

Before 2017

Physics Departmental Activities

Workshop for nonteaching staff



A workshop was organized “On maintenance & repair of instruments” for non-teaching staff members of the department on 2nd and 3rd September 2016. The training was given to the technical staff members on how to maintain & repair the instruments & circuit boards. The workshop was coordinated by Shri V. M. Chaudhari. This is a regular feature of the department to conduct it in the beginning of the session in order to keep updated all the instruments to be used for practical purpose. The few instruments to be named are C.R.O., frequency generators, spectrometers, Newton's ring apparatus, optical benches, circuit boards of various experiments and many more. Faculty members guided for the workshop.

Inauguration and Installation of Physics Society



An Inauguration and Installation of Physics Society was held on 28 September 2016 at 11.00 a.m. in the college auditorium. Dr. S. B. Kondawar, Associate Professor, the Department of Physics was the chief guest and the guest speaker for the function. The program started by enlightening of the lamp. All the guests and dignitaries were then welcomed with beautiful floral bouquets. Welcome speech was given by Vice Principal of the college and Head of the department of Physics Dr. S. M. Naranje. The annual magazine "VIBGYOR" was presented before the audience and inaugurated at the hands of the chief guest. VIBGYOR is an annual departmental magazine wherein students contribute their articles and also the entire magazine is edited by the students only. The theme for this year's magazine was "Astrophysics". The entire magazine was edited by Rajat Kumar of B. Sc. III year. President of the society was chosen as Mr. Rajat Gupta who installed the Physics Society by announcing the names of the members for the session 2016-2017. After that a presentation based on Amazing facts of Physics was given by Shreya Mankar and Samiksha of B.Sc. I. Then another presentation of the Noble Prize Winners for the year 2015 was presented by Ms. Madhura Bondre of B.Sc.II. Another presentation about the latest inventions in Physics was given by Prakarshi Avlani and Mahima of B.Sc I year. The guest was introduced by Ms. Aditi Joshi, After that a very interesting presentation based on "Physics Perspectives of Science of small" was delivered by the guest speaker Dr. S. B. Kondawar. He explained various important aspects of Physics. Importance of quantum tunneling, discussion on e-technology and various upcoming inventions were the topics he discussed in details with the audience. He also discussed about the small inventions done on capacitors and transistors. He then informed about a book which was written by him which is based on super and small capacitors which deals with upcoming inventions. He motivated the students and also told in details the various career opportunities they can pursue in the field of research. Then Dr. K. M. Reddy, Director of the college gave a

motivational speech. Deeksha Bhaisare proposed the vote of thanks. The program was coordinated by Dr. Aarti N. Wazalwar.

Educational Visit to Raman Science Center:



Students of Department of physics Dr Ambedkar College Deekshabhoomi Nagpur visited Raman Science Center, Nagpur on 22nd January 2017. During there visit student had interaction with experts and hands on experience on various working model based on principals of Physics . Students were accompanied by faculty members of the department Dr. K.G.Rewatkar, Dr. N.S.Meshram , Dr. A. N. Wazalwar , N.N. Sarkar ,P.R. Surkar , Dr. A. R. Bansod . All the students enjoyed the visit and appreciated the efforts of faculty members and experts of Raman Science Center.

National Science Day Celebration:



The program “Celebration of National Science Day” was held on 28th February 2017 at 1.00 p.m. The Program was organized in association with Women Development Cell of the college and Indian Women Scientist's Association, Nagpur. On this occasion an Intercollegiate students Video making competition on the topic “Life made easy by Science and Technology” was organized. Students from various colleges participated the competition. Students presented their creativity on the topic in their videos beautifully, with the latest technology/gadgets and softwares. Participant students answered the questions asked by judges with full confidence. Winners were from M.P. Deo Memorial Dharampeth Science college, Nagpur(1st prize), Somalwar Nikalas M.V. Nagpur(2nd prize),and Hislop college, Nagpur (3rd prize). Cash prizes and certificates were distributed at the hands of guest. Dr. Sirsikar and Dr. Prakash Bhongade were the judges. Dr. Bharti Ganu (Secretary, IWSA) conducted the competition. Audience were delighted to see the videos . The program was then followed with a talk on the topic “ Science and Technology for specially abled persons” which is the theme of National Science Day this year. The guest speaker was Dr. Pradnya Bhalerao, retired vice-principal of L.A.D. College, Seminary hills, Nagpur and Ex- principal, Somalwar Nikalas Mahavidyalaya, Nagpur. She spoke about how specially abled persons can be self dependent and work independently, she has demonstrated beautifully the tricks the specially abled persons can follow in their routine life. She cited various examples of how technology is being used for the benefit of differently abled persons. The talk was very interesting and informative. The program began with the garlanding the portraits of Lord

