



**Academic
Staff College**



THREE WEEKS FDP Program on
DATA / BUSINESS ANALYTICS TOOLS
FOR CSE/ AI&DS/CS&IT/MBA FACULTY

On
22-08-2022 TO 14-09-2022

VENUE: Sunflower Hall

RESOURCE PERSON
Dr. Rishabh Mohan

ORGANISED BY
Academic Staff College

KONERU LAKSHMAIAH EDUCATION FOUNDATION

Guntur Distric, Andhra Pradesh, Pin : 522 502 | Ph : 08645 - 350 200 | www.kluniversity.in



Program Schedule

Date	Time	Topic	Resource Person
August 22nd, 2022	9:00 am - 5:00 pm	Introduction to Data Analytics	Dr. Rishabh Mohan
August 23rd, 2022	9:00 am - 5:00 pm	Data Collection and Preparation	Dr. Rishabh Mohan
August 24th, 2022	9:00 am - 5:00 pm	Data Visualization	Dr. Rishabh Mohan
August 25th, 2022	9:00 am - 5:00 pm	Statistical Analysis	Dr. Rishabh Mohan
August 26th, 2022	9:00 am - 5:00 pm	Machine Learning	Dr. Rishabh Mohan
August 27th, 2022 to 13th september	9:00 am - 5:00 pm	Case Studies in Data Analytics	Dr. Rishabh Mohan
September 14th, 2022	9:00 am - 5:00 pm	Final Exam	Dr. Rishabh Mohan





Academic
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Faculty Development Program on Data and Business Analytics Tools

Date: August 22nd to September 14th, 2022

Venue: Online

Organizer: Academic Staff College of KL University

Objectives:

- To provide participants with an overview of data and business analytics tools.
- To teach participants how to use these tools to analyze data and make informed decisions.
- To help participants develop their skills in data visualization and presentation.

Course Outline:

- Day 1: Introduction to Data Analytics
- Day 2: Data Collection and Preparation
- Day 3: Data Visualization
- Day 4: Statistical Analysis
- Day 5: Machine Learning
- Day 6: Case Studies
- Day 7: Final Exam

Instructors:

- Dr. Rishabh Mohan

Participants:

- 47 faculty members from KLEF

Evaluation:

- Participants will be evaluated on their attendance, participation, and performance on the short Assignments

Report:



The Faculty Development Program on Data and Business Analytics Tools was held from August 22nd to September 14th, 2022. The program was attended by 47 participants.

The program covered a wide range of topics, including:

- Introduction to data analytics
- Data collection and preparation
- Data visualization
- Statistical analysis
- Machine learning
- Case studies in Data Analytics
- Training Report: Introduction to Data Analytics

Day 1: Introduction to Data Analytics On the first day of the training, we covered the fundamental concepts of data analytics. The session began with an overview of data analytics and its importance in various industries. We discussed the role of data analytics in decision-making processes and how it can drive business insights. Additionally, we explored different types of data analytics, such as descriptive, diagnostic, predictive, and prescriptive analytics. The session concluded with an introduction to the tools and technologies commonly used in data analytics.

Day 2: Data Collection and Preparation The second day focused on data collection and preparation techniques. We started by understanding the importance of data quality and the challenges associated with collecting relevant and accurate data. The session covered various data collection methods, including surveys, interviews, and web scraping. We also delved into the process of data cleaning, where we learned about identifying and handling missing values, outliers, and inconsistencies in datasets. Practical exercises were conducted to reinforce the concepts discussed.

Day 3: Data Visualization On the third day, we explored the power of data visualization in conveying meaningful insights. We discussed the principles of effective data visualization, including choosing appropriate charts, colors, and labeling. The session included hands-on activities using popular data visualization tools, such as Tableau and Matplotlib. Participants learned how to create visually appealing and informative graphs, charts, and dashboards to communicate complex data in a clear and concise manner.



