



FATIMA COLLEGE

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Affiliated to Madurai Kamaraj University
Re-Accredited with 'A++' by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

WORKSHOP REPORT

NAME OF THE DEPARTMENT : COMPUTER APPLICATIONS (BCA)

NAME OF THE ACTIVITY : Online Workshop on "Data Analytics Real
World Projects with Python"

NAME OF THE RESOURCE PERSON : **Dr. KAYAL PADMANANDAN**

Associate Professor,

BVRIT Hyderabad College of Engineering for
Women,

Hyderabad.

NO. OF STUDENTS PARTICIPATED : 125

DATE : 04.12.2023

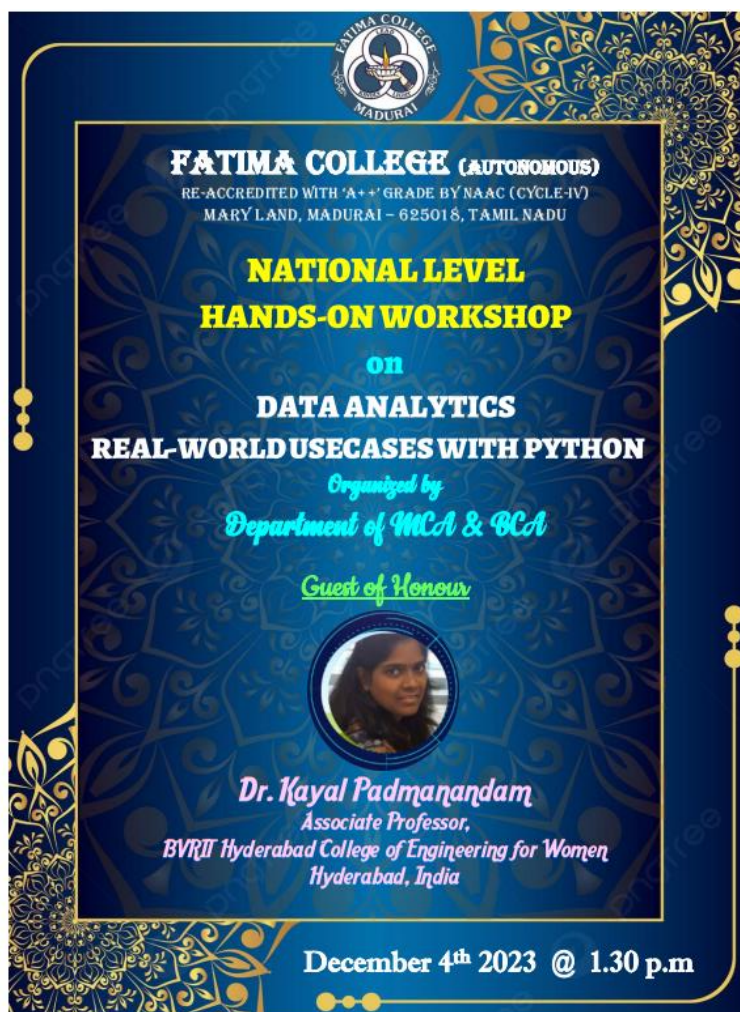
INVITATION:



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AGENDA:

1. Prayer Song
2. Welcome Address
3. Session on Data Analytics Real World Projects with Python
4. Question Answer Session
5. Vote of Thanks

REPORT:

The objective of this workshop was to provide hands-on experience and practical insights into data analytics using Python, highlighting its applications in real-world projects. The Session started with Prayer Song. After the welcome address the session was handed over to the resource person. **Dr. KAYAL PADMANANDAN, ACM Distinguished Speaker & Associate Professor, BVRIT Hyderabad** addressed the students and handled the session on



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“Data Analytics Real World Projects with Python”. The resource person began by emphasizing the significance of data-driven decision-making in today's business landscape. They demonstrated how Python's extensive libraries (Pandas, NumPy, Matplotlib, and Scikit-learn) facilitate data analysis, visualization, and modeling.

Key Takeaways:

1. **Data Preprocessing:** Handling missing values, data normalization, and feature scaling using Pandas and NumPy.
2. **Data Visualization:** Creating informative plots with Matplotlib and Seaborn to uncover trends and patterns.
3. **Machine Learning:** Implementing regression, classification, and clustering algorithms using Scikit-learn.
4. **Real-World Applications:** Case studies on customer segmentation, predictive maintenance, and sentiment analysis.

Interactive Session:

The lecture included:

- **Live Coding:** Demonstrations of data analysis and visualization using Jupyter Notebooks.
- **Q&A:** Students asked questions on project implementation, data sourcing, and model evaluation.
- **Group Discussion:** Participants explored potential applications of data analytics in various industries.

The guest lecture sparked enthusiasm among students, inspiring them to explore data analytics with Python. The session ended with the Vote of Thanks.

