



A.V. COLLEGE OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)

(Affiliated to Osmania University)

Gaganmahal, Hyderabad-500029, Telangana

Accredited with 'B++' Grade by NAAC (3rd Cycle)

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ACTIVITY REPORT

(2025-26)

1. **Type of Activity** - Student centric Activity
2. **Title of Event:** Student Seminars on Differential equations
3. **Date of Event:** 07 November 2025
4. **Name of organizing Department:** Mathematics
5. **Name of Coordinator:** T. Sowmya Sri
6. **Weblink of Report provided to your DEPT / COLLEGE WEB-SITE :** [Link](#)
7. **No.of Participants List (with Attendance sheet):**
 - a. A V College - [List](#)
8. **Activity Program Details:**

- a. **Introduction - Introduction of the Activity**

The Student Seminar on Differential Equations was conducted to enhance students' understanding of an important topic in mathematics. Differential equations are widely used in science, engineering, economics, and other fields to model real-world problems. The activity aimed to improve students' conceptual knowledge and presentation skills.

- b. **Summary of the session :** Students actively participated by presenting their topics related to Differential Equations. Each participant explained key concepts, types, and applications of differential equations using PowerPoint presentations. The session was interactive, and students discussed real-life applications in various fields such as physics, engineering, and economics. Faculty guidance was provided throughout the session to support learning and clarity of concepts.

c. Conclusion of the Session

The seminar helped students understand the importance of differential equations in mathematical modeling and real-world applications. It improved their subject knowledge, presentation skills, and confidence. The session successfully achieved its objective of promoting effective and applied learning.

9. Outcomes / Benefits :

- Improved understanding of differential equations and their applications
- Enhanced presentation and communication skills
- Increased student participation and confidence
- Strengthened conceptual and analytical thinking
- Encouraged active and experiential learning

10. Any other you would like to share: This activity supports **student-centric and innovative teaching methods**. It can be included under **NAAC Criterion II – Teaching, Learning and Evaluation**, especially **student-centred learning and innovative practices in teaching**. The activity encouraged creativity, active participation, and better understanding of mathematical concepts among students.

11. Geo-Tagged Pictures only:

