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NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY

NBA Accredited *NAAC Accredited with “A+” grade
(An ISO 9001 – 2008 Certified Institution)

Affiliated to Visvesvaraya Technological University (VTU)
Recognized by Govt. of Karnataka & Approved by A.I.C.T.E. New Delhi
**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**



A Report on

Seven Days Hands on value added Course
on
“Machine Learning with Data Analytics”

Date: 5th to 11th July 2023

Venue: ECE Seminar hall

Resource person: **Dr. Vishwakiran S & Vijay Kumar A S, Aparamyah Technologies Bengaluru**

Overview

About the Course

Data analytics refers to the process of examining, cleaning, transforming, and modeling data to uncover useful insights, draw conclusions, and support decision-making. It involves applying various techniques and tools to extract valuable information from raw data. As Data analytics involves several stages such as Data collection, Data cleaning and preprocessing, Data exploration and visualization, Data modeling and analysis Data interpretation and reporting. The course aims to lay strong foundation for some one to become data analyst and exposes participants on various stages of data analytics.

Highlights of the Training

- Fundamental and advanced Concepts of Python for data analytics
- Concepts of Machine learning
- Source code explanation of four real time projects
- Resume Building Session
- Prizes for students (Based on project understanding and profile writing)
- Industry readiness

A Seven Days value added Course on Machine learning with Data Analytics” was conducted for 4th semester ECE students by resource person Dr. Vishwakiran S and Vijay Kumar A S, Aparmeyah Technologies Bengaluru . Data analytics refers to the process of examining, cleaning, transforming, and modeling data to uncover useful insights, draw conclusions, and support decision-making, It involves applying various techniques and tools to extract valuable information from raw data. As data analytics involves several stages such as data collection data cleaning and preprocessing , data exploration and visualization, data modeling and analysis data interpretation and reporting. The course aims to lay strong foundation for someone to become data analyst and exposes participants on various stages.

Aparmeyah Technologies

Aprameyah Technologies Pvt. Ltd. are Learning services company providing training & development offerings in Technologies, leadership, communication and behaviour, they have been partnering clients for ever 15 years with a conviction “partnering” is about nurturing an enduring relationship that is based on trust performance and staying true to words. They offer wide range of Technology offerings from platforms/tools that span the development cycle to languages (open & proprietary),databases. methodologies,



Resource Person

Dr. Vishwa Kiran S having 19+ years of experience in Information Technology , 3 Years of research experience , Full Time PhD Scholar between November 2013 to October 2016 at University Visvesvaraya College of Engineering. Work experience spanning over multiple functions like – development, training, content development, restructuring, up-gradation and formulation of lab experiments for practical implementation .Handled corporate training assignments for Wipro, HP, Samsung, Nokia, L&T, Sasken, Cisco, Texas Instruments and Siemens , Preferred corporate trainer for Volvo, Cisco, Siemens. Hitachi Global Storage Technologies Ltd, a Western Digital Company - Japan, Dexterous in assimilating Functional Requirements and comprehending Design Documents and Ability to multi task across activities such as client engagements, consulting, training and solution design with excellent report making and presentation skills.

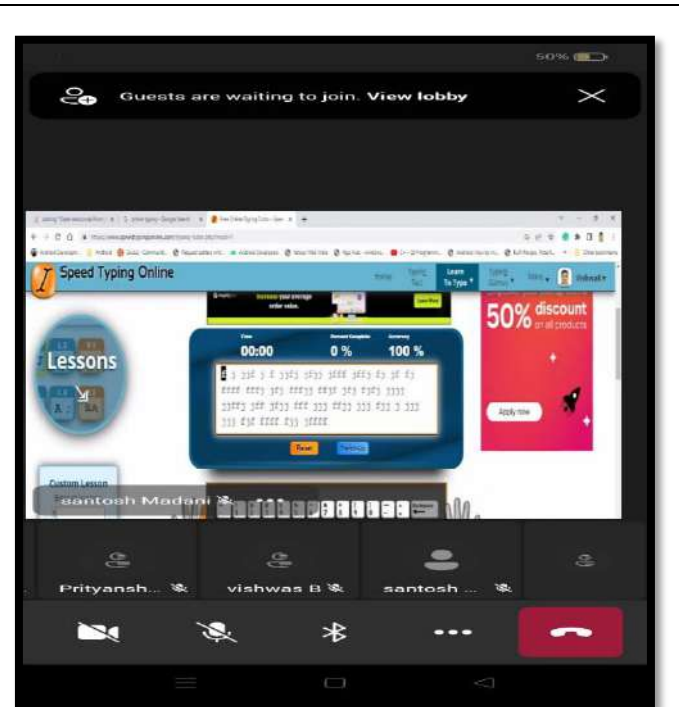
Vijay Kumar A S_Successfully developed skills in understanding, designing, implementing and training on various systems with good understanding of the customer needs. Proficient with design and development of online client server systems. Good programming skills and knowledge of various GUI