Day 4: Statistical Analysis The fourth day was dedicated to statistical analysis techniques commonly employed in data analytics. We reviewed the basic concepts of descriptive statistics, including measures of central tendency and dispersion. Participants gained an understanding of inferential statistics, hypothesis testing, and p-values. Additionally, we covered correlation analysis, regression analysis, and ANOVA (Analysis of Variance). Practical examples and real-world case studies were used to demonstrate the application of statistical analysis in data-driven decision-making.

Day 5: Machine Learning The fifth day introduced participants to the exciting field of machine learning. We explored different types of machine learning algorithms, including supervised learning, unsupervised learning, and reinforcement learning. The session covered popular machine learning techniques such as classification, regression, clustering, and dimensionality reduction. Practical exercises were conducted using Python libraries like scikit-learn to implement machine learning algorithms and evaluate their performance. We also discussed best practices for model selection, training, and evaluation.

Day 6: Case Studies in Data Analytics The sixth day of the training focused on real-world case studies in data analytics. Participants had the opportunity to apply the knowledge gained throughout the training to solve complex data analytics problems. The case studies covered a wide range of industries and domains, including finance, marketing, healthcare, and e-commerce. We discussed the challenges faced, the data analytics approaches used, and the outcomes achieved in each case study. Participants actively engaged in group discussions and shared their insights and recommendations.

The remaining days of the FDP focused on practice of various technical tools. And the faculty got benefited from practicing what they have learnt.

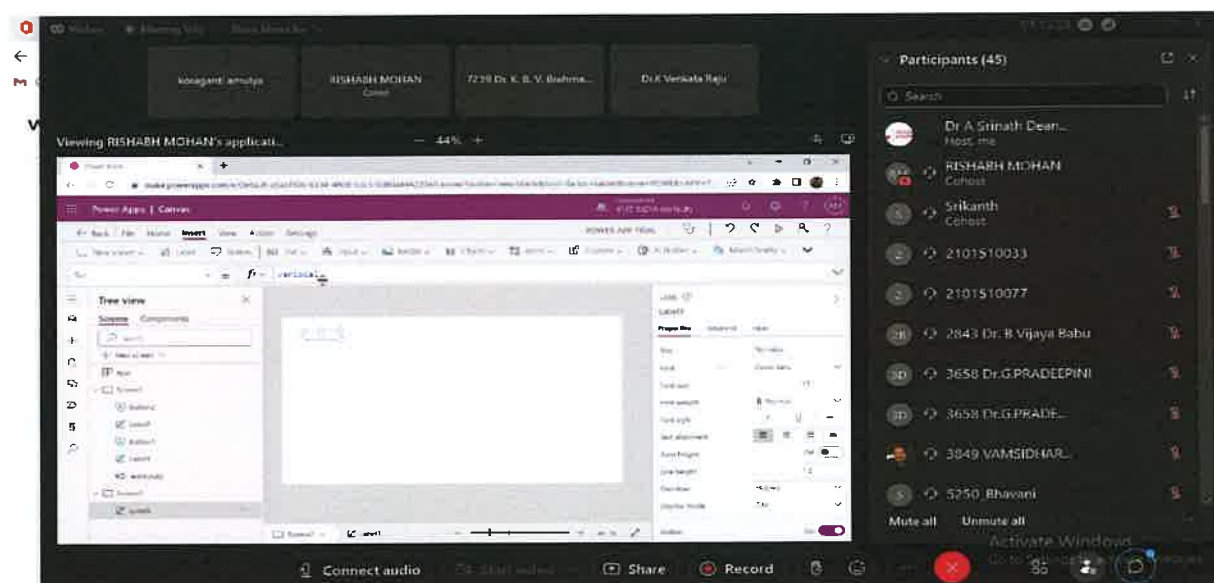
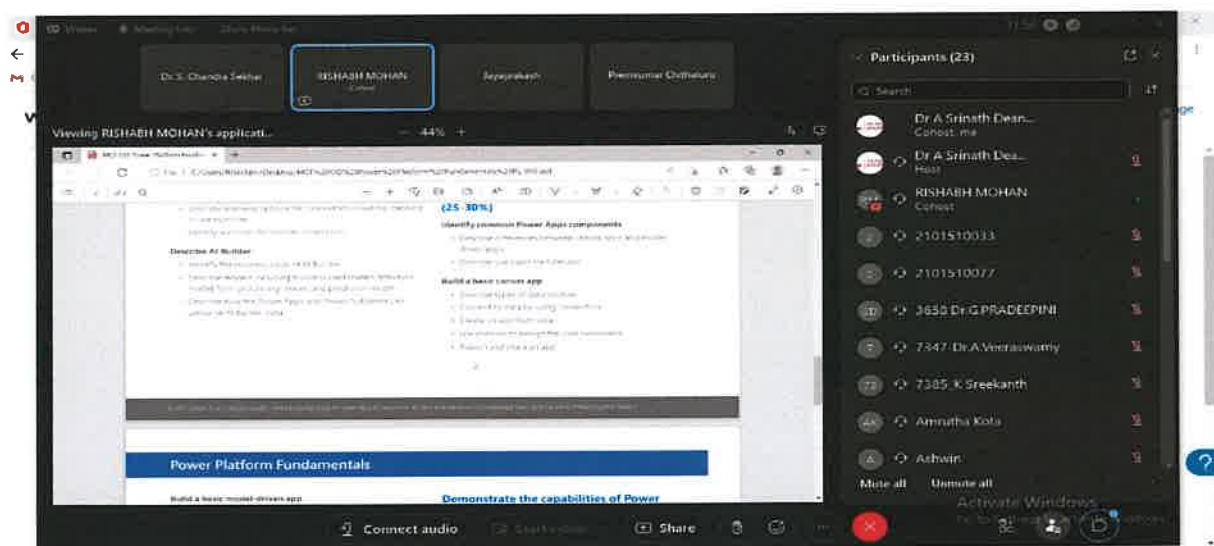
In conclusion, the training provided participants with a comprehensive understanding of data analytics. They learned the foundational concepts, techniques, and tools required for effective data analysis. Through practical exercises and case studies, participants gained hands-on experience and learned how to apply data analytics in real-world scenarios. The training

