



R. J. COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

(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 Fax No: +91 22 25150957

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: 3.50)

DEPARTMENT OF INFORMATION TECHNOLOGY

Notice

02/12/2019

A two-day workshop on **Project Guidance on Machine Learning and Natural Language processing** will be organized for MSc (IT) students to upgrade their knowledge on project development

Program Details are as under:

Resource Person: Mr. BasantKumar Tiwari (Data Scientist),
Linedata Solution Ltd.,
Vikhroli

Date: Friday, December 6 & Saturday, December 7, 2019

Program Time: 10.00 AM to 2.00 PM

Venue: Lab 1

Bh
2/12/19
Bharati Bhole

Cordinator Msc (I.T)



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

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2008: Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence' for the year 2009

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Basantkumar Tiwari

India · (91) 8652179432 · basantbntiwari@gmail.com · [linkedin.com/in/basantbntiwari](https://www.linkedin.com/in/basantbntiwari)

May2019 - Present (Data Scientist)

Linedata Solutions

Role and responsibilities

- Lead discussions and assess the feasibility of AI/ML solutions for business processes and outcomes
- Used statistical tools to identify, analyze, and interpret patterns and trends in complex data sets, it could be helpful for the diagnosis and prediction
- Created analytics solutions for businesses by combining various tools, applied statistics, and machine learning
- Interpreted trends and patterns and presented information using data visualization techniques
- Build models to address business problems
- Prepared reports for the management stating trends, patterns, and predictions using relevant data
- Performed analysis to assess the quality and meaning of data
- Removed corrupted data and fixed coding errors and related issues

Sep2015-May2019 (Data Scientist and Senior Data Analyst)

TCS Limited

Role and responsibilities

- Recommended solutions to improve new and existing database systems
- Build the infrastructure required for optimal extraction, transformation, and loading of data from a wide variety of data sources using SQL\NOSQL dbs and AZURE 'big data' technologies
- Created and maintain optimal data pipeline architecture, Assemble large, complex data sets that meet functional / non-functional business requirements
- Defined data flows, which parts of the organization generate data, which require data to function, how data flows are managed, and how data changes in transition
- Analyzed huge amounts of data, both structured and unstructured and presented using data visualization tools

Sep2014-Sep2015 (Data Engineer)

Kotak Securities

Role and responsibilities

- Designed and implemented effective database solutions and models to store and retrieve company data
- Optimized new and current database systems
- Analyzed and resolved SQL\MySQL\MongoDB performance issues and Performance Tuning
- Defined reference architecture, which is a pattern others can follow to create and improve data systems
- Worked on SSIS and SSRS Report

Nov2014-Sep2014 (Asp.Net Developer)

Shawman Software

Role and responsibilities

- Designed, created and maintained applications using the .NET platform and environment
- Understand requirements and transform them into functional applications in line with business objectives
- Maintain and upgrade existing applications and fix issues
- Writing optimized SQL queries for integration with other applications

Education Qualification

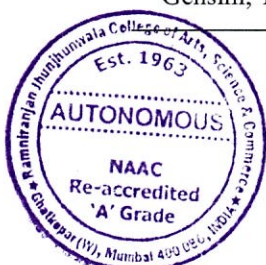
Master in Information Technology from Mumbai University

Hard Skill

Machine learning (Advanced), Predictive Analytics, Risk Analysis, NLP, Search Engine, Data Modelling, multivariate Calculus, Data Mining, Data Visualization, Data Lake, Containerization

Soft Skills

Python, SQL, MySQL, PySpark, PowerBI, Tableau, Pandas, Sklearn, Scipy, Seaborn, Docker, NLTK, Spacy, Gensim, Textblob, CoreNLP, MongoDB, dc.js, C#, Javascript, Databricks, Azure, SSIS, Hive, Sqoop, MapReduce




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PSKENAssistant

- The Production Services Ken Assistant was built with the intent of providing the most relevant results when searching for tickets
- The tool we have built has the ability to provide an intelligent search retrieving with the best ticket matching the users query, and incorporates Natural Language Processing (NLP) and Machine Learning (ML)
- Keyword search- We have incorporated the means to search for exact matches
- Semantic search- This method allows for the ability to find tickets that match a query on a contextual basis

Signal Review

- Operational losses are correlated to market movements and the desire here is to predict an early warning of potential losses
- This tool read data from various sources and predict the probability of any upcoming loss scenarios and sent alert message to user accordingly
- It uses Machine learning algorithm and in training phase it identifies key risk attribute and based on that it generate loss probability

Decision Fabric

- Decision fabric is a fully validated pharmacovigilance software for managing the adverse reactions and eventually do advanced analysis like signal detection and aggregate reporting using natural language processing and text analysis. In addition to being functionally rich, it is essential also that the system is validated as per regulatory requirements electronic reporting to the FDA, EMA and other global regulatory authorities
- It is robust platform with a set of futuristic capabilities like cognitive computing including artificial intelligence, robotic process automation and machine learning / text mining
- It has capability of doing Social media/ web analytics using natural language processing