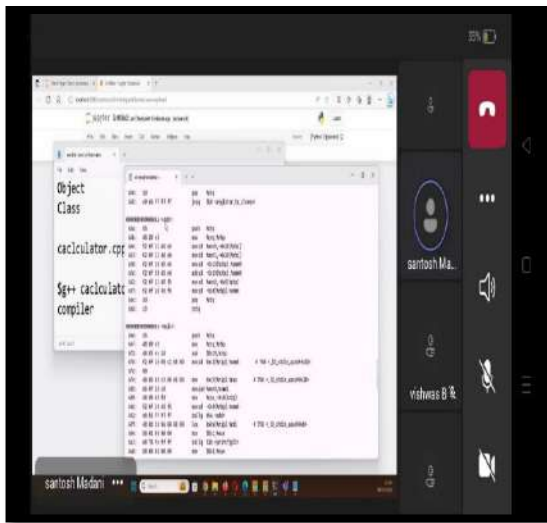
tools and other programming languages ,Good knowledge of Data Structures. Good knowledge in installation, implementation and maintenance of applications and database. Excellent written and verbal communication skills, Excellent track record in imparting end user and developer training. Excellent in delivering technical expertise Enthusiastic Data Scientist (ML, DL, NLP & AI)

Value Added Course Brochure :

Chief Patrons	Organising Committee	 <p>NAGARJUNA COLLEGE OF ENGINEERING & TECHNOLOGY An Autonomous Institution under VTU and Recognised by AICTE</p> <p>Organises Hands on Value Added Course on Machine Learning with Data Analytics</p> <p>Date: 5th to 11th July 2023</p> <p>In association with </p> <p>Organised by</p>
Sri. J V Ranga Raju Chairman, NES	Dr. Venkatesh Kumar H Dept. of ECE, NCET	
Patrons	Dr. Rohith S Dept. of ECE, NCET	
Sri. J Chaitanya Varma CEO, NES	Dr. Ajay Kumar Dwivedi Dept. of ECE, NCET	
Mrs. Bhanu Chaitanya Varma COO, NES	Dr. Vivek Singh Dept. of ECE, NCET	
Dr. S G Copala Krishna Director, NES, Bengaluru	Dr. Vinay N A Dept. of ECE, NCET	
Program Chair	Dr. Ravi Kumar M G Dept. of ECE, NCET	
Dr. B V Ravishankar Principal, NCET	Dr. Murthy M Dept. of ECE, NCET	
Convener	Prof. Mahesh M R Dept. of ECE, NCET	
Dr. K N Nagesh Professor and HOD, Department of ECE, NCET Bengaluru-562164. Mobile: 9986937022 Email: hodce@ncetmail.com	Prof. Nanda Kishore Dept. of ECE, NCET	
Coordinator	Prof. Jyothi S K Dept. of ECE, NCET	
Mr. Srinivasulu K N Asst. Professor, Department of ECE NCET Bengaluru-562164. Mobile: 9986937022 Email: sreen0005@ncetmail.com	Prof. Shashi Kiran R Dept. of ECE, NCET	
	Prof. Deepthi Prakash Dept. of ECE, NCET	
	Prof. Naghma Anjum Dept. of ECE, NCET	
	Prof. Pallavi Singh	

Glimpse Of the Course :





Students actively participating in the value added Course

Course Outcomes:

1. Students were able to acquire a fundamental understanding of the analytical techniques and software tools necessary to effectively generate useful information from structured and unstructured datasets of any size
2. Work with data in Python, including the reading and writing of files and loading, working, and saving data with Pandas
3. Perform data analytics using popular Python libraries.
4. Detailing on different Ideas and Assigning Students to work on Projects
 - i. Super Market Customer Segmentation Analysis
 - ii. Bangalore Real Estate/Property Analysis

Resume Building Activity :

Activity Link - <https://forms.gle/G7PkVQ2vkKVhvcJN6>

Questions Responses 00 Settings

Upload your CV - Resume Building Session

Upload your resume

Student Name *

Short answer text

Upload your CV *

Add file View folder

This screenshot shows a Google Forms interface for a 'Resume Building Session'. The form includes a title, a text area for 'Upload your resume', a required 'Student Name' field, and another 'Upload your CV' field with an 'Add file' button and a 'View folder' link. The top navigation bar shows 'Questions', 'Responses' (00), and 'Settings'.

