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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year 2023 - 2024/ ODD SEMESTER

5 DAY FDP ON MICROSOFT POWER BI , ANACONDA TOOLS AND IBM CONGOS ANALYTICS FOR BUSINESS ANALYTICS AND DATA SCIENCE REPORT

The Department of Computer Science & Engineering organized a Five Day Faculty Programme on Microsoft Power BI , Anaconda Tools and IBM Congos Analytics for Business Analytics and Data Science from **19.09.2023 - 23.09.2023** in Hybrid mode to enhance the knowledge on Business Analytics and Data Science. Totally 33 participants from various institutions actively participated in this event.

The five day FDP (Faculty Development Program) on Microsoft Power BI, Anaconda Tools, and IBM Congos Analytics for Business Analytics and Data Science provided a great way for educators and professionals to gain in-depth knowledge about these powerful tools.

Day 1: 19.09.23

Business Analytics and Data Science - Dr.K.Abhirami , HOD/CSE (i/c) , KCE

Microsoft Power BI Data Fundamentals - Ms.S.Abikayil Aarthi , AP/ CSE , KCE

The first day of FDP covered comprehensive overview of topics, including statistical analysis, machine learning, data visualization, and predictive modeling. Faculty members from various institutions have learned how to use these techniques to analyze data, identify patterns, and make informed decisions. Microsoft Power BI, a business analytics service that the participants learned about, enabled them to gain knowledge about interactive visualizations and business analytics which will be helpful for them to create their own reports and dashboards.

Day 2 & 3: 20.09.23 & 21.09.23

IBM Congos Analytics Tool

Ms.P.Kaviya , AP/IT ,Kamaraj College of Engineering & Technology,Virudhunagar

On day 2 and 3, the participants were delved to IBM Congos Analytics , a powerful tool that provides a wide range of functionalities including reporting, analysis, score carding, and monitoring. Also the participants had hands - on session that focused on analyzing the data and making informed decisions. In this session, the participants learned how to create reports, connect with data sources, build reports, and share them.

Day 4 : 22.09.23

Hands on Session - Anaconda Navigator - Mr.S.Rajarajan , AP/CSE

Hands on Session - Microsoft Power BI Tool - Ms.S.Abikayil Aarthi , AP/ CSE , Ms.N.Dhamayandhi , AP/CSE

The key features and tools including the Anaconda Navigator graphical user interface, the Jupyter Notebook environment, and the Spyder IDE of Anaconda Navigator were explored during the hands-on session on day 4. The attendee's hands-on experience with the powerful data analytics tool included topics such as data visualization, data modeling, and creation.

Day 5: 23.09.23

Hands on Session - Microsoft Power BI Tool

Case Study & Valedictory Function

Dr.K.Abhirami , HOD/CSE (i/c) , Ms.R.Sugantha Lakshmi , AP/CSE , Ms.S.Puvaneswari , AP/CSE

The fifth day of FDP featured a demonstration and hand-on session on how to create interactive dashboards, reports, and visualizations. The attendees also learned about the different types of visualizations available in Power BI and how to customize them to suit their needs. Additionally, they were shown how to publish and share their reports with others. The workshop provided the opportunity to work on real-world examples and projects. This

allowed the participants to apply what they had learned and gain practical experience in using Power BI.

The FDP helped the faculty members to understand the importance of Data Analytics tools used in the business world. Companies are using data science and analytics to gain insights into customer behavior, market trends, and operational efficiency. By understanding these tools, educators can help their students to develop the skills needed to succeed in the workforce.

Over the course of five days, participants in this FDP had the opportunity to learn about the various features and functions of each tool, as well as how they can be used in the context of business analytics and data science. They also learnt how to integrate these tools with other software and platforms, such as Excel, SQL Server, and Hadoop.

By the end of the program, participants were equipped with the skills and knowledge necessary to use the tools effectively and efficiently, and to create meaningful insights and reports for their organizations. Overall, this FDP served as a valuable investment for participants who looked for enhancing their skills in the field of business analytics and data science.

