

REPORT ON THE WORKSHOP ON
Orientation Programme For
“TEACHERS OF SCIENCE FACULTY”
ORGANIZED BY
OSMANIA GRADUATES ASSOCIATION

Date: 20th July, 2024

Time: 10:30 AM onwards

Location: EXHIBITION SOCIETY BUILDING

Introduction: The Osmania Graduates Association (OGA) Hyderabad organized a workshop on Material Sciences on 20th July 2024. The event witnessed the participation of 92 faculty members from various colleges, including Dr. S. Anuradha and Mrs. P. Kavitha from the Department of Pharmaceutical Chemistry of Sarojini Naidu Vanitha Pharmacy Mahavidyalaya.

Opening Session: The workshop commenced at 10:30 AM with the guests being invited onto the dais. Prof. T.V. Gopala Chari, President of OGA, delivered the welcome address, setting a positive tone for the day's proceedings.

Guest of Honour Address: Prof. B. Manohar, Head of the Department of Chemistry at Osmania University, addressed the audience. He emphasized the current methods of teaching material sciences, particularly the integration of technology in education. Prof. Manohar highlighted the importance of motivating and inspiring students to specialize in subjects, stressing that teaching and research should go hand in hand. He also underlined the necessity of self-discipline among teachers.

Chief Guest Address: The Chief Guest, Prof. D. Karuna Sagar, Dean of the Faculty of Science at Osmania University, spoke next. He highlighted the significance of the education system and modern teaching facilities. Prof. Sagar emphasized the teacher's role in guiding students and maintaining their interest in classes. He discussed the balance between human and machine interaction, suggesting that knowledge should be prioritized over-reliance on machines. He also predicted that environmental sciences would become a major area of focus in the coming decade, stressing the need to safeguard the environment.

Felicitation Ceremony: Following the speeches, the Chief Guest and Guest of Honour were felicitated for their contributions and presence at the workshop.

Technical Sessions:

1. Technical Session 1:

- Presented by Prof. G. Prasad (Physics), this session covered the use of simulators to teach material sciences with visualization techniques. Topics included harmonic oscillators, quantum tunneling, quantum mechanics, Python programming, ACE fatigue and fracture, and C language for simulation.

2. **Technical Session 2:**

- Presented by Prof. Surender Reddy (Mathematics), this session focused on the importance of quality education and the application of group theory in mathematics and chemistry.

Lunch Break: Lunch was served at 1:30 PM, providing an opportunity for attendees to network and discuss the morning sessions.

Technical Session 3:

- The afternoon session commenced at 2:30 PM with a presentation by Prof. Shivaraj (Chemistry). He emphasized the importance of the traditional "chalk and talk" teaching method and provided detailed insights into NEP 2020.

Closing Session: The workshop concluded with a closing session by Prof. C. Vishnu Vardhan Reddy, the Program Coordinator. He thanked all the speakers for their valuable contributions and the attendees for their active participation.

Certificates were issued to all faculty members who have attended the workshop, followed by group photographs taken college-wise.

Conclusion: The workshop on Material Sciences organized by the Osmania Graduates Association was a resounding success. It provided a platform for faculty members to learn about the latest teaching methodologies, technological integration in education, and the importance of environmental sciences. The event fostered a collaborative environment, encouraging the exchange of ideas and best practices among educators.