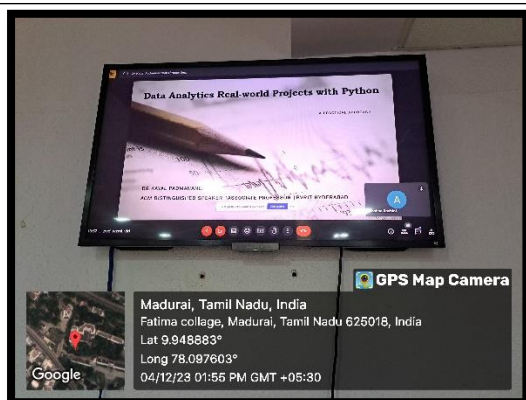
PHOTOS:



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Resource Person handling the session

through the online platform

Students listening to the session



Hands-on experience and practical insights into Data Analytics

BENEFICIARIES LIST:

S.NO.	REGISTER NUMBER	STUDENT NAME
I BCA		
1.	2023BC01	AARTHY JEEVITHA B



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3.	2023BC03	ADLINE SALETH REYANA P
4.	2023BC04	AKSHAYA M
5.	2023BC05	AKSHIEETHA S
6.	2023BC06	ALBERTINA SHERLIN R
7.	2023BC07	ANEESHA S
8.	2023BC08	ANGELINA P
9.	2023BC09	ANITHA C
10.	2023BC10	ASHIFA A
11.	2023BC11	ASHVIYA S
12.	2023BC12	ASWINI A
13.	2023BC13	BUJALAKSHMI B V
14.	2023BC14	DHARSHINI G
15.	2023BC15	FREDOLINA ROSELIN S
16.	2023BC16	GANASHREE S
17.	2023BC17	GAYATHRI M
18.	2023BC18	GOKILA S
19.	2023BC19	GOWRI K
20.	2023BC20	HARANI I
21.	2023BC21	HINDUJA K
22.	2023BC22	JEYARANI J
23.	2023BC24	KAVI PRIYA R
24.	2023BC25	MAHALAKSHMI S
25.	2023BC26	MOHANA SANKARI V M S
26.	2023BC27	NEEMATH SHARFAH I
27.	2023BC28	NIVETHA S
28.	2023BC29	ORITHA EZHILARASI J
29.	2023BC30	PRIYADHARSHINI P
30.	2023BC32	RAJARAJESHWARI K S
31.	2023BC33	RAJATHIRUMAGAL M



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33.	2023BC35	REHANA PARVEEN J
34.	2023BC36	SAMYUKTHA S A
35.	2023BC37	SIVASRI A
36.	2023BC38	SUBBULAKSHMI P
37.	2023BC39	SUDHEEKSHA S
38.	2023BC41	THATCHANAPRIYA A
39.	2023BC42	YUVAHARINI B
40.	2023BC43	DEESHIKA M
41.	2023BC44	NANDHITHA K
II BCA		
42.	2022BC01	AGALYA B K
43.	2022BC02	BELINDA B
44.	2022BC03	BHALA SHIVANI R
45.	2022BC04	BHARATHI R
46.	2022BC05	CECILIA MARY S
47.	2022BC06	DEEPIKA K
48.	2022BC07	DIVYADHARSHINI V M
49.	2022BC08	FAISUL RIFANA A
50.	2022BC09	FELIXYA MERLIN P
51.	2022BC10	HARINI S
52.	2022BC11	HEENA ALI J
53.	2022BC12	HERSHEL RAYEN P
54.	2022BC13	INDHUJA S
55.	2022BC14	JANANE S
56.	2022BC15	JEEVAJOTHI M
57.	2022BC16	KAMATCHI R
58.	2022BC17	KANISH RAHIMA J
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60.	2022BC19	KRISHNAPRIYA M



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62.	2022BC21	MAHALAKSHMI B
63.	2022BC22	MARI MOHANA K
64.	2022BC23	MARIA CHRISTINA JEFIRIN B
65.	2022BC24	NANDHINI A
66.	2022BC25	PON DIVYA DHARSHINI A
67.	2022BC26	PRAMIKA N
68.	2022BC27	PRIYANKA S
69.	2022BC29	RUBINA ASVITHA H
70.	2022BC30	SAMEENA BEGUM K
71.	2022BC31	SAMREEN J
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74.	2022BC35	SOWMIYA S
75.	2022BC36	SRINITHI K
76.	2022BC37	SUGANTHI M
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79.	2022BC40	THARSHINI PRIYA K S
80.	2022BC41	UDHAYA SRI M
81.	2022BC43	VIVEKA SRILAKSHMI K
82.	2022BC44	PREETHIGA C
83.	2022BC45	HARINI A
84.	2022BC46	DEESHIKA B
III BCA		
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86.	2021BC03	AMALA RENITHA B
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92.	2021BC09	FAZLINA Z
93.	2021BC11	INDUJA P T
94.	2021BC12	JEYA DHARSHINI J
95.	2021BC13	JEYA PRABA T
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107.	2021BC25	NARMADHADEVI M
108.	2021BC26	NIROSHINI R
109.	2021BC27	PAVITHRA J T
110.	2021BC28	PREETHI R A
111.	2021BC30	SAMYUKTHA J
112.	2021BC31	SHANMUGAPRIYA S
113.	2021BC32	SREENITHI G
114.	2021BC33	SUBATHRA B
115.	2021BC34	SWETHA K
116.	2021BC35	THILLAI INDHU T
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121.	2021BC41	NIVETHA R
122.	2021BC42	SOWBARNIKA M

123.	2021BC43	SUTHANTHIRADEVI S
124.	2021BC44	GAYATHIRI M
125.	2021BC45	APARNAA K


HOD Signature

Head of the Department
Department of Computer Applications
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Madurai-625 018