COORDINATORS **HOD(i/c)/CSE** **PRINCIPAL**

Ms.S.Puvaneswari
Ms.R.Sugantha Lakshmi

ANNEXURE – I

FDP POSTER

ANNEXURE – II

REGISTRATION FORM

Registration Form - Five Days FDP on Microsoft Power BI , Anaconda Tools and IBM Congos Analytics for Business Analytics and Data Science

19.09.2023 - 23.09.2023

Email *

Valid email

This form is collecting emails. Change settings

Faculty Name *

Short answer text

Department *

- CSE
- ECE
- EEE
- IT

ANNEXURE – III

SESSION DETAILS

ANNEXURE – IV

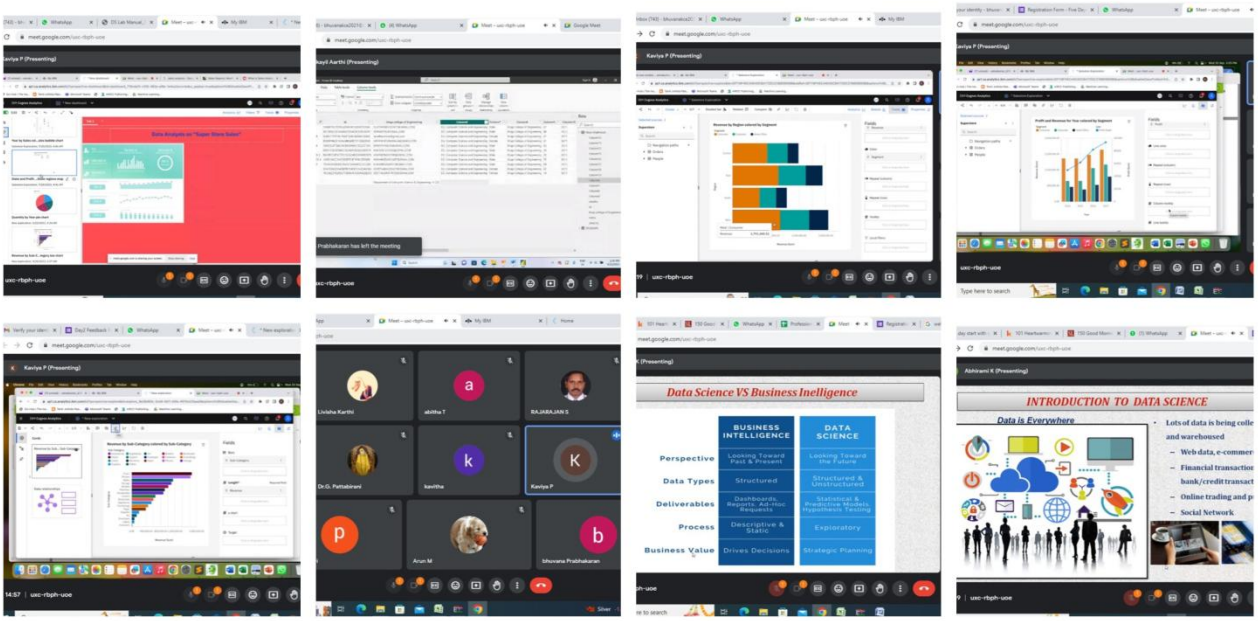
PARTICIPANTS LIST

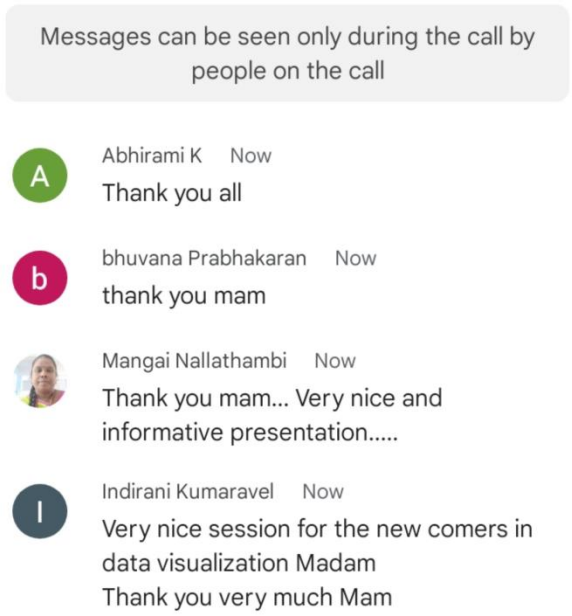
S.No	Participant Name	Designation	Institution Name
1.	Ms. R.Muthu Pandeeswari	Assistant Professor / CSE	Mohamed Sathak AJ College of Engineering, Chennai
2.	Ms.J.Sri Latha	Assistant Professor / CSE	G. Narayanamma Institution of Technology &Science , Hyderabad
3.	Ms.V.Sunitha	Assistant Professor / ECE	Sriindu College of Engineering and Technology, Sheriguda,,Hyderabad
4.	Mr. Killi Chandra Bhusana Rao	Assistant Professor/ CSE	Vikas Engineering College, Vijayawada
5.	Mr.Srinivasa Rao Nalabolu	Assistant Professor / EEE	Malla Reddy Institute of Technology and Science, Hyderabad
6.	M.Snehapriya	Assistant Professor / CSE	SRM Institute of Science and Technology,Chennai
7.	P.Devaghi	Research scholar / Computer Applications	Hindustan Institute of Technology and science, Chennai
8.	Dr.N.Suguna	Associate professor / CSE	Government College of Engineering Thanjavur
9.	Dr.G.Pattabirani	Assistant Professor / CSE	Government College of Engineering Thanjavur
10.	Dr.K.Preethi	Assistant Professor / CSE	University College of Engineering Pattukkottai.
11.	Ms.S.Gayathri	Assistant Professor / CSE	PRIST Deemed to be University
12.	Ms.M .Akshara	Assistant Professor / CSE	St.Joseph's College of Engineering and Technology,Thanjavur
