

FACULTY DEVELOPMENT PROGRAM

On

VIRTUAL LABS

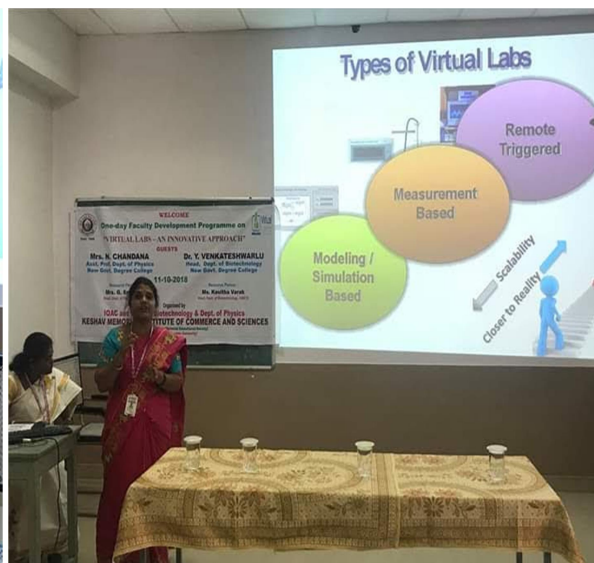
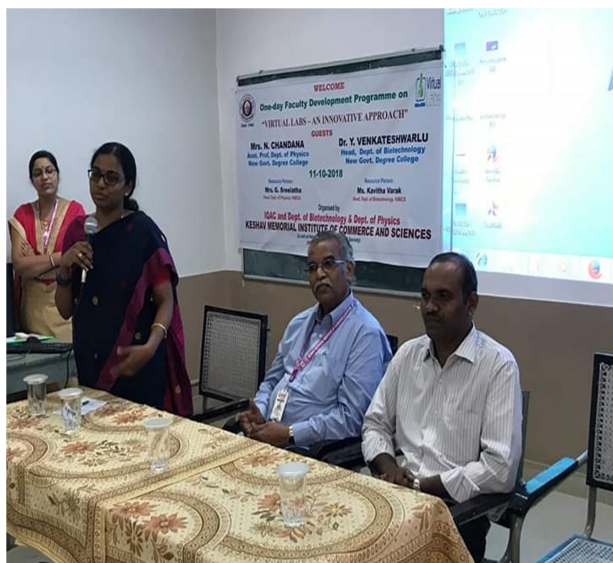
DATE: 11-10-2018

VENUE: SEMINAR HALL

The department of Physics and Biotechnology has conducted one day faculty development program on virtual labs. The Guests for the event were Mrs. N. Chandana and Dr. Y. Venkateshwarulu.



Virtual labs provide remote access to labs in various disciplines of science and engineering. This provide, a complete learning management systems where the students can avail the various tools for learning, including additional web-resources, video-lectures, animated demonstrations and self-valuation.



The resource persons for the program were Mrs. G. Sreelatha, and Ms. Kavitha Varak. They explained about different types of virtual labs in which they discussed about simulation based virtual labs and remote triggered virtual labs.