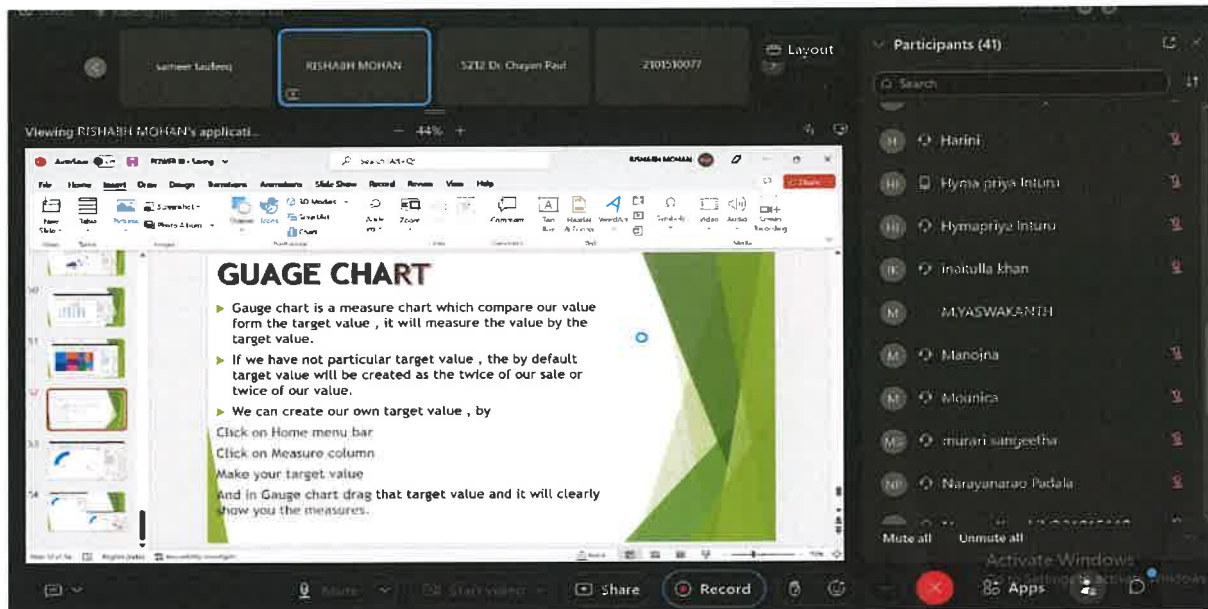


equipped them with the necessary skills to collect, prepare, analyze, visualize, and derive insights from data, empowering them to make data-driven decisions in their respective fields.