13.	Mr.P. Parthiban	Assistant Professor / CSE	K.S.K College of Engineering and Technology, Kumbakonam
14.	Ms.K.Livisha	HOD / CSE	Vandayar Polytechnic College
15.	Mr.J.Subramanian	Lecturer / Mechanical	Periyar Centenary Polytechnic College Vallam,Tanjore
16.	Ms.M.Vanaja	Lecturer / Electrical	Periyar Centenary Polytechnic College Vallam,Tanjore

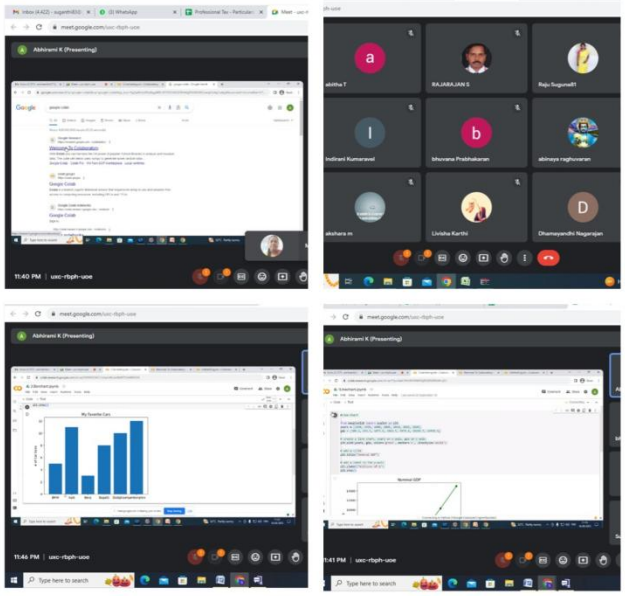
S.No	Participant Name	Designation	Institution Name
17.	Mr. R.Anantha Krishnan	Assistant Professor / EC	JP College of Arts and Science, Tenkasi
18.	K.Jayanthi	Assistant Professor / CSE	PREC Engineering College, Vallam
19.	R.Bhuvaneswari	Assistant Professor / IT	Mookambigai College of Engineering, Pudukottai
20.	A.Priya	Assistant Professor / IT	Mookambigai College of Engineering, Pudukottai
21.	P.Menaka	Assistant Professor / CSE	PREC Engineering College, Vallam
22.	Ms.D.Mangaiyarkkarasi	Assistant Professor / ECE	Kings College of Engineering
23.	Dr.T.Shanthi	Assistant Professor / ECE	Kings College of Engineering
24.	Mr.M.Arun	Assistant Professor / CSE	Kings College of Engineering
25.	Ms.N.Dhamayandhi	Assistant Professor / CSE	Kings College of Engineering
26.	Ms.B.Bavithra	Assistant Professor / CSE	Kings College of Engineering
27.	Dr.S.Kannan	Assistant Professor / CSE	Kings College of Engineering
28.	Ms.B.Sangeetha	Assistant Professor / CSE	Kings College of Engineering
29.	Ms.M.Kavitha	Assistant Professor / CSE	Kings College of Engineering
30.	Ms.D.Mangalambigai	Assistant Professor / CSE	Kings College of Engineering
31.	Ms.K.Abinaya	Assistant Professor / CSE	Kings College of Engineering
32.	Ms.M.Vidhya	Assistant Professor / CSE	Kings College of Engineering
33.	Ms.T.Sindhu	Assistant Professor / CSE	Kings College of Engineering