EXTENSION LECTURE

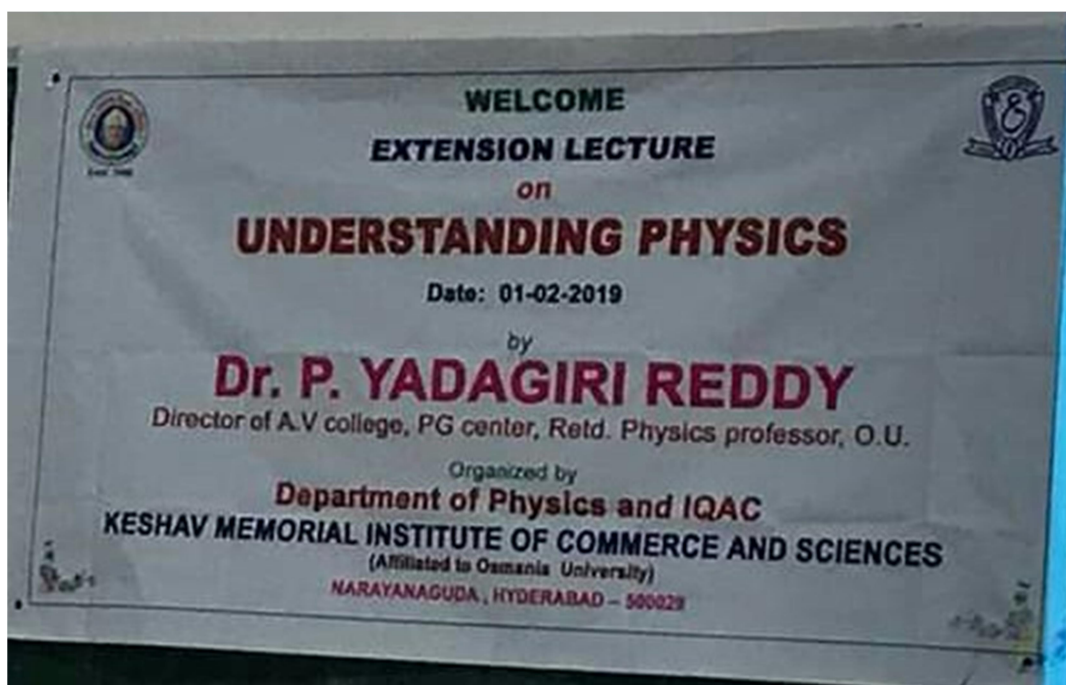
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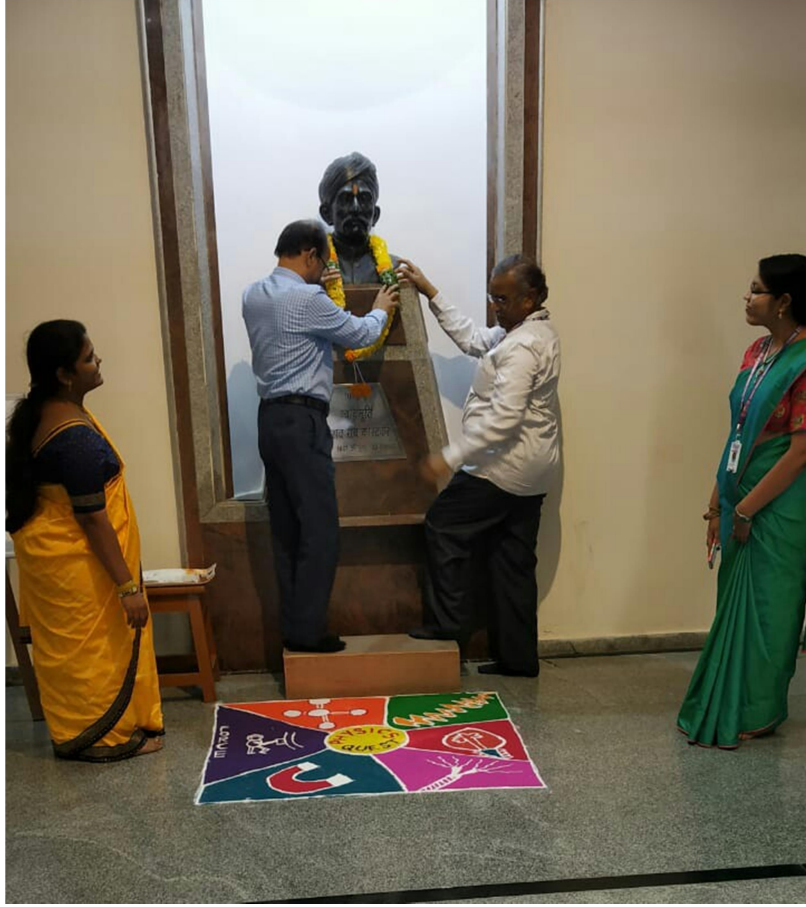
UNDERSTANDING PHYSICS

DATE:01-02-2019

VENUE: SWAMI VIVEKANANDA HALL

The Department of Physics has organized an Extension lecture for the students of B.Sc (M.P.C&M.P.Cs) I, II, III years on 1st February 2019 at Swami Vivekananda Hall. The Guest speakers was Dr. P. Yadagiri Reddy, Director A.V College, PG center, Retd. Physics Professor, O.U.





The event started by inviting the guest on to the dais .We extended warm welcome and presented plant to Dr. P. Yadagiri Reddy. It was followed by welcome address by head of the Department of Physics G.Sreelatha.



The Extension lecture was preceded by a short talk by the Principal- Dr. J. Nageswara Rao. In his talk he emphasized the importance of Physics in various Fields.

The Extension Lecture started around 10:30 am. The Resource Person delivered the lecture on the topic “UNDERSTANDING PHYSICS”

The session was made interactive by thought provoking questions posed by Dr. P. Yadagiri Reddy to the students.

