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SCHOOL OF SCIENCE
DEPARTMENT OF MATHEMATICS

SUN/SoS/MATHS/A.Y.2026-27/126

Date- 02/10/2026

NOTICE

Subject: Value Added Program (VAP) on "Advanced Data Analytics" for SY & TY Students

The Department of Mathematics, School of Science, Sandip University, is organizing a **36-Hour Value Added Program (VAP)** on "**Advanced Data Analytics**" for Second Year (SY) and Third Year (TY) students for the Academic Year 2026-27.

This program is specifically curated to enhance practical skill sets in data science, analytics libraries, statistical computing, and data visualization.

Course Outline & Key Modules:

Module 1: Introduction to Data Analysis Libraries & NumPy Foundations

Module 2: Pandas DataFrames, Data Cleaning, & Handling Missing Values

Module 3: GroupBy Aggregations, Pivot Tables, Concatenation & Joins

Module 4: Exploratory Data Analysis & Feature Engineering

Module 5: Data Visualization using Matplotlib & Seaborn

Module 6: Capstone Hands-On Integrated Mini-Project

All eligible SY and TY students are hereby instructed to attend all sessions regularly and punctually. 100% attendance is mandatory to receive the course completion certificate.

Copy(s) to:
1. The HOD/Dean
2. Faculty Circular File
3. Student Notice Board

2/10/2026
Academic Coordinator

2-10-26
Head
Department of Mathematics
HoD Mathematics
Sandip University Nashik

02/10/26
Dean
School of Science

REPORT ON VALUE ADDED PROGRAM (VAP)

Details of the Event: Value Added Program (VAP)

Date of event: 5 October to 10 October 2026

Name of Event: Value Added Program (VAP)

Venue: SITRC MBA building Sandip Foundation, Nashik

Time: 10:00 AM to 5:00 PM

Name of Coordinator: Mr. Prathmesh Suryawanshi,

Number of Participants: 37

SY-Computational Mathemetics and data science

TY-Computational Mathemetics and data science

Organizing Committee:- Department of Mathematics, School of Science

Brief description of Event:

The Department of Mathematics, School of Science, Sandip University, Nashik, organized a Value Added Program (VAP) from 5 October to 10 October 2026 for students of Second Year (SY) and Third Year (TY) B.Sc. Computational Mathematics and Data Science. The program was conducted from 10:00 AM to 5:00 PM on the university campus, with the participation of 37 students.

The program was designed to enhance students' subject knowledge, develop practical skills, and provide additional learning opportunities beyond the regular curriculum. It aimed to bridge the gap between theoretical concepts and their practical applications, thereby supporting students' academic and professional development.

Objective of the Event:

1. To provide additional knowledge beyond the prescribed university curriculum.
2. To enhance students' conceptual understanding and practical skills.
3. To develop analytical thinking and problem-solving abilities.
4. To familiarize students with relevant computational concepts and applications.
5. To encourage active participation, collaborative learning, and knowledge sharing.
6. To prepare students for higher studies and future career opportunities.

Sustainable Development Goals (SDGs)

The Value Added Program (VAP), organized by the Department of Mathematics, School of Science, Sandip University, Nashik, from **5 October to 10 October 2026**, aligns with the following United Nations Sustainable Development Goals (SDGs):

1. SDG 4 – Quality Education: The program promoted quality education by providing additional learning opportunities beyond the prescribed curriculum. It enhanced students' conceptual understanding, practical knowledge, analytical thinking, and problem-solving abilities, contributing to their academic development and lifelong learning.

