Government Degree College Tral organized extension lecture

On "Computational Power and AI"

Department of Computer Applications and Information Technology, Government Degree College Tral in collaboration with Debate & Seminar Committee and the Internal Quality Assurance Cell (IQAC) of the college, organized an extension lecture on "Computational Power and AI" on 12th of April, 2025. The event was organized under the patronage of Principal Prof. Muzafar Ahmad Bhat. The resource person of the event was Dr. Sandeep Sharma, Professor & Head Department of Computer Engineering and Technology, Guru Nanak Dev University Amritsar Punjab.

Worthy principal Prof. Muzafar Ahmad Bhat welcomed the staff, students and the resource person. He said that organization of such lectures marks an important step in our continuous efforts to bring valuable academic exposure and insights to our students and faculty members. He also said that Artificial Intelligence is not just a buzzword; it is a transformative force reshaping industries, education, and the way we live and interact with the world. As AI continues to grow and evolve, it brings with it opportunities and challenges that demand our intellectual attention and understanding.

Dr. Sandeep Sharma, a distinguished academician and expert in the field of computing and artificial intelligence, delivered a comprehensive lecture highlighting the crucial role of computational advancements in enabling the rapid evolution of AI technologies. He discussed how modern AI models rely heavily on high-performance computing resources and addressed emerging trends in hardware, software optimization, and AI-driven innovation across sectors. He traced the historical growth of computational power and its direct impact on the scalability and effectiveness of AI models—from early rule-based systems to contemporary deep learning networks. During the session, the speaker discussed key aspects such as: the role of high-performance computing in modern AI applications, the evolution of hardware and software infrastructure to support AI models, real-world case studies demonstrating AI's impact powered by computational efficiency and ethical considerations and the future trajectory of AI technologies.

The event witnessed enthusiastic participation from students and faculty members, who engaged actively in the Q&A session that followed. The lecture served as a valuable platform for learning and reflection on the ongoing technological transformations driven by AI.

The program concluded with a formal vote of thanks by Dr. Hilal Ahmad Wani to the resource person and all attendees who contributed to the success of the event. The programme was coordinated by Convener College Debate and Seminar Committee Dr. Aashaq Hussain Zaragar.


EXTENSION LECTURE
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