The participants found the program to be informative and engaging. They particularly appreciated the opportunity to learn from experienced instructors and to apply their new skills to real-world case studies.

The program was a valuable opportunity for participants to learn about the latest data analytics tools and techniques. The knowledge and skills that they gained will be essential for them as they continue their careers in academia and industry.





Overall, the Faculty Development Program on Data and Business Analytics Tools was a success. The program provided participants with the knowledge and skills they need to use data analytics tools to make informed decisions.

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REGISTRAR

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Guntur District, Andhra Pradesh.

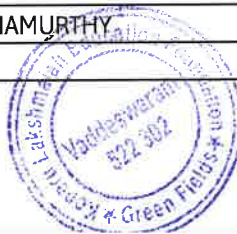


Principal ASC

PRINCIPAL
ACADEMIC STAFF COLLEGE
Koneru Lakshmaiah Education Foundation
(Deemed to be University)
Green Fields, VADDESWAREM-522 302

List of Participants

S.NO	Emp No	Name of the employee	Designation	Department
1	2510	MR.CHAVA SRINIVASA RAO	PROFESSOR	BUSINESS SCHOOL
2	5466	DR.MARIMGANTI SRINIVASA NARAYANA	PROFESSOR	BUSINESS SCHOOL
3	5892	DR.N SUBRAHMANYAM	PROFESSOR	BUSINESS SCHOOL
4	6204	DR.VENKATESWARA RAO PODILE	PROFESSOR	BUSINESS SCHOOL
5	941	MR.SM.KABIR PASHA	ASSOC.PROF.	BUSINESS SCHOOL
6	3233	DR.KONDURU SUNDARA SEKHARA RAO	ASSOC.PROF.	BUSINESS SCHOOL
7	3665	DR.NARAYANAM BINDU MADHAVI	ASSOC.PROF.	BUSINESS SCHOOL
8	4141	DR.ATLURI BALA SARASWATHI	ASSOC.PROF.	BUSINESS SCHOOL
9	4588	DR.SIMANCHALA DAS	ASSOC.PROF.	BUSINESS SCHOOL
10	5026	DR.KOLACHINA SRINIVAS	ASSOC.PROF.	BUSINESS SCHOOL
11	6214	DR.SAVANAM CHANDRA SEKHAR	ASSOC.PROF.	BUSINESS SCHOOL
12	6364	DR. A.GOVINDARAJAN	ASSOC.PROF.	BUSINESS SCHOOL
13	6784	Dr.GOWRABHATHINI JITENDRA	ASSOC.PROF.	BUSINESS SCHOOL
14	6870	DR.DOMATHOTI PRASANNA KUMAR	ASSOC.PROF.	BUSINESS SCHOOL
15	7091	DR.MD MAZHARUNNISA BEGUM	ASSOC.PROF.	BUSINESS SCHOOL
