Presenter
Mohamed Arsath 221351601032 (Unverified)	Presenter
RIYAZ AK	Presenter
Avinash (Unverified)	Presenter
Shameer B (Unverified)	Presenter
Hinduja. A (Unverified)	Presenter
Shabana Hasmi (Unverified)	Presenter

s (Unverified)	Presenter
MD RAFIQ	Presenter

Attached are some screenshots of the online workshop, showcasing the speaker's presentation slides.



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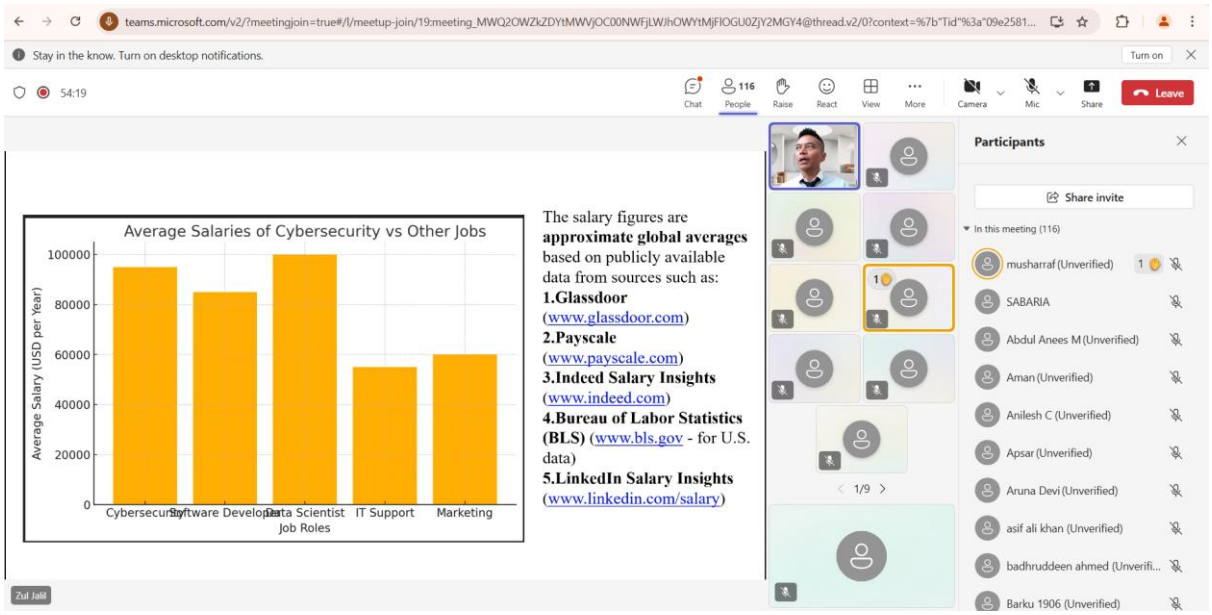
Vishnu Varthan K (Unverified)
1/11
Zul Jalil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Average Salaries of Cybersecurity vs Other Jobs
Average Salary (USD per Year)
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40000
60000
80000
100000
Cybersecurity
Software Developer
Data Scientist
IT Support
Marketing
Job Roles
The salary figures are approximate global averages based on publicly available data from sources such as:
1.Glassdoor (www.glassdoor.com)
2.Payscale (www.payscale.com)
3.Indeed Salary Insights (www.indeed.com)
4.Bureau of Labor Statistics (BLS) (www.bls.gov - for U.S. data)
5.LinkedIn Salary Insights (www.linkedin.com/salary)
Participants
Share invite
In this meeting (116)
musharraf (Unverified)
SABARIA
Abdul Anees M (Unverified)
Aman (Unverified)
Anilesh C (Unverified)
Apsar (Unverified)
Aruna Devi (Unverified)
asif ali khan (Unverified)
badhruddeen ahmed (Unverifi...
Barku 1906 (Unverified)
1/9
Zul Jalil