Gautam Buddha and Dr. Babasaheb Ambedkar and lighting the candles. Dr. K. M. Reddy (Director, College development), Dr. Anuradha Gadkari (Ex-convener, IWSA), Dr Pradnya Bhalerao (Guest speaker), Dr. Bharti Ganu (Secretary, IWSA) and Dr. S. M. Naranje (Vice-Principal & Coordinator of the program) shared the dais. Dignitaries were welcomed by offering the bouquets. Dr. S. M. Naranje delivered welcome address. Dr. Anuradha Gadkari (Ex-convener) gave introductory remarks on IWSA. Dr. Bharti Ganu Introduced the guest speaker. Dr. K.M. Reddy presided over the program. Mrs. B.A. Mehre compered the program and proposed vote of thanks. Dr. A.N. Wazalwar, Ms. Shital Kurve, Ms. Leena Kamble, Mr. Vinod Choudhari, Mr. C.S. Hedao, Mr. Tabhane, and students Ms. Deeksha Bhaisare, Swaroop Gondane, Rajat Gupta, Sayali Dakhole and others worked hard for the success of the program. Principal Dr. P.C. Pawar and Dr. Arun Joseph appreciated the team work.

Farewell program to B. Sc Final year Students:



Farewell to B.sc. final year students (outgoing batch) was organized by the Department on 9th March 2017 at 1.00 p.m. in seminar room no.1. Students gathered with colorful dresses with joy. The program began with the blessings of Lord Gautam Buddha and P.P. Dr. Babasaheb Ambedkar. Dr. S. M. Naranje delivered motivational speech and wished all the students a bright future. Students expressed their feelings/views about department during their three years stay. Teachers Dr. K.G. Rewatkar, Dr. A.N. Wazalwar also expressed their views and guided the students. All the faculty members and non-teaching staff attended the program. The program was followed by lunch.

Birthday celebration of staff members:



It is a regular feature of the department to celebrate birthdays of teaching and nonteaching staff members of the department.

Students participation and Achievements in extra curricular activities



Mr. Shubham Waghmare (student of B.Sc. III) qualified JAM entrance examination for the admission to P.G. Courses in Regional colleges. ?Mr. Rajat Gupta and Gokul Kumatkar of B.Sc. Final year bagged first prize in an Intercollegiate debate competition “TECHNO VALUE FEST-16” organized by S.F.S. College, Nagpur. ?Mr. Rajat Gupta and Gokul Kumatkar of B.Sc. Final year bagged first prize in an Intercollegiate quiz competition “TECHNO VALUE FEST-16” organized by S.F.S. College, Nagpur. ?Ms. Shreya Mankar won consolation prize in VUPTA’s students seminar competition held at Dnyanesh M.V., Nawargaon (Dist- Chandrapur, M.S.) ?Mr. Rajat Gupta (B. Sc. III), Ms. Priya Shah (B. Sc. III), Ms. Sayali Dakhole (B.Sc. II), Ms. Radhika M. Kayande (B.Sc. II), Ms. Shreya V. Mankar (B. Sc. I) participated in in VUPTA’s students seminar competition held at Dnyanesh M.V., Nawargaon (Dist- Chandrapur, M.S.) ?Mr. Gokul Kumatkar (B.Sc. Final year) 1.Won First Rank in "Excel Competition" organized by Shri Madhur Maheshwari Sir CoFounder of "Balmitra Foundation Nagpur "at Vivekananda Vidyarthi Bhavan, Nagpur 2.Won Second Rank in "Table Tennis" Competition organized by Vivekananda Vidyarthi Bhavan, Nagpur. 3.Selected at District Level of "Speak for India-Maharashtra Edition" a state level inter – college debate competition organized by Federal Bank Hormis Memorial Foundation held on 26/08/2016 at Shri Shivaji education Society, Nagpur. 4.Participated at the Zonal Level of "Speak for India-Maharashtra Edition" a state level inter - college debate competition organized by Federal Bank Hormis Memorial Foundation held on!4/09/2016 at Shri Shivaji education Society, Nagpur. 5.Selected at District Level of "Speak for India-Maharashtra Edition" a state level inter –college debate competition organized by Federal Bank Hormis Memorial Foundation held on 26/08/2016 at Shri Shivaji education Society, Nagpur. 6.Participated in "National youth Convention" and "Represented Maharashtra "organized by Ramakrishna Mission Vadodara And Financial Support by "Sport Ministry of India" in Vadodara on 3,4,5 July 2016 7.Participated in debate competition on subject "Irresponsible Behavior of today”s youth due to mobile phone" organized by M.P.Deo Memorial Science