16	2117	MR.KOGANTI ANIL KUMAR	ASST.PROF.	BUSINESS SCHOOL
17	2287	DR.A.VASUDEVA REDDY	ASST.PROF.	BUSINESS SCHOOL
18	2766	MR.V.SHOURI REDDY	ASST.PROF.	BUSINESS SCHOOL
19	3192	MR.P.DANIEL PAUL	ASST.PROF.	BUSINESS SCHOOL
20	3370	MR.V.MURALI	ASST.PROF.	BUSINESS SCHOOL
21	3405	MR.CHANUMOLU ANIL	ASST.PROF.	BUSINESS SCHOOL
22	3836	MR. RAGHAIAH VALIVETI	ASST.PROF.	BUSINESS SCHOOL
23	5070	DR.SK SHAMSHAD AHAMED	ASST.PROF.	BUSINESS SCHOOL
24	5096	MR.TULLURI LAKSHMI CHENNAKESAVA GOUD	ASST.PROF.	BUSINESS SCHOOL
25	5097	MR.ADAPA SIVA KRISHNA	ASST.PROF.	BUSINESS SCHOOL
26	5153	DR.ROMALA VIJAYA SRINIVAS	ASST.PROF.	BUSINESS SCHOOL
27	5165	DR.G SURESH KRISHNA	ASST.PROF.	BUSINESS SCHOOL
28	5218	MR.MOHAMMAD JAFFER RAZA	ASST.PROF.	BUSINESS SCHOOL
29	5258	DR.MUZAMIL AHMAD BABA	ASST.PROF.	BUSINESS SCHOOL
30	5376	DR.R PRADEEP KUMAR PATNAIK	ASST.PROF.	BUSINESS SCHOOL
31	5382	DR.TRINLEY PALDON	ASST.PROF.	BUSINESS SCHOOL
32	5425	DR.YADDULA CHITRA REKHA	ASST.PROF.	BUSINESS SCHOOL
33	5457	MR.SEEPANA VARAHA NARASIMHULU	ASST.PROF.	BUSINESS SCHOOL
34	5579	DR. KALLA V BANGARU GANESH	ASST.PROF.	BUSINESS SCHOOL
35	5678	DR.PARVATHANENI KRISHNA PRIYA	ASST.PROF.	BUSINESS SCHOOL
36	5679	DR. SABBINENI POOJITHA	ASST.PROF.	BUSINESS SCHOOL
37	5719	DR.ANURADHA AVERINENI	ASST.PROF.	BUSINESS SCHOOL
38	5858	DR. B. GIRI MURUGAN	ASST.PROF.	BUSINESS SCHOOL
39	6258	DR.IRRINKI MOHAN KRISHNA	ASST.PROF.	BUSINESS SCHOOL
40	6263	DR.NAVULLA DURGA PRASAD	ASST.PROF.	BUSINESS SCHOOL
41	6266	DR.KONKA SOUJANYA	ASST.PROF.	BUSINESS SCHOOL
42	6267	DR.SANKA DURGA	ASST.PROF.	BUSINESS SCHOOL
43	6615	DR. YELLA SRI LAKSHMI	ASST.PROF.	BUSINESS SCHOOL
44	6801	DR. D PRAVEENA DEVI	ASST.PROF.	BUSINESS SCHOOL
45	6807	Dr. MANISHA SEMWAL	ASST.PROF.	BUSINESS SCHOOL
46	6818	Dr. VENKATESWARLU CHANDU	ASST.PROF.	BUSINESS SCHOOL
47	6875	MR. BIKRAM LENKA	ASST.PROF.	BUSINESS SCHOOL
48	6885	MR. MANDAVA RADHA KRISHNAMURTHY	ASST.PROF.	BUSINESS SCHOOL
49	6980	MS. O DHARANI	ASST.PROF.	BUSINESS SCHOOL



