

(Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce)
Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai - 400086, Maharashtra, INDIA.

Website: www.rjcollege.edu.in • Email : rjcollege@rjcollege.edu.in • Tel No. + 91 22 25151763

College is recognized under Section 2(f) & 12(B) of the UGC Act, 1956

Affiliated to UNIVERSITY OF MUMBAI II NAAC Re-Accredited 'A' Grade (CGPA: 3.10)

Notice

04th July 2023

Department of Computer Science

Value Added Course

The Department of Computer Science, Hindi Vidya Prachar Samiti's, Ramniranjan Jhunjhunwala College of Arts, Science and Commerce (Autonomous) is Organizing Value Added Course on "Advanced Data Analytics" from 10th July 2023 to 2nd August 2023 in offline mode for TY Science Stream students of RJ College.

Registration link: https://forms.gle/tQmMK4f4XzjbWBUC9

(**Note:** Batch size = 60 students on the basis of first come first serve)

In-Charge

AUTONOMOUS AUTONOMOUS

Principal

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Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA



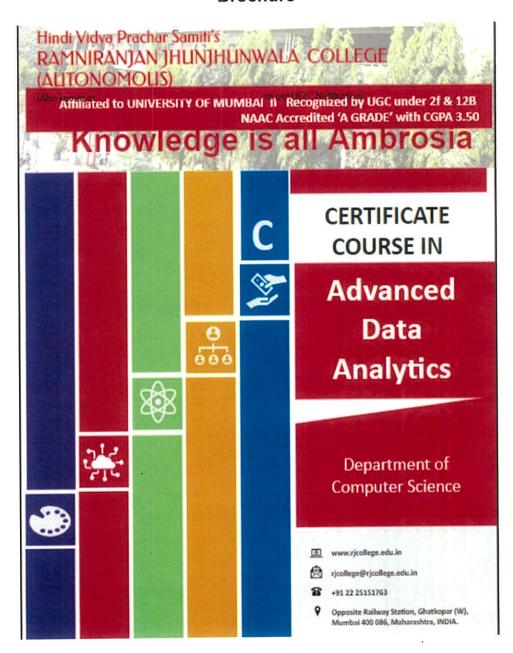
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Brochure





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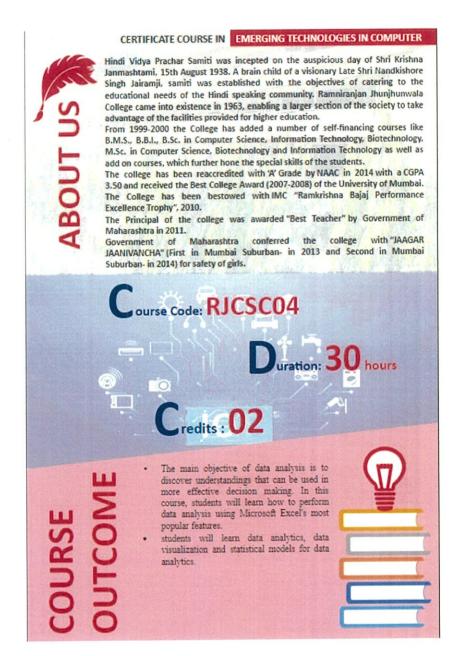
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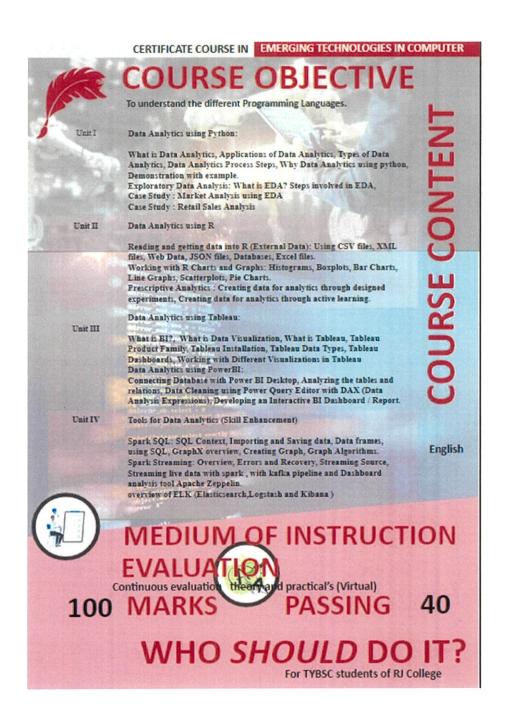


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DEPARTMENT OF COMPUTER SCIENCE