ANNEXURE – V

GLIMPSES OF THE EVENT







ANNEXURE – VI

SAMPLE CERTIFICATES

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IEEE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE
of Participation

This is to certify that

Mr.SRINIVASA RAO NALABOLU, Assistant Professor / EEE

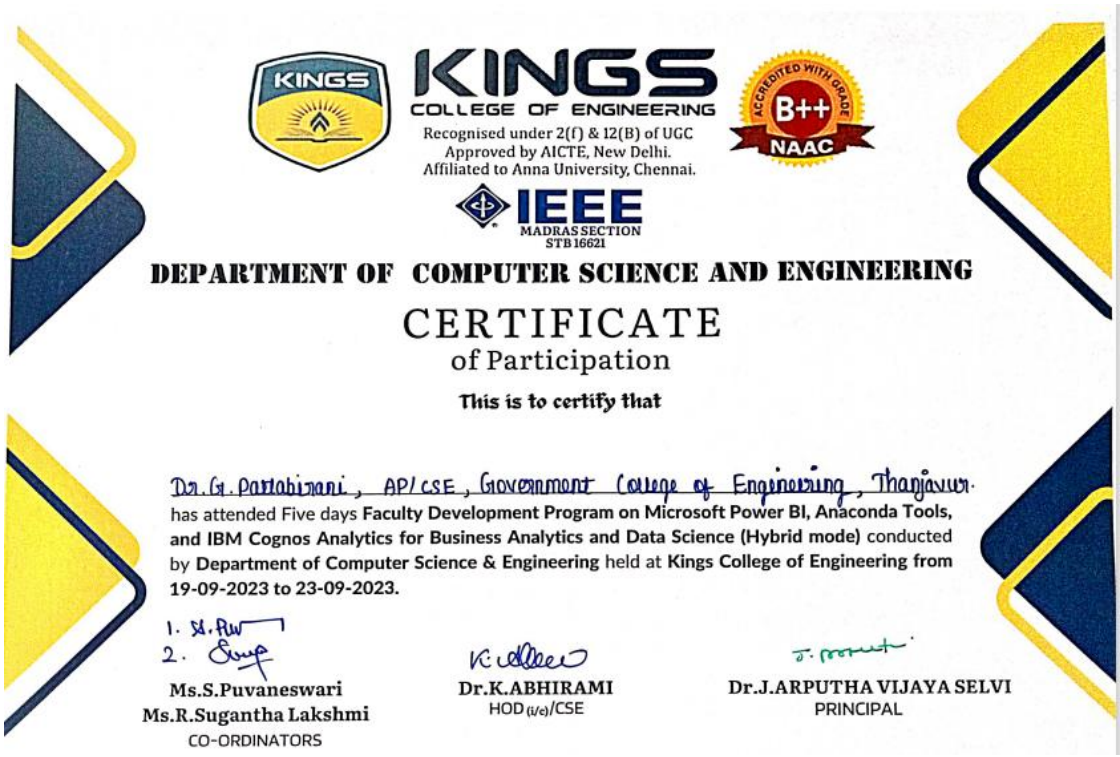
Malla Reddy Institute of Technology and science

has attended Five days **Faculty Development Program on Microsoft Power BI, Anaconda Tools, and IBM Cognos Analytics for Business Analytics and Data Science (Hybrid mode)** conducted by **Department of Computer Science & Engineering** held at **Kings College of Engineering from 19-09-2023 to 23-09-2023.**