Assesment:

Test Link : <https://forms.gle/AuDfhbV7b2DKLLQF7>

Questions Responses 117 Settings Total points: 15

Assessment-Value Added Course

Quiz on Value added Course - Department of ECE organised a Value Added Course on 'Machine Learning with Data Analytics' from 5th july 2023 to 11th july 2023

Untitled Title

Description (optional)

Name *

Short answer text

This screenshot shows a Google Forms interface for an 'Assessment-Value Added Course'. The form includes a title, a text area with a quiz description, an 'Untitled Title' field, a 'Description (optional)' field, and a required 'Name' field. The top navigation bar shows 'Questions', 'Responses' (117), 'Settings', and 'Total points: 15'.

Feedback :

Feedback Link - <https://forms.gle/WBnuBesgbDW6EZwz8>

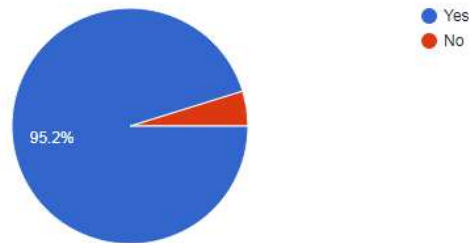
Value Added Course Feedback Form 2022-23


Department of ECE organised a Value Added Course on
"Machine Learning with Data Analytics" from 5th July 2023 to 11th July 2023

Whether the Value Added Course was interactive?

 Copy

104 responses

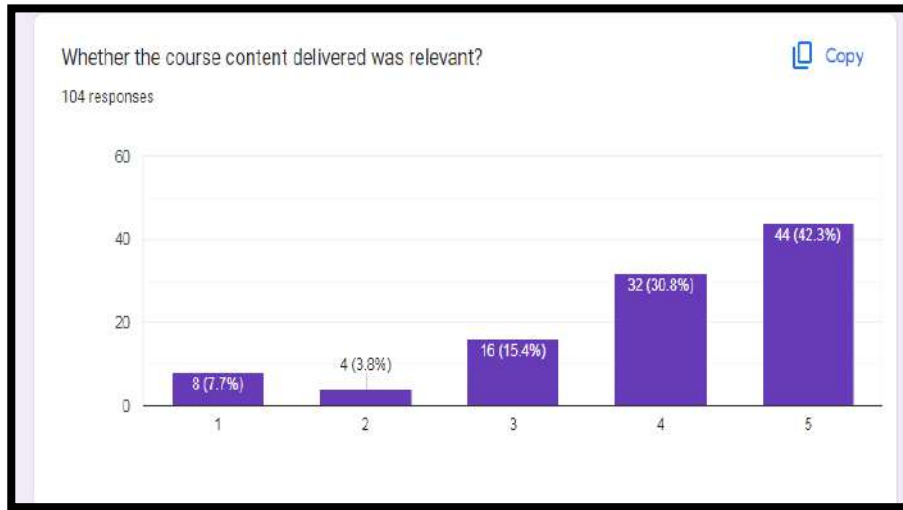


Innovative techniques used by Trainer during the programme like (pts, materials etc.)  Copy

*

104 responses





Any Suggestions/Comments	Any Other Topics on which you such sessions need in future?
The session was useful	No
Nothing	Nothing
...	...
..	Yes
3 4 th day classes were good But 1 2 nd day were not able to understand	VLSI
Excellent	Excellent
3and 4 day was good	VLSI
1 and 2 we can't understand anything we feel bored.....but 3 class is excellent	Vlsi
Very good	Yes..
It was good	Nothing
I loved the whole session... And I need these more... i learnt all the basics of python	Advanced python programming
No comments	About real time analysis
It was good	Yes it is necessary which ever is useful for placements
Good	We don't have idea of new topics The trainers should tella or guide us which are important for our future
I understood fully what they thaught	Advanced python
No	New innovations

A total of 100 Students from IV Semester participated in the Seven days *value added Course*, which was coordinated by **Mr. Sreenivasulu K N and Mr. Sunil T, Mrs. Deepthi Prakash, Mrs. Rani B A, Assistant professor, Dept. of ECE.**

We thank our Management, beloved principal Dr. B V Ravishankar and our Head of the department, Dr. Nagesh K N, Dr Rohith S for their constant support and guidance.

Co-Ordinator

Mr. Sreenivasulu K N

HOD

Dr.Nagesh K N