Organizes Value Added Course

ADVANCED DATA ANALYTICS

√ Python

√ Spark SQL

√ R

√ Spark Streaming

Tableau

✓ ELK

Power BI

10th July 2023 To 2nd August 2023

12.00pm to 02.00pm

Venue: Computer Science Lab 1, 5th Floor RJ College

Note: For TY Science Stream Students of RJ College



Registration Link: Click Here

Batch Size: 60 students

On the basis of first come first serve

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Time Table

Value Added Course "Advanced Data Analytics" Time Table (2023-2024)

Day	Date	Time	Topics
1	10/7/2023	12:00 pm - 2:00 pm	What is BI?, What is Data Visualization, What is Tableau, Tableau Product Family, Tableau Installation, Tableau Data Types
2	11/7/2023	12:00 pm - 2:00 pm	Tableau Dashboards, Working with Different Visualizations in Tableau
3	13/07/2023	12:00 pm - 2:00 pm	What is Data Analytics, Applications of Data Analytics, Types of Data Analytics
4	14/07/2023	12:00 pm - 2:00 pm	Data Analytics Process Steps, Why Data Analytics using python, Demonstration with example.
5	15/07/2023	11:00 pm - 1:00 pm	What is EDA? Steps involved in EDA, Case Study : Market Analysis using EDA
6	17/07/2023	12:00 pm - 2:00 pm	Case Study : Retail Sales Analysis
7	18/07/2023	12:00 pm - 2:00 pm	Using CSV files, XML files, Web Data, JSON files, Databases, Excel files.
8	19/07/2023	12:00 pm - 2:00 pm	Histograms, Boxplots, Bar Charts, Line Graphs, Scatterplots, Pie Charts.
9	20/07/2023	12:00 pm - 2:00 pm	Creating data for analytics through designed experiments
10	21/07/2023	12:00 pm - 2:00 pm	Creating data for analytics through active learning.
11	22/07/2023	11:00 am - 1:00 pm	Data Analytics with Spark SQL, Spark Streaming. Apache Kafka and overview of ELK (Elasticsearch,Logstash and Kibana)
12	24/07/2023	12:00 pm - 2:00 pm	Test 2
13	01/08/2023	12:00 pm - 2:00 pm	Connecting Database with Power BI Desktop, Analyzing the tables and relations
14	02/08/2023	12:00 pm - 2:00 pm	Data Cleaning using Power Query Editor with DAX (Data Analysis Expressions), Developing an Interactive BI Dashboard / Report.
15	02/08/2023	2:00 pm- 4:00 pm	Test 1



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REPORT

VALUE ADDED COURSE

"Advanced Data Analytics"

Department of Computer Science

Date: July 10,2023 To August 2,2023

Time: 12:00 pm To 2:00 pm

Venue: Computer Science Lab-II

Students Benefited: TYBSC students from all streams of Ramniranjan Jhunjhunwala College

Resource Person: Mr. Rahul Tyagi, Prof. Anita Gaikwad, Prof. Tejaswee Pol, Prof. Vinita Singh.

About Resource Person:

Mr. Rahul Tyagi has worked as an application developer for 6+ years. He worked as a big data and cloud computing engineer for 2+ years. He is working at Cognizant for Google as a Mobile Cyber Security Analyst. He is working at Cognizant for Google as reverse engineering and application cyber security analyst.

Included Courses: Python, R, Tableau, Power BI, Spark SQL, Spark Streaming, ELK

Number of students Enrolled for the course: 102

Number of Students Eligible for Certificate: 61

The Department of Computer Science has organized a Value-Added Course for Undergraduate Students of all streams of TYBSC on 'Advanced Data Analytics' using Python, R, Tableau, Power BI, Spark SQL, Spark Streaming, ELK from 10th July 2023 to 2nd August 2023.

The students were Guided about the data analysis in R, Tableau, Power BI, Spark SQL, Spark Streaming, ELK and what are the future scope available in it.

The Duration of value-added course is 30 hours out of which 26 offline sessions are conducted and 4 sessions assigned for evaluation purposes.

Total 102 Students enrolled in the course out of which 61 students are eligible for the certificate.



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Objective of the session:

The Value-Added Courses aim is to provide additional learner centric graded skill oriented technical training, with the primary objective of improving the employability skills of students. The main objective of the program is to make students learn about how exploratory data analysis is being done using Python, R, Tableau, Power BI, Spark SQL, Spark Streaming, ELK.

Outcome:

The outcome of advanced data analysis is to discover understandings that can be used in more effective decision making. The students will learn data analytics, data visualization and statistical models for data analytics.