The session went on by discussing the various topics of Physics like

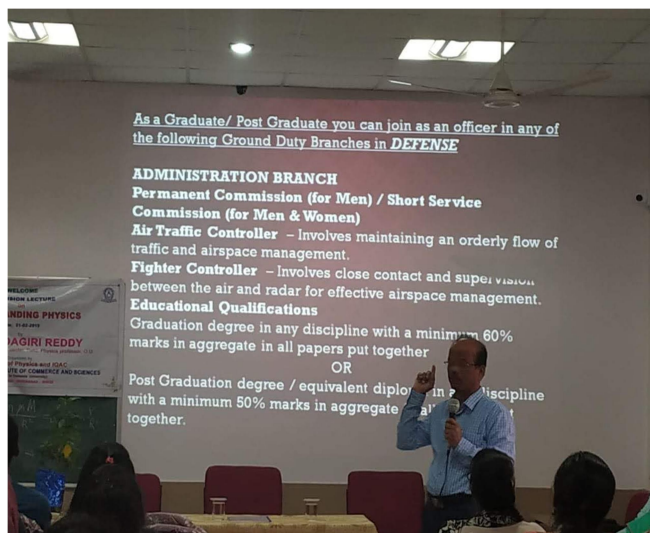
Mathematics: The Natural Language of Physics,

Electronics, Applications of Physics, Basic Experiments in physics.

Dr. P. Yadagiri Reddy sir gave a clear view to the students on the career opportunities in the field of physics. As a Graduate/Post Graduate one can join as

an Officer in any ground body like Air Traffic Controller - It involves maintain an orderly flow of traffic and air space management.

Fighter Controller – It involves close contact and supervision between air and radar for effective air space management.



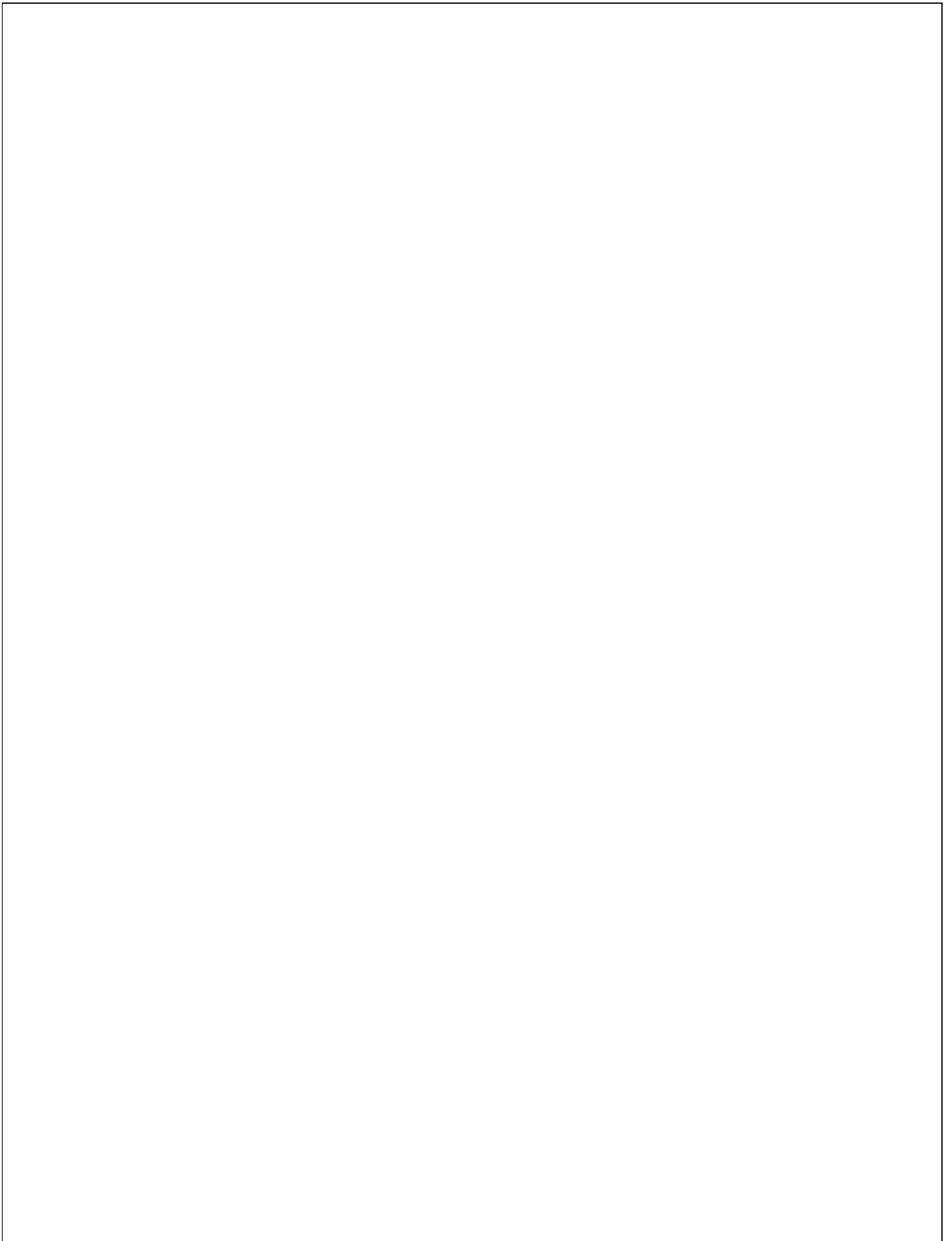
He concluded the session by interacting with the students and motivated them to make their future in the field of physics.

