PRERNA COLLEGE OF COMMERCE,
RESHIMBAG SQUARE, NAGPUR
(Run By Prerna Sewa Mandal)
NAAC Accredited with "B Grade"

Department of Computer Science & Department of Computer Application

Organize

A

'Certificate Course in Data Analytics'

Date: 1st December 2021 to 11th December 2021

Time: 11.30 am to 2.30 pm

Conduct of Program : Online/Virtual

Patrons

Prof. R. C. Gulhane
President
Prerna Sewa Mandal,
Nagpur.

Dr. S. C. Gulhane
Secretary
Prerna Sewa Mandal,
Nagpur.

Dr. Pravin Joshi
Director
Prerna College of Commerce
Nagpur.

SCHEDULE for 'Certificate Course in Data Analytics'

SR.NO	TOPIC	NAME OF RESOURCE PERSON	DATE
1.	The meaning and scope of Data Analytics	Dr Bharti Deshmukh	01/12/2021
2.	Math behind Machine Learning & Artificial Intelligence using Python	Ms Rupali Surve	02/12/2021
3.	Data Analysis and Visualization with Excel SQL for Data Science	Mr Chandrashekhar Tople	03/12/2021
4.	Core and Advance Python Programming	Ms Priya Godbole	04/12/2021
5.	Effective Dashboards using Power BI	Ms Poorva Wagh	06/12/2021
6.	Business Intelligence and Visualization with Tableau	Ms Ankita Pathare	07/12/2021
7.	Data Structures and Algorithms	Mr Ajay Nanwatkar	08/12/2021
8.	Machine Learning & Artificial Intelligence	Dr Vijay Nikam	09/12/2021
9.	Data Analystics for Mechanical, Civil & EE Engineers	Mr Palash Feddewar	10/12/2021
10.	Advanced Deep Learning	Ms Neha Samundre	11/12/2021

Dr Ujwal Lanjewar
Principal,
Prerna College of Commerce, Nagpur

Programme Co-ordinator
Prerna College of Commerce

Program Coordinator
Dr Bharti Deshmukh (9403209892)

Registration Link: https://forms.gle/CeUdRRFwxRGJnVoh7
(After registration students must join the Whatsapp group)

Online Platform: - Google Meet (Link will be provided before 15 minutes of the program in the Whatsapp group.)

Feedback Form: - Feedback Link will be sent after the each program

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Reshimbag Square, Nagpur – 24
Govt. Recognised & Affiliated to Rashtrasant Tukadoji Maharaj, Nagpur University
NAAC (UGC) ACCREDITED INSTITUTION 'B' GRADE (CGPA – 2.32)
Ph.: 2745296, 2746840 E-mail : prernacollegengp@gmail.com
Website: www.prernacollegeofcommerce.com

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Coordinator

Dr Bharti Deshmukh

Programme Co-ordinator
Prerna College of Commerce

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REPORT ON CERTIFICATE COURSE IN DATA ANALYTICS

Prerna College of Commerce

Department : Department of Computer Application and Department of Computer Science

Programme: Certificate course on 'DATA ANALYTICS'

Resource Persons : Dr Bharti Deshmukh, Ms Rupali Surve, Mr Chandrashekhar Tople, Ms Priya Godbole, Ms Poorva Wagh, Ms Ankita Pathare, Mr Ajay Nanwatkar, Dr Vijay Nikam, Mr Palash Feddewar and Ms Neha Samundre

Date and Time: 1st December 2021 to 11th December 2021from 11.30 am to 2:30 pm

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Objectives: -

1. To explain the concept of Data Analytics and its scope in various fields.
2. To elaborate the various steps involved in Data analytics.
3. To explain the detailed concept of Data Visualization with Excel.
4. To explain the detailed concept of Data structure and algorithms used in Data analytics.
5. To explain the use of Tableau software for Data analysis and how to create reports and charts using Tableau.
6. To clear the concept of Maths behind Artificial Intelligence and Machine Learning using Python.
7. To elaborate the concept of Business Intelligence and Dashboard with Microsoft Power BI.

Highlights: -

The Certificate course in Data Analytics was organized for the students BCA, BSc (IT), BCCA, BSc, MSc (CS) and MCM of Prerna College of Commerce. The duration of the course was total 30 hours. On the first day Dr Bharti Deshmukh taught the concept of Data Analytics and its scope. She explained the importance of Big Data and also threw light on the roles of Data Analyst. Later on Ms Rupali Surve explained how to develop complex data structure. And also she explained how to solve linear algebra, calculus,

Programme Co-ordinator

probability theory and statistical problems in AI and MI using Python. Mr Chandrashekhar Tople gave practical knowledge of Excel and Sql in BI, Ms Priya Godbole cleared the basics of Python, Ms Poorva Wagh explained about what is Power BI and dashboard, Ms Ankita Pathare practically explained the use of Tableau software, Mr Ajay Nanwatkar cleared the concept of data structure and various algorithms, Dr Vijay Nikam gave introduction about Deep learning with the help of neural network, Mr Palash Feddewar gave the guidance about domain specific career application and Ms Neha Samundre explained the implementation of Deep learning in various fields. The certificate course was successfully completed on 11th December 2021.

Program Outcome: -

- Students learnt the concept of Data Analytics and its scope. Also they learnt the various roles of Data Analyst.
- They learnt the use of software like R, Sparx, Python in Data Analysis.
- Students learnt how to visualize data using Excel and SQL.
- They learnt the use of stack, queue, link list, tree, graph and complexity of algorithms necessary for Data analytics.
- The students learnt the use of Tableau software for Data analysis and they also learnt how to create reports and charts using Tableau.
- Students could clear the concept of Maths behind Artificial Intelligence and Machine Learning using Python.
- Also students learnt the concept of Business Intelligence and Dashboard with Microsoft Power BI.

No. of Beneficiaries : 200 Students

Anchoring and Vote of Thanks by: Dr Manjiri Pathak, Ms Afsha Khan, Ms Reena Urkande, Ms Bhagyashri Tijare

Programme Coordinator: Dr. Bharti Deshmukh, Assistant Professor, Department of Computer Application.

Programme Co-ordinator
Prerna College of Commerce