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List of Students Who Completed the Value Added Course on "Advanced Data Analytics"

Sr. No.	Roll No.	Class	Student Name
1	5454	TYBSc CS	Sakshi Pramod Gupta
2	201	TYBSc Physics	Namrata Dayanand Sutar
3	5430	TYBSc CS	Rohan Maurya
4	5478	TYBSc CS	Satyam chaurasiya
5	5425	TYBSc CS	Harsh singh
6	5484	TYBSc CS	Deepak Dinesh Saudai
7	5497	TYBSc CS	Himanshu Yadav
8	5449	TYBSc CS	Shreya Chaurasiya
9	88	TYBSc CS	TRIPATHI RAJ JAI PRAKASH SUNITA
10	5446	TYBSc CS	Aaryaman Sudhakar Rekha Singh
11	6414	TYBSc	Ariba Yunus Khan
12	6451	TYBSc	Suraj Yadav
13	5428	TYBSc	Tushar Vijay Gurav
14	5509	TYBSc	Vikesh Kumar Prajapati
15	6445	TYBSc	Omkar Baburao Shinde
16	5438	TYBSc	GYANENDRA DUBEY
17	5445	TYBSc CS	Riya Sajanlal Gupta
18	5472	TYBSc	Bhim Shivnarayan Gupta
19	5494	TYBSc	Ajay Patidar
20	5404	TYBSc	Shrawani Khebade
21	5408	TYBSc	Yash Arote
22	5459	TYBSc	Rajan Yadav
23	5474	TYBSc	Vikas Maurya
24	5435	TYBSc	Omkar Gavhane
25	5427	TYBSc	Ankita Jaiswal
26	5403	TYBSc	Jayalaxmi Mudaliar
27	5480	TYBSc	Ankit Harilal Prajapati
28	5410	TYBSc	Gayaprasad Mangaruprasad Gupta
29	5465	TYBSc CS	Hiren Punjani
30	5414	TYBSc CS	Shaikh Mohammed Maaz
31	5498	TYBSc	Yadav Nitesh Kailash Sheela
32	6416	TYBSc IT	Raj Radheshyam Tripathi
33	5415	TYBSc	Sneha Madhav Rajurikar

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34	6425	TYBSc IT	Shaikh Farhan Absar
35	216	TYBSc	Aditya Jaiprakash Yadav
36	5405	TYBSc	Manas vinod khude
37	6428	TYBSc IT	Diksha MukeshKumar Singh
38	5421	TYBSc	Krishna Santosh Singh
39	5412	TYBSc	Siddhi Sudhir Bachhe
40	5452	TYBSc	Ruchi Tiwari
41	5413	TYBSc	Juli Ajay Chaurasiya
42	6431	TYBSc	Chauhan Laxmi Santosh
43	5432	TYBSc	Manas Harshal Aher
44	5467	TYBSc	Harsha Ganesh Prasad
45	5464	TYBSc CS	VISHNU RAKESH DUBE
46	6421	TYBSc	Sweta Rambali Maurya
47	5423	TYBSc	Pratik Dnyaneshwar Baste
48	5473	TYBSc CS	Alok Ranjit jha
49	226	TYBSc Physics	Rajish Radhakrishnan
50	5503	TYBSc CS	Santosh Sahu
51	5492	TYBSc	Chandani Suresh Gupta
52	210	TYBSc Physics	Mansi Rajendra saw
53	5502	TYBSc CS	Ziya tabassum abrar khan
54	5499	TYBSc CS	Arpit Yadav
55	222	TYBSc Physics	Shweta Rajesh Kumar chaurasiya
56	5448	TYBSc CS	Tanvi Kiran More
57	5493	TYBSc	Fatima Rehmatullah Mirza
58	5401	TYBSc CS	Mohit Parkar
59	5456	TYBSc CS	Ranvijay Singh
60	5501	TYBSc	Pramod gupta
61	73	TYBSc Chemistry	Jibraan Khan



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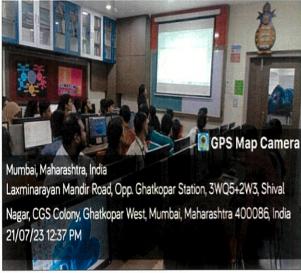
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Photos of Students During Value Added Course on "Advanced Data Analytics"









STUDENT PARTICIPANTS IN LAB DURING THE SESSION ON Advanced Data Analytics



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Certificate Of Excellence



This certificate is awarded to

Sakshi Pramod Gupta

For successfully completing the Value-Added Course in "Advance Data Analytics" with a Grade A held on July 10- August 02, 2023.

Prof Mrs. Anita Gaikwad Head of CS Department Dr. Himanshu Dawda Principal





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