The lecture was proven to be very inspiring and informative for the students.



The event ended with honorarium to the guest by presenting shawl.

At last K.Priyanka, Department of Physics delivered vote of thanks to Dr. P. Yadagiri Reddy for gracing our institute with their presence.



PHYSICS QUEST

INTER COLLEGIATE PHYSICS QUIZ COMPETITION

DATE: 05-02-2019

The Department of Physics has organized an Inter Collegiate Physics Quiz Competition for the students of B.Sc. (M.P.C&M.P.Cs) I, II, III years from various Colleges on 5th February 2019 at Swami Vivekananda Hall. The Guest for the event was Dr. P. Yadagiri Reddy, Director A.V College, PG center, Retd. Physics Professor, O.U.

Six Colleges participated in the quiz contest. The programme started at 12.00noon

The contest started by reading out the rules and regulations to all the participants. There were three rounds in the quiz competition. They were

1. Visual Round
2. Pass on round
3. Rapid round



In the First round i.e. Visual round they were 27 groups participating and each group has three participants. In this round the students had to answer 20 questions displayed in front of them. Based on their answers top 10 groups were selected and

promoted to the second round. The second round was pass on round in which each group had to answer seven questions. In case they are unable to answer the question was passed on to the next group. The five groups who scored the highest points went to the last round.



In the rapid fire round each team is asked 5 questions if the answer was wrong then no point was given to the team and these questions do not get passed on to the next team or

to the audience. The round finally came to an end with Keshav Memorial Institute of Commerce and sciences as the winner.

The Quiz Competition was followed by the prize distribution ceremony for which Dr. P. Yadagiri Reddy was the chief Guest. The event concluded with the distribution of prizes and certificates.



First Prize winning group was from Keshav Memorial Institute of Commerce and Sciences

Second Prize winning group was from St. Anns College for Women.

Third Prize winning group was from BJR Govt Degree College.



At last K.Priyanka, Department of Physics delivered vote of thanks to Dr. P. Yadagiri Reddy for gracing our institute with their presence also to our management in giving excellent coordination in conducting the program and to the students & staff.

The Quiz ended with National Anthem

FIELD TRIP

TO

DEFENSE RESEARCH DEVELOPMENT LABORATORY

DATE: 29-01-2019

The department of Physics along with 60 students of B.Sc. have visited DRDL. Defense Research Development Laboratory is a missile system laboratory under the Defense Research and Development Organization.





A PPT was given by the chief scientist of DRDL about the missiles and their functions. It includes the explaining of the projects like ASTRA, PRITHVI, AGNI etc.,

After this session, we have visited different tunnels like wind tunnel which is used in aerodynamic research to test the missile or aero plane on the ground first. Students were given a chance to examine some of the models of missiles like ASTRA, AKASH. In addition to this, they watched a video on working of missiles.

Next they visited the Hyper Shock tunnel where aero testing will take place and also wind tunnel. The students also sighted a huge working model of launching a missile in submarines



Students had an interaction with one of the HR managers of DRDL. In this lecture schedule he spent few minutes addressing the students and giving them information about various entrance examinations after B.Sc. to have better future in field of physics.



ONE DAY NATIONAL LEVEL WORKSHOP

On

“VIRTUAL LEARNING - AN INNOVATIVE PATH TOWARDS ICT TEACHING”



The aim of this work is to create virtual laboratories for technical disciplines and to incorporate them in the teaching and learning process that determines the relevance of the chosen theme.

The workshop objective is to provide a view on current scenario of Sciences issues in India with focus on the ICT teaching in the field of Sciences and to provide a platform for interaction among scientists, students, Faculty and representatives from Universities, Research Institutes and Industry actively involved in research.



Thus the department of Biotechnology and Physics proposed one day workshop on **“Virtual Learning - an Innovative path towards ICT Teaching”** with eminent speakers drawn from Amrita Vishwa Vidyapeetham, IITH etc. The proposed seminar will certainly benefit the UG and PG students, research scholars and faculty from different colleges and universities. The workshop will help to set up college as a Nodal Centre.