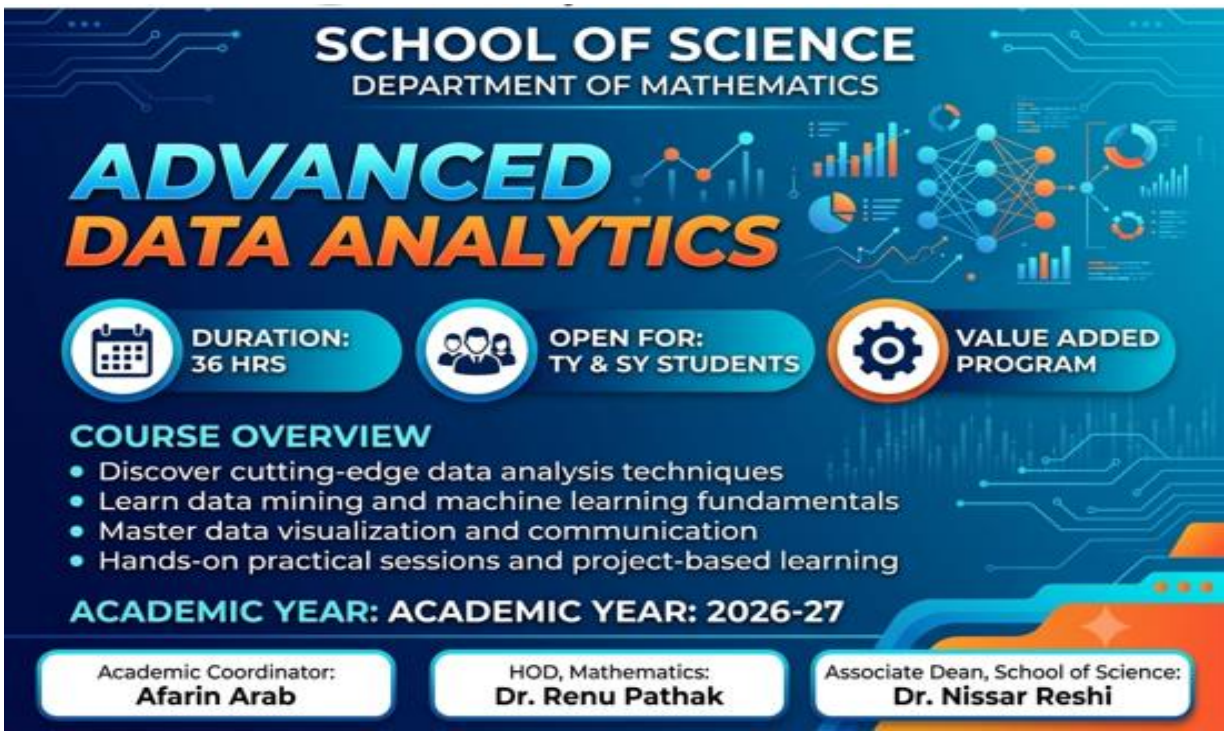
2. SDG 8 – Decent Work and Economic Growth: The program supported students' professional development by strengthening their computational knowledge, practical competencies, and problem-solving skills. These competencies can help prepare students for higher studies, employability, and future career opportunities.

3. SDG 9 – Industry, Innovation and Infrastructure: The program encouraged students to understand computational concepts and their practical applications. It supported the development of technical knowledge, analytical abilities, and innovative thinking relevant to Computational Mathematics and Data Science.

Outcome of the Event:

1. Students gained additional subject knowledge and improved their understanding of computational concepts.
2. Participants enhanced their analytical and problem-solving skills.
3. Students received opportunities to strengthen their practical knowledge and academic competencies.
4. The program encouraged active learning, collaboration, and intellectual development.
5. Participants gained greater awareness of the practical relevance of their academic studies.
6. The event supported the overall academic and professional development of SY and TY B.Sc. Computational Mathematics and Data Science students.

Event E-banner/Poster:



Event Photos:



Felicitation of Guests by HOD



Students Performing Hands-on Practical Activities



Industry Expert providing his insights to students



“Vote of Thanks Delivered at the Conclusion of the Program”

Academic Coordinator	Head Department of Mathematics	Dean School of Science

HoD Mathematics
School of Science
Sandip University Nashik