



Senior Scientist, NCEMP, Allahabad University on Renewable Sources of Energy, Professor Kamal Kant Dwivedi, Senior Scientist and Vice Chancellor, ITM University on DST Programmes and Innovations in Science and Dr C B Devgun, President, SPACE Foundation, New Delhi on Space. Also Poster- making and Science Quiz competitions were conducted. Prizes and certificates were distributed to the students in the valedictory ceremony. The scientists satisfied the inquisitive minds by answering their queries to the best of their satisfaction and instilled in them a zeal to innovate in the vast realm of Science.

The practical demonstration of Basics Principles of Science was done by Dr. Akhilesh Shrivastava, Principal HSS Rajasthan. Along with this the various practical sessions in different laboratories of ITM University were organised to give hand-on experience to the students. Students also enjoyed science fiction movie show. Quiz, poster making, Debate competitions and Industrial visit were important part of the INSPIRE camp 2015.



Chief Patron:

Shri Ramashankar Singh
Chancellor, ITM University Gwalior

Patrons:

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Chairperson, ITM Universe Vadodara, Gujarat

Smt. Ruchi Singh
Pro-Chancellor, ITM University Gwalior

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“CELEBRATING DREAMS”

INSPIRE - 2018 | WINTER - SCIENCE CAMP
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Disclaimer : ITM University Gwalior has no connection with any other University with the similar name any where else in India.



**4th INNOVATION IN SCIENCE
PURSUIT FOR INSPIRED RESEARCH
INSPIRE-2018
WINTER-SCIENCE CAMP
JANUARY 09-13, 2018**



Department of Science & Technology
Government of India



Organized by: Department of Physics, School of Sciences, ITM University Gwalior



4th INNOVATION IN SCIENCE PURSUIT FOR INSPIRED RESEARCH INSPIRE-2018 WINTER-SCIENCE CAMP

DST INSPIRE CAMP

“Innovation in Science pursuit for Inspired Research (INSPIRE)” is an innovative programme sponsored and managed by the Department of Science & Technology for attraction of talent to Science. The basic objective of INSPIRE is to communicate to the youth of the country the excitement of creative pursuit of science, attract talent to the study of science at an early age and thus build the required critical human resource pool for strengthening and expanding the Science & Technology.

One of the components of “Scheme for Early Attraction of Talent for Science (SEATS)” is INSPIRE Internship in which annually about 50,000 students of top 1% performers in Class X board examinations and pursuing science at Higher Secondary level are being given an exposure with leaders in science in the Summer/Winter camps to experience the joy of innovations. These Science Camps essentially nourish the curiosity of children in science; help them to think out of the box and attract the students at an early age of 16-17 years (i.e. in XI standard) to enroll in science subjects.

ABOUT PROGRAM

ITM University, Gwalior has received grant-in-aid continuously for the third time to organize a Winter Science Camp during 09th -13th Jan. 2018. It is an opportunity to invite the students of all over M.P. of class XI who have secured A1 grade in CBSE or 84.5% in M.P. Board in class X to participate in the Science camp.

The camp is centred on the following objectives:

- To develop scientific temper in the young minds & make them aware about the current frontiers of science.
- To bring all areas of natural sciences on the same platform with emphasis on interdisciplinary aspects so as to explore the vast realm of science.
- To discuss contemporary issues related with Environment, Biomedical Sciences, Green Energy, Space Exploration and Conservation of Natural Resources.

In order to meet the objectives, following activities are planned:

Invited talks:

Expert lectures of the eminent scientists and academicians from all over the country in different fields of Science and Technology.

Practical Demonstrations:

To involve young minds into workshops/labs to get substantial experience through hands-on activities.

Expert Interaction:

An opportunity to interact with Experts of national and international repute. Students can interact individually to clear doubts / queries.

Competitions:

Debate, Quiz & Poster Competitions based on general Sciences and topics of general awareness will be organised.

Walk and Talk:

A platform to inspire participants to interact with University scholars to get acquainted with their projects of different areas.