50	7009	Dr.RATNA VALLI BHAGAVATULA	ASST.PROF.	BUSINESS SCHOOL
51	7044	DR.VENKATA NAGA SIVA KUMAR CHALLA	ASST.PROF.	BUSINESS SCHOOL
52	7284	Mr.UMESH KUMAR SHUKLA	ASST.PROF.	BUSINESS SCHOOL
53	7299	MR. T MALLIKARJUNA RAO	ASST.PROF.	BUSINESS SCHOOL
54	7421	MR. P USMAN KHAN	ASST.PROF.	BUSINESS SCHOOL
55	1678	DR.S.VENUMADHAVA SARMA	ASSOC.PROF.	BUSINESS SCHOOL
56	3065	DR.KODUKULA S L N S SUBRAHMANYAM	ASSOC.PROF.	BUSINESS SCHOOL
57	3412	DR.VEDANTAM VENU MADHAV	ASSOC.PROF.	BUSINESS SCHOOL
58	7129	Dr.RAJENDRAN P	ASSOC.PROF.	BUSINESS SCHOOL
59	7481	Dr.SRINIVASA RAO KASISOMAYAJULA	ASSOC.PROF.	BUSINESS SCHOOL
60	2946	DR.SONTI VENKATA NAGAMALLESWARA SASTRY	ASST.PROF.	BUSINESS SCHOOL
61	3205	DR.TELLAKULA ANITHA	ASST.PROF.	BUSINESS SCHOOL
62	3406	MR.KANDULA RAJENDRA REDDY	ASST.PROF.	BUSINESS SCHOOL
63	4636	MS.RAYAPUDI E M PREMA CHANDRIKA	ASST.PROF.	BUSINESS SCHOOL
64	5634	DR.SUKHAVASI SANTHA KUMARI	ASST.PROF.	BUSINESS SCHOOL
65	5975	DR.ARUMUGAM RAJU	ASST.PROF.	BUSINESS SCHOOL
66	6352	DR.ITIKELA SHYAM SUNDAR	ASST.PROF.	BUSINESS SCHOOL
67	7263	Mr.SIVA KOTESWARA RAO KONDRAGUNTA	ASST.PROF.	BUSINESS SCHOOL
68	7518	Dr.SUBIR KUMAR SINHA	ASSOC.PROF.	BUSINESS SCHOOL
69	5905	DR.V POTHURAJU	ASST.PROF.	BUSINESS SCHOOL
70	1455	DR.MARIVINA KISHORE BABU	PROFESSOR	BUSINESS SCHOOL
71	5926	DR.ATANU TALUKDAR	PROFESSOR	BUSINESS SCHOOL
72	6167	DR.MEDA SRINIVASA RAO	PROFESSOR	BUSINESS SCHOOL
73	6955	Dr.RADHA KRISHAN SHARMA	PROFESSOR	BUSINESS SCHOOL
74	1456	DR.K. HEMA DIVYA	ASSOC.PROF.	BUSINESS SCHOOL
75	2941	DR.PUPPALA RAJA BABU	ASSOC.PROF.	BUSINESS SCHOOL
76	3431	DR.A.UDAY SHANKAR	ASSOC.PROF.	BUSINESS SCHOOL
77	3664	DR.V.N.SAILAJA	ASSOC.PROF.	BUSINESS SCHOOL
78	4076	DR.SUNDARI DADHABAI	ASSOC.PROF.	BUSINESS SCHOOL
79	5255	DR.AKONDI SRIKANTH	ASSOC.PROF.	BUSINESS SCHOOL
80	5471	DR. P VASAVI	ASSOC.PROF.	BUSINESS SCHOOL
81	6779	Dr. SONTINENI RAMESH BABU	ASSOC.PROF.	BUSINESS SCHOOL
82	6866	DR.KALAVACHARLA VEERA VENKATA RAJU	ASSOC.PROF.	BUSINESS SCHOOL
83	7494	Dr.VENKATA RAMANA SIKHAKOLLI	ASSOC.PROF.	BUSINESS SCHOOL
84	1967	DR.M.V.A.L.NARASIMHA RAO	ASST.PROF.	BUSINESS SCHOOL
85	5444	DR.J VENKATA RAMANA	ASST.PROF.	BUSINESS SCHOOL
86	5484	DR.CH BALAJI	ASST.PROF.	BUSINESS SCHOOL
87	5585	DR.K ANUSHA	ASST.PROF.	BUSINESS SCHOOL
88	5753	DR.K V SIVA PRASAD	ASST.PROF.	BUSINESS SCHOOL
89	5841	DR.R S V RAMA SWATHI	ASST.PROF.	BUSINESS SCHOOL
90	6371	DR. SUBHAM SAXENA	ASST.PROF.	BUSINESS SCHOOL
91	6388	DR. R. KANIMOZHI	ASST.PROF.	BUSINESS SCHOOL
92	7045	DR.BURRA VAMSI KRISHNA	ASST.PROF.	BUSINESS SCHOOL
93	7049	DR.SHYAMASUNDAR TRIPATHY	ASST.PROF.	BUSINESS SCHOOL
94	6340	DR.T P SASI KUMAR	PROFESSOR	BUSINESS SCHOOL
95	6146	DR. KIRAN KUMAR THOTI	ASSOC.PROF.	BUSINESS SCHOOL
96	6302	DR. GEETA MULABAGULA	ASSOC.PROF.	BUSINESS SCHOOL
97	6341	DR.HARI M G	ASSOC.PROF.	BUSINESS SCHOOL
98	6357	Ms.PARCHA KALYANI	ASSOC.PROF.	BUSINESS SCHOOL
99	6560	DR. RAKESH KUMAR PATRA	ASSOC.PROF.	BUSINESS SCHOOL
100	6664	DR. NILAMADHAB PANDA	ASSOC.PROF.	BUSINESS SCHOOL



