

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC - AUTONOMOUS)

Report on
One Day Refresher Program
On
‘Future of STI: Impacts on Education Skills and Work’
&
National Science Day Celebrations
Organized by Department of Physics - MITS
28th February 2021



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National Science Day Celebrations:

The **DEPARTMENT OF PHYSICS** Madanapalle Institute of Technology & Science celebrated 35th National Science Day on 28th February 2021 to mark the discovery of the Raman Effect by Indian Physicist Sir C. V. Raman on this particular day in 1928 for which he was awarded Nobel Prize in Physics in 1930. Also Conducted One Day Refresher Program on the topic **‘Future of STI: Impacts on Education Skills and Work’**.

Every year, this day is celebrated across the India with scientific temper for spreading the message of importance of science and its applications among the people. Govt. of India also announces a particular theme for it and the current year theme is **“Future of STI: Impacts on Education Skills and Work”**

Program Details:

The program started with podcasting a documentary on Sir. C. V. Raman followed by welcome address by **Miss. P. Vinayasree of I C.S.E** and inviting the dignitaries on to the stage.

A prayer song by **Miss. M. Rikitha Sree. Miss. M. Sangeetha and Miss. S.Venkata Swetha** of I B. Tech lead the audience in divine atmosphere followed by garlanding of Sir. C. V. Raman Portrait by the dignitaries.

The opening remarks were given by **Dr V. K. Verma, Head, Dept. of Physics**. He briefly described about Sir C V Raman and mentioned the importance of National Science day. He also recalled the contribution of other great Indian scientists who made valuable discoveries and advanced our knowledge about universe. In the view of the theme **“Future of STI: Impacts on Education Skills and Work”** for this year for science day celebrations by DST, he laid emphasis on students innovative mind, and encouraged the students to come forward and approach the faculty at any point of time to learn more about interlinking between the technology and the educational skills.

Prof. P. Ramanathan, Vice Principal, Academics, spoke on the occasion encouraging the audience that basing on the fundamentals of Physics in their daily life one can initiate new discoveries and inventions. He added that Department of Science and Technology also spreading the importance science to innovating the ideas of students for the improvement of technology.

Miss. N. Sylasya, I ECE spoke on the occasion and gave her ideas of approaching technology with the basic foundation in science courses. She shared her thoughts from her own experiences of science activities conducted by her improvised her learning skills.

In continuation of National Science Day special talks were given by the resource persons for the One Day Refresher Program to initiate the faculty for making use of Science, Technology and innovation for improving their skills and work experience in educating the students and the society.

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Dr. Nagarjuna Neella, Assistant Professor, Department of Physics, MITS, Former Research Professor, Faculty of Engineering and Design, Micro Nano Structure Device Integrated Research Center, Kagawa University, Japan has presented his talk on Synthesis of Reduced Graphene Oxide Nano sheets, Preparation of Reduced Graphene Oxide Coated on Cotton Cloth Films, Characterization, Fabrication of Devices/ Heating Elements Testing of Heating Elements.

Dr. S. Sreedhar, Asst. Professor, Dept. of Physics, MITS, Former Research Professor, CMSD, Korea University, Seoul, South Korea, presented a very interesting talk on constructing artificial sun, which is a present need in the hunt of new sources of energy. He mentioned the current work carried out by the Korea Superconducting Tokamak Advanced Research (KSTAR), a superconducting fusion device also known as the Korean artificial sun, set the new world record as it succeeded in maintaining the high temperature plasma for 20 seconds with an ion temperature over 100 million degrees Celsius. Also made the participants to have their vigilance of global electricity demand which will reach around 38,700 terawatt-hours by 2050. In addition to change in demand with futuristic travel based on electricity will abruptly increase further demand. He motivated the participants to throw their research towards the present demand of the society.

Mr. Prasad Kadaba, Incharge of CNC Lab, Department of Mechanical Engineering MITS shared his presentation about cosmology: The Birth and Expansion of the Universe and amused the students about the vast area of research available for them to work on.

Dr S. Victor Vedanayakam, Asst. Professor, Dept. of Physics concluded the programme with closing remarks encouraging students to participate in seminars and conferences to develop their scientific temper and knowledge. He conveyed vote of thanks to all who participated and supported for the success of the One day Refresher program and National Science Day Celebrations and special thanks to all the resource persons for their presentations.