ITM UNIVERSITY

ITM University Gwalior is a multidisciplinary University with an international reputation for the quality of its research and teaching across the academic spectrum. The University has received more than 20 awards & has been ranked in top category by a number of Government and other independent agencies. Recently the University is **Ranked 32nd in Management & 58th in Engineering** by National Institutional Ranking Framework, Ministry of HRD, Govt. of India.

The University is approved by the concerned regulatory bodies of Govt. of India & the state of M.P., required to run courses in Engineering, Management, Pharmacy, Commerce, Agriculture, Architecture, Computer Applications, Teacher Education, Art & Design, Physical Education, Sciences, Law, India & South Asia Studies, Nursing etc. It is at the forefront of learning, teaching & research and leader in many different fields. It seeks to sustain and enhance its excellence as an institution of higher learning through outstanding teaching and world-class societies they serve. The University is recognised by UGC and is a member of AIU.

SCHOOL OF SCIENCES

The School of Sciences is a premier school of ITM University offering education and research in Physics, Chemistry, Mathematics, Biotechnology, Food Technology and Microbiology. It is currently offering under graduate, post graduate and Ph.D programmes. The curriculum is structured to provide a common, board-based foundation. A significant practical component also exists in the curriculum that trains students. Seminars and assignments are designed to pave way for bringing out their intellectual and interactive skills in analyzing scientific problems. To groom the students international/national conferences, workshops, millennium lecture series and co-curricular activities are conducted on regular basis. The School of Sciences has well equipped laboratories for Physics, Chemistry, Environment, Biotechnology, Food Technology and Microbiology. The School of Sciences has advanced Central instrumentation facility having sophisticated instruments.

GLIMPSES OF PREVIOUS INSPIRE WINTER SCIENCE CAMPS

INSPIRE-2015

The 2nd Inspire Winter Science Camp was organised from 15-19 Dec. 2015 and 157 meritorious students participated in it. The chief guest of the inaugural ceremony, Dr. Akhilesh Kumar Pandey, Chairman Private University Regulatory Commission, inspired students to develop scientific approach. Dr. Kapil Tripathi, Scientist E, Vigyan Prasar, DST, New Delhi discussed the role of DST in promoting Science throughout the country. Dr. Bhanu Pratap Singh Scientist E, NPL, New Delhi delivered talk on Carbon Nanotubes & Nanotechnology. Dr. Ishan Patro, Prof. Jiwaji University Gwalior highlighted the function and development of human brain. Dr. Sanio S. Zade, Prof. of Chemistry IISER Kolkata explained the working of solar cell. Dr. Ajay, Prof. IIT Roorke gave a presentation on the life span of Einstein and his discoveries. Dr. Sudeep Acharya, Prof. Kolkata University gave lecture on basic mathematical number system and Dr. H. M. Antia, Scientist TIFR Mumbai, shared his views on Solar system. Hon'ble Chancellor of ITM University Shri Ramashankar Singh motivated and inspired the student for innovative learning.

INSPIRE-2016

In INSPIRE 2016, 158 meritorious students of class XI, who had secured A1 Grade in class 10th attended the camp. The students came from various schools of Jabalpur, Satna, Indore, Guna, Etawah, Agra, Shivpuri Morena, Dabra and Gwalior. The Chief Guest of the programme was Dr. Sunita Mishra, Principal Scientist, CSIO, Chandigarh. Expert lectures were delivered by Dr. Sunita Mishra on Applications of Near Infra Red Spectroscopy, Dr.R.K. Sharma, Professor in Maths, IIT, Delhi on Cryptography, Dr. Archana Kansal, Head of the Department, Physics, ITM University on Properties of Light, Dr. Pratap Bahadur from South Gujarat University on Importance of Chemical Sciences and Career Options in Chemical Sciences, Dr. A.K. Goel, Senior Scientist at DRDE, Gwalior on Microbes: Good or Bad?, Dr Kamlesh Pandey,