College Nagpur on 23/03/2016 8. Participated in debate competition on sub "Is Involvement of Political Parties in College Desirable?" organized by Rotary Nagpur West on 20/09/2016 . 9. Participated in "Exetaza 2016" Quiz competition organized by Seeding Labs_DACN_BBS at Dr. Ambedkar College Nagpur held on 17/09/2016. 10.. Participated in "Swami Vivekananda Inter Collegiate Elocution competition" organized by Ramakrishna Math, Nagpur on 10/02/2016 11.. Participated in "Vidayrthi ani Gita" Essay competition organized by Ramakrishna Math, Nagpur on 10/02/2016 12.. Gave Speech in Ramakrishna Math Nagpur on the occasion of "Shri Sarswati Puja Utsav 2016" organized by Vivekananda Vidyarthi Bhavan, Nagpur on 14/02/2016 13.. Participated in "National youth Convention" and "Represented Maharashtra "organized by Ramakrishna Mission Vadodara And Financial Support by "Sport Ministry of India" in Vadodara on 3,4,5 July 2016 14.. Participation in 3-day workshop on "Footstep to Employability-A Workshop" organized by Employment and Career Guidance Cell (ECGC) Dr Ambedkar College DURING SEPTEMBER 21-23, 2015 15.. Participation in" A MULTITALENTIVE COMPETITION ON SWAMI VIVEKANAND" in Quiz Competition organized by Dharampeth Education Society on 19/09/2014

Physics Departmental Activites

Certificate course in Astronomy & Astrophysics



A 3-day 'Introductory level certificate course on Astronomy and Astrophysics' was organized by the department from 1st September 2015 to 3rd September 2015. In this course a number of renowned experts and guest faculties from the field of Astronomy and Astrophysics were invited. Six talks on various aspects of Astronomy and Astrophysics along with a visit and a night sky watch program was organized. The inauguration of this course was done at the hands of Dr Sanjay Wagh, Director, CIRI, Nagpur followed by his talk on 'Stars and Galaxies'. Sky watch program was also arranged through the telescope available at Raman Science Centre in the evening for all the students. Planetarium show on 'Origin of Life' has been shown to the students. The chief guest for the valedictory function was Mr. N. Ramdas Iyer, Head, Raman Science Centre, Nagpur. He was accompanied by Mr. Vilas Chaudhary from Raman Science Centre, Nagpur.

World Meteorological Day celebration



Department of Physics organized a program celebration of "World Meteorological Day" on 31/03/2016. On this occasion a guest Dr. Lal Singh, Scientist, Eco system department, CSIR-NEERI, Nagpur delivered a talk on "Solutions for climate change mitigation and adaptation through degraded land management. Dr. Lal Singh discussed the ignited issues of deforestation & soil erosion, industrial waste dumping, mining, open

cast mines, excessive use of pesticides & heavy metal which mitigates the fertility of soil & degrades the micro flora & fauna.

Physics Society Installation & Inauguration



The program “Installation and Inauguration of Physics Society” was organized by department of Physics on 10th October 2015 at 11.00 a.m. . It was inaugurated at the hands of Dr. R. G. Atram, Director, Institute of science Nagpur. Office bearers and members were declared for the session. The departmental magazine edited by students ‘VIBGYOR’ was released at the hands of guest. The program was followed by the talk of the guest.

Workshop for Nonteaching Staff



Two days workshop on “ Awareness, Maintenance and Repairing of Instruments” was organized on 21 & 22 August 2015 in the department. Instruments kept were frequency generators, C.R.O., Microscopes, heaters, electrical circuit boards, soldering, spectrometers, vernier callipers, screw gauges, power supplies, multimeters, etc. Lab. Assistant Shri. Vinod Choudhari was the in-charge of this workshop. Faculty of the department acted as the resource persons. This activity makes the technical staff of the department aware of the instruments and their maintenance which are used during the experimentations.