Ms.S.Puvaneswari
Ms.R.Sugantha Lakshmi
CO-ORDINATORS

Dr.K.ABHIRAMI
HOD (i/c)/CSE

Dr.J.ARPUTHA VIJAYA SELVI
PRINCIPAL



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MADRAS SECTION
STB16621

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE
of Participation

This is to certify that

Dr.G.Parthibhani, AP/CSE, Government College of Engineering, Thanjavur.

has attended Five days **Faculty Development Program on Microsoft Power BI, Anaconda Tools, and IBM Cognos Analytics for Business Analytics and Data Science (Hybrid mode)** conducted by **Department of Computer Science & Engineering** held at **Kings College of Engineering from 19-09-2023 to 23-09-2023.**

Ms.S.Puvaneswari
Ms.R.Sugantha Lakshmi
CO-ORDINATORS

Dr.K.ABHIRAMI
HOD (i/c)/CSE

Dr.J.ARPUTHA VIJAYA SELVI
PRINCIPAL

ANNEXURE – VII
FEEDBACK ANALYSIS

Department of Computer Science & Engineering

Academic Year 2023-2024 / Odd Semester

5 DAY FDP ON MICROSOFT POWER BI , ANACONDA TOOLS AND IBM CONGOS ANALYTICS FOR BUSINESS ANALYTICS AND DATA SCIENCE REPORT

Feedback Form

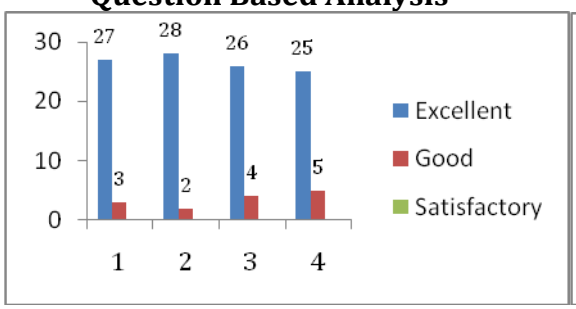
	Excellent	Good	Satisfactory
Organization of the programme			
Registration process and communication			
Hospitality/Facilities			
Overall Feedback			

Other Comments:

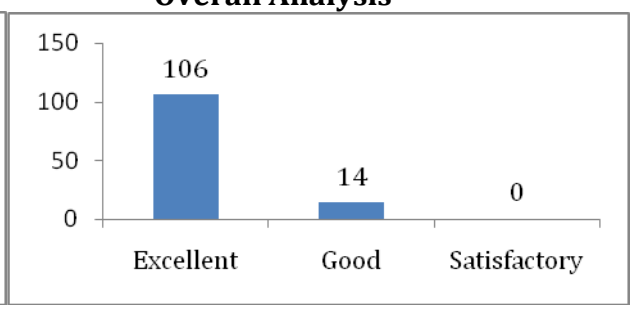
Total Samples : 30

Q.NO	Excellent	Good	Satisfactory
1	27	03	00
2	28	02	00
3	26	04	00
4	25	05	00
Total	106	14	00
In %	88%	12%	-
Comments	• Very good FDP • It was a good learning experience. • This FDP was excellent and got awareness on lot of new concepts		

Question Based Analysis



Overall Analysis



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year

2023 - 2024/ ODD SEMESTER

5 DAY FDP REPORT

19.09.2023 - 23.09.2023

On

MICROSOFT POWER BI, ANACONDA TOOLS AND IBM CONGOS ANALYTICS FOR BUSINESS ANALYTICS AND DATA SCIENCE