The two-day lecture workshop was conducted on November 14 and 15, 2014 with Prof. S. Chaturvedi, Dean, School of Physics, UOH, as the Convener. The Inaugural Session began with a prayer, followed by lighting of the lamp. Mr. R. Lakshminarayana, GM/M&S, BHEL, RCPuram unit was the Chief Guest. The topics covered during the workshop are:

1) Physics in Biological Systems by Prof. Sriram Ramaswamy, Director, TIFR Centre for Interdisciplinary Science, Hyderabad.

2) Nanoelectronics by Prof. G. Rajaram, School of Physics, UOH.

3) 21st Century Physics by Prof. M. C. Valsa Kumar, School of Engineering Sciences and Technology, UOH.

4) Physics and Electronics in Diverse Fields by Prof. Ghanashyam Krishna, School of Physics, UOH.

The workshop was attended by about 125 participants, comprising mainly of students from neighbouring colleges- St. Ann’s Degree College for Women, Mehdipatnam, Hyderabad St. Pious Degree and PG College for Women, Nacharam, Hyderabad, Govt. Degree College, Kukatpalli, Hyderabad, Govt. Degree College, Patancheru, Hyderabad and the host college, Holy Cross Degree College for Women, BHEL Township, Hyderabad.

The sessions were very interactive and roused great interest in the students. The talk on ‘Physics in Biological Systems’ revealed how physical concepts are applied to explain various aspects of biology- from cells to body movements and many more. The session on ‘Nanoelectronics’ was especially of great benefit to students of Electronics and opened to them as an interesting avenue for research. On the second day, Prof. Valsa Kumar unfolded the challenges in ‘21st Century Physics’, and how quantum applications are to revolutionise research in Physics. Prof. Ghanashyam Krishna, in his talk on ‘Physics and Electronics in Diverse Fields’ dwelt upon the applications in daily life to highly technological ones.

Poster presentation competition was organized on the theme of the workshop on the first day. About twelve teams (each with three members) participated and prizes were given to three best entries. On the second day, final year Electronics students of our college exhibited and explained the working of Micro Controller based projects.
Schedule for the lecture Workshop November 14 and 15, 2014
Theme: ‘Scope of Physics and Electronics’

November 14, 2014

9.30am Inauguration by Mr.R.Lakshminarayana, GM, M&S.,BHEL.

Session I

10.00 am Physics in biological systems.
Prof. Sriram Ramaswamy, Director, TCIS.
12.00 noon Lunch.
12.30 – 1.00pm Poster presentation competition.

Session II

1.00 pm Nanoelectronics.
Prof. G.Rajaram, School of Physics, UOH.
3.00 pm Tea.
3.00 – 3.30pm Display of posters.

November 15, 2014

Session III

10.00 am 21st century Physics.
Dr. M.C.Valsakumar, School of Engineering Sc. and Tech., UOH.
12.00 noon Lunch.
12.30 – 1.00pm Display of electronics projects.

Session IV

1.00pm Physics and Electronics in diverse fields.
Prof. M. Ghanashyam Krishna, School of Physics, UOH.
3-00pm Tea.
3.00 – 3.30pm Display of electronics projects.
Science Academies
Sponsored
TWO-DAY LECTURE WORKSHOP
on
SCOPE OF PHYSICS AND ELECTRONICS
November 14th & 15th, 2014
Organised by
DEPARTMENT OF PHYSICS AND ELECTRONICS
Holy Cross College for Women, BHEL.

Welcome Address

Welcome To
Prof. M.C. Valsakumar
School of Engineering Sciences and Technology, WIT
21st Century Physics

WELCOME
To
Prof. G. Rajaram
School of Physics, UOH
nanoelectronics