101	6813	DR. JAYA VANI MAJUMDAR	ASSOC.PROF.	BUSINESS SCHOOL
102	7076	DR. HIMA JAGATHI POLAMARASETTY	ASSOC.PROF.	BUSINESS SCHOOL
103	4879	DR. DEEPA ENNALA	ASST.PROF.	BUSINESS SCHOOL
104	5584	DR. BALASAYIKUMAR BALANAGALAKSHMI	ASST.PROF.	BUSINESS SCHOOL
105	5961	DR. KHUDSIYA ZEESHAN	ASST.PROF.	BUSINESS SCHOOL
106	6157	MR.MD.FAIZ AHMAD	ASST.PROF.	BUSINESS SCHOOL
107	6159	MR. RAJESH RAMOTH	ASST.PROF.	BUSINESS SCHOOL
108	6233	MRS. M.SIVA SUNDARI	ASST.PROF.	BUSINESS SCHOOL
109	6348	MR. YOG MISHRA	ASST.PROF.	BUSINESS SCHOOL
110	6493	MS. ARUNA MUNJA	ASST.PROF.	BUSINESS SCHOOL
111	6671	DR. KALYAN KUMAR PALAPARTHI	ASST.PROF.	BUSINESS SCHOOL
112	6823	DR. JEETA SARKAR	ASST.PROF.	BUSINESS SCHOOL
113	6834	MR. KAVULURI JAGAN MOHAN RAO	ASST.PROF.	BUSINESS SCHOOL
114	7083	DR. SUNIL KAMAL	ASST.PROF.	BUSINESS SCHOOL
115	7148	DR. KRUSHNACHANDRA PANIGRAHY	ASST.PROF.	BUSINESS SCHOOL
116	5913	DR. BHASKER MULAM	PROFESSOR	BUSINESS SCHOOL
117	6986	DR. PRAMODA PATRA	ASSOC.PROF.	BUSINESS SCHOOL
118	7053	DR. SWARUPA PELLETI	ASSOC.PROF.	BUSINESS SCHOOL
119	6358	MRS.SAKSHI CHHABRA	ASST.PROF.	BUSINESS SCHOOL
120	6400	MR. PRANAY KUMAR PENDOTA	ASST.PROF.	BUSINESS SCHOOL
121	6469	MR. SEKHAR RANGA	ASST.PROF.	BUSINESS SCHOOL
122	6496	MS. P SARITHA NAIDU	ASST.PROF.	BUSINESS SCHOOL
123	6659	DR. ABHISHEK TAH	ASST.PROF.	BUSINESS SCHOOL
124	6338	DR. R. KANIMOZHI	ASST.PROF.	BUSINESS SCHOOL
125	6371	DR. SUBHAM SAXENA	ASST.PROF.	BUSINESS SCHOOL
126	3178	DR.ANNA VENKATESWARA RAO	ASST.PROF.	BUSINESS SCHOOL
127	7045	DR.BURRA VAMSI KRISHNA	ASST.PROF.	BUSINESS SCHOOL
128	5753	DR.K V SIVA PRASAD	ASST.PROF.	BUSINESS SCHOOL





This is to certify that

DR. R. KANIMOZHI

Has participated in the

Three-Weeks Faculty Development Program on

Data / Business Analytics Tools for CSE/ AI&DS/CS&IT/MBA Faculty

During **22-08-2022 to 14-09-2022**


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