

ANUNĀD

.... Resonate Your Thoughts with Action

Anunaad, resonate your thoughts with action, was a two day Science Academies' lecture workshop on 'Vista of Science' organized by Aurora's Degree and PG College in collaboration with the Science Academy (Indian Academy of Sciences Bangalore, Indian National Science Academy New Delhi, The National Academy of Sciences, India, Allahabad). It was organized on 11th and 12th of January 2012 in Mekaster Auditorium, Osmania University, Hyderabad.

About 200 students and few teachers from various Graduate and Post Graduate colleges in twin cities have participated in the two day lecture series. Prof. Subhash Chaturvedi has convened the lecture series.

Convener of the event Dr.S.Chaturvedi, Dr. A R P Rau, Professor in Physics, Louisiana State University USA and Dr. Ravi Paturi, Principal, Aurora Degree College has graced the dais for the inaugural. Inaugural function started with traditional lighting of the lamp. Dr. Ravi Paturi addressed the gathering on behalf of the host college. Dr. S. Chaturvedi gave a brief talk on steps taken up by the academies for promoting progress in science education. Dr. A R P Rau delivered the inaugural lecture on 'General science –An overview'. He discussed how to look at science to make it more interesting and easy to understand.

The second lecture of the day one was on "Cloud computing" which started after a short tea break. Mrs. Savitha Ramesh took the pleasure of introducing the topic Then Dr. Rajeev Wankar, Professor, School of Informatics, University of Hyderabad, took over the lecture of the day. He discussed the entire journey of cloud computing. He discussed what cloud is, its characteristics, services, benefits and platforms. It was well received by the gathering and they could interact with Dr. Wankar. The research challenges in the area of cloud computing were also discussed at the end of the lecture. The work that is going on in the university its idea, framework and layered architecture was discussed so that research interested aspirants in the

temperature turns into a Superconductor. She also explained how superconductors show marked changes in physical properties like thermal conductivity, specific heat, magnetic properties, entropy etc when compared to normal conduction state. She explain the methods of constructing a superconductor. She also explained the advantages and applications of superconducting material. Dr. Seshubai gave a practical demonstration on magnetic levitation where she immersed a superconducting material in liquid nitrogen to provide cooling below the critical temperature and a magnet placed in the air above the superconductor levitates. The demonstration attracted the students and they interacted with Dr. Seshubai for a long time over the lunch break. She clarified doubts of every students with lot of patience.

The post lunch session was another Physics Lecture by Dr. E. Hari Kumar, Professor, School of Physics, University of Hyderabad. He delivered a lecture on 'General Theory of Relativity'. In his lecture, He explained the Einstein's work in general theory of relativity. He discussed about the accelerating frames and effects. He explained the drawbacks in special theory of relativity and how general theory of relativity could explain all those concepts by using non-inertial frames. This was felt a little high standard to present students who are pursuing their graduation. Where Einstein himself took about 10 years to come out with the theory, it was not so easy to get it in a session of about an hour. But the students could get introduced to an expert who could help them any time with their doubts in the related areas.

On the whole, the event went on very smoothly and our convener Dr. Chaturvedi was quite satisfied. He gave us some suggestions which we shall definitely keep in mind next time.

List of Participant Colleges

1. Aurora's Degree and PG College
2. New Sri Sai Degree College
3. HRD Degree and PG college
4. D.B.P.M Degree college for women
5. R.B.V.R.REDDY Degree college for women
6. A.V College
7. Bhavan's Degree College