TECNIA INSTITUTE OF ADVANCED STUDIES **GRADE "A" INSTITUTE** Approved by AICTE, Ministry of Education Govt. of India, Affiliated to GGSIP University Recognized Under Sec. 2(f) of UGC Act 1956 **INSTITUTIONAL AREA MADHUBAN CHOWK, ROHINI, DELHI 110085** Tel:91-11-27555121-24, E-Mail : directortias@tecnia.in, Website: www.tiaspg.tecnia.in	**Master of Computer Applications**

**Report
On
Value Added Course: Certificate Course in Data Analytics using Excel**

ACTIVITY : Value Added Course

Title : Certificate Course in Data Analytics Using Excel

Values: Domain Knowledge; Modern Tool Usage; Professional Ethical Edification

Organized by : Department of Information Communication and Technology

Program Theme : Certificate Course in Data Analytics Using Excel

Objective: The purpose of this course is to equip students with the knowledge, skills and tools necessary to work effectively with data and derive meaningful insights from it. The course will make students to be able to understand the basic concepts of data collection, cleaning, exploration and visualization, allowing them to apply their knowledge and skills to solve practical problems.

Internal Expert : Dr. Vinay Kumar Nassa

Resource Person Profile : Dr. Vinay Nassa is currently working in Tecnia Institute of Advance Studies as a Dean & Professor, ICT. He has 27 years of teaching experience; his expertise is in Artificial Intelligence and Deep neural network etc.

Date   : 05-10-2023 to 15-12-2023

Time   : 3:00 pm to 4:00 pm

Venue   : Offline, Room No. 2304, UG Building

Poster/Flyer/Notice*

Social media link *(promoting in any one Facebook/Instagram/Twitter is mandatory)*	https://www.instagram.com/tecniaofficial?igsh=MXdxdzZwb2EwaWszNg==
No. of Students *(only no. to be written, list in excel or word should be maintain at department level as proof for any further requirement)*	51

No. of Faculty *(only no. to be written , list in excel or word should be maintain at department level as proof for any further requirement)*	01

(Geotag) Photograph	
Photograph	
Report: Description in (min 250 to max 800 words)	Data Analytics Using Excel is a comprehensive course designed to equip participants with the essential skills and knowledge needed to effectively analyze data using Microsoft Excel. In today's data-driven world, proficiency in Excel for data analysis is a valuable asset across various industries and roles. This course is suitable for beginners with no prior experience in data analytics as well as individuals seeking to enhance their Excel skills specifically for data analysis purposes. The course started with the introduction of Data analytics using excel and the resource person, Dr. Vinay Nassa made the students aware of the concepts of data analysis using excel and its significance in the field of Information Technology. The students learnt various methods of Data Collection, from various sources, including databases, sensors, social media platforms, and other sources. They learnt how to prepare and clean the data collected, formally known Data Preprocessing. Furthermore students learnt how to calculate descriptive statistics such as mean, median, mode, standard deviation, and variance using Excel's built-in functions. Also, the students delved into Excel's forecasting functions and explore techniques for predicting future trends and outcomes based on historical data. They also learnt how to evaluate the accuracy and reliability of forecasts. Besides this, participants worked on practical, real-world case studies and projects to apply their knowledge and skills in data analysis using Excel.

	Besides this, participants worked on practical, real-world case studies and projects to apply their knowledge and skills in data analysis using Excel. This hands-on approach was reinforced learning and provide valuable experience in solving real data analysis challenges. Finally, the students were assessed on the basis of Quiz, Practical and Viva voce and were given certificates based on their evaluation.
Learning Outcomes	The Learning Outcomes of Value Added Course as under: • Understand how to solve analytical problems in real-world scenarios • Define effective objectives for analytics projects • Work with different types of data • Understand the importance of data visualization to drive more effective business decisions and ROI • Understand charts, graphs, and tools used for analytics and use them to gain valuable insights • Create analytics adoption framework Identify upcoming trends in data analytics.
Attendance Sheet	Attached at the end of Report
Feedback	Sample feedback Attached at the end of Report
Report Submitted by VAC Coordinator(write *faculty coordinator name*)	Dr. Shalini Goel
For Office Use	
Shalini **Signature of VAC Coordinator**	*Shalini* HoD MCA-TIAS **Signature of School/Department Head** *(With Seal)*