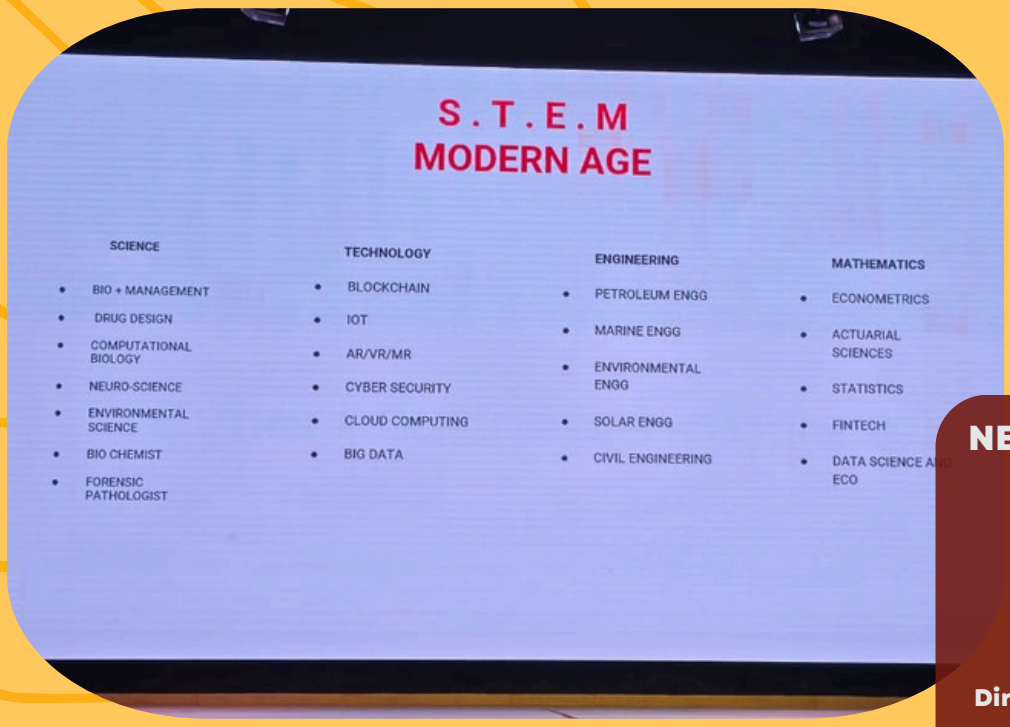

NEW AGE CAREERS AND STEM BASED CAREER OPTIONS

Grades: 9 to 12

RESOURCE PERSONS:

Mr. Jitin Chawla
Director, Centre for Career Development

Dr. Venkata Dilip Kumar
Faculty Member, Dept. of Civil Engineering, Mahindra University

30-10-2025

INTENT:

The session was organized to help students gain a deeper understanding of evolving career landscapes shaped by science, technology, engineering and mathematics (STEM). The objective was to expose learners to emerging career domains driven by innovation, digital transformation, and sustainability aligning with both global and UAE visions for a knowledge-based economy. The event aimed to guide students in identifying their interests and mapping them to new-age professional opportunities.

EXPERIENCE:

Mr. Jitin Chawla shared valuable insights into the dynamic nature of work in the 21st century, highlighting the role of automation, artificial intelligence, and green technologies in shaping future professions. He emphasized the need for adaptability, creativity, and problem-solving skills. Dr. Venkata Dilip Kumar elaborated on engineering innovations and the importance of interdisciplinary learning in modern education. Students were introduced to a wide array of futuristic STEM careers such as AI and data science, biotechnology, space technology, cyber security, environmental engineering, fintech and legal tech.

The session was highly interactive, featuring examples of leading global and Indian companies across various sectors and emphasizing how academic institutions such as Mahindra University and IITs are integrating industry-ready programs. Students actively participated, seeking guidance on subject choices and skill-building pathways.

INSIGHT:

The workshop broadened students' perspectives on career planning by demonstrating that success in the future will depend on a blend of technical expertise, creativity and continuous learning. It encouraged them to think beyond conventional professions and explore innovative, sustainability-driven domains. The session reinforced the importance of early profile building, research exposure, and engagement in STEM-related activities to stay future-ready.

CREDENCE HIGH SCHOOL, DUBAI