Integrated Patient Safety

- It involved detecting anomalies in clinical data for early-stage drug & device projects
- The data had fundamental challenges by way of lack of data before clinical trials, smaller training datasets for certain ailments, high dimensional datasets, bias, noise, lack of reliability, uniqueness within datasets apart from the usual challenges such as feature engineering based on domain expertise, missing data, time stamps, time series drifts & spikes, etc
- The datasets explored included breast cancer datasets, migraine pain report datasets, and adverse event

Basant Tiwari
Certified Data Science Professional

basantbntiwari@gmail.com / 8652179432
[linkedin.com/in/basantbntiwari](https://www.linkedin.com/in/basantbntiwari)

Years of experience on Domain

Domain: ● Fintech ● Health Care ● Others

2 (20%)
4 (40%)
4 (40%)

Total Experience	AI Project	NLP Project	Big Data	Cloud	ETL Tool	CI/CD	Web Project
10	4	2	3	2	3	3	2

Rating on Technologies

Rating out of 10

Yearwise Company and Role

Role: ● Asp.Net Developer ● Data Engineering ● Data Scientist ● Senior Data Analyst

Rating on Tools

Rating out of 10



Use

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Department of Information Technology

Two Day workshop on "Machine learning and Natural Language Processing"

Capability enhancement and development scheme

Date: 6 December 2019 to 7 December 2019

Time: 10:00

AM - 02:00 PM

Teachers Involved:

1. Prof. Archana Bhide
2. Prof. Bharati Bhole
3. Prof. Jeba Roselet
4. Prof. Prachi Surve
5. Prof. Punam Sindhu
6. Prof. Priyasha Sawant
7. Prof. Aditi Prajapati

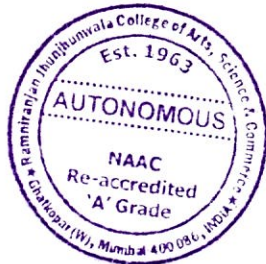
Number of Students participated: M.Sc. I.T. - 12

Resource Person:

Mr. BasantKumar Tiwari(Data Scientist), Linedata Solution Ltd., Vikhroli

Content of session :

Mr. Basant showed a live demonstration of his project. His project showcased how data cleaning is performed on unstructured data. Then the cleaned data is processed further to query the output. Query processing is performed through tickets.




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PROJECT GUIDANCE ON MACHINE LEARNING AND NATURAL LANGUAGE
PROCESSING

LIST OF STUDENTS

DATE

6/12/2019

SR.No.	NAME	CLASS
1	NILU R. SINGH	MSCIT-II
2	VINITA POOJARI	MSCIT-II
3	SURAJ SINGH	MSCIT-I
4	ANSHIKA YADAV	MSCIT-II
5	SEHER BANO KHAN	MSCIT-II
6	SHIVAM PUSHPAKAR	MSCIT-II
7	SANDEEP KADU	MSCIT-II
8	SHASHANK SHUKLA	MSCIT-II
9	SHRADDHA YADAV	MSCIT-II
10	AKASH SHUKLA	MSCIT-II
11	SHUBHAM VISHWAKARMA	MSCIT-II
12	SHUBHAM MISHRA	MSCIT-II



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LIST OF STUDENTS**

DATE

7/12/2019

SR.No.	NAME	CLASS
1	NILU R. SINGH	MSCIT-II
2	VINITA POOJARI	MSCIT-II
3	SURAJ SINGH	MSCIT-I
4	ANSHIKA YADAV	MSCIT-II
5	KHAN SEHER BANO	MSCIT-II
6	VIKAS YADAV	MSCIT-II
7	SHIVAM PUSHPAKAR	MSCIT-II
8	SANDEEP KADU	MSCIT-II
9	SHUBHAM MISHRA	MSCIT-II
10	SHASHANK SHUKLA	MSCIT-II
11	SHRADDHA YADAV	MSCIT-II
12	AKASH SHUKLA	MSCIT-II



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This is to certify that Mr. / Ms. Nilu Singh of class **MSc IT - II** has attended a Two Days Workshop on "Project Guidance on Machine Learning" conducted by Department of Information Technology on 6th and 7th December, 2019.

Shide

In-charge

Vishu

Principal



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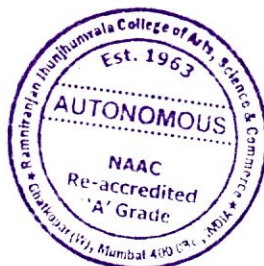
This is to certify that Mr. / Ms. Vikas Yadav of class **MSc IT - II** has attended a Two Days Workshop on "Project Guidance on Machine Learning" conducted by Department of Information Technology on 6th and 7th December, 2019.

Shide

In-charge

Vishu

Principal



Vishu

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