

BIRLA वृत्तांत

Vol 2

July 2019

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B.K. Birla College

PLASMA-TALK

Dr. Ajinkya Trimukhe, research fellow from, ICT Mumbai delivered a lecture on 6th July 2019 on “Plasma: The fourth state of matter” for under graduate students. Around 100 students attended the lecture. He explained recent developments and futuristic applications of Plasma technology. This lecture was organized under DBT, Star Status. Dr. Ajinkya Trimukhe is a Ph.D. and Senior Research Fellow in the Department Of Physics ICT, Mumbai. He has a research paper published recently with other authors in the Journal of Physics and Chemistry of Solids regarding deposition of a polyethylene oxide (PEO)-like coating on the surfaces of polypropylene (PP) films via atmospheric pressure cold plasma jet-assisted polymerization using ethylene glycol dimethyl ether as a precursor. He also has a research paper published in the Carbohydrate polymers Journal in 2017 with other authors about the effect of cold plasma treatment on the functional and rheological properties of rice starch using two different power levels (40 and 60 W). **Cold plasma** processing is an attractive technology for mild surface decontamination of foods and packaging materials. The **cold plasma** technique uses **cold** gases to disinfect the surfaces of packaging or food products. The lecture was very informative and inspiring for everyone.



Dr. Ajinkya Trimukhe explaining “Plasma: Fourth State of Matter”.



Dr. Madhavi Thakurdesai HOD of Physics addressing the students.



Students paying attention to the session.

THIRSTY TOMORROW

On 5th September 2019, Rainwater harvesting was celebrated in B. K. Birla College. The Chief Guest of the event **Dr. Sonal Tawade** inaugurated the event. CTO. Prakash Sansare and 250 Cadets from our college participated in this event. Students ended their day on a happy note.

Rainwater harvesting is a technique of collection and storage of rainwater into nature resources or tanks, or the infiltration of surface water into subsurface aquifers before it is lost as surface runoff. One method of rainwater harvesting is rooftop harvesting. With rooftop harvesting, most any surface tiles, metal sheets, plastics but not grass or palm leaf can be used to intercept the flow of rainwater and provide household with high quality drinking water and year around storage.



Students doing the activity.



Students collecting rocks.



NCC Cadets after completing the activity.

CRYING ENVIRONMENT

B. K. Birla College of Arts, Science and Commerce (Autonomous), Kalyan's NCC Unit organized a lecture on **Pollution Awareness** by **Mrs. Arti More**. She was Parade Commander on Republic Day, 2005 in B.K.BIRLA COLLEGE, KALYAN. She was awarded Best Senior Under Officer Trophy, among all units of NCC. Mrs. More also has overall 12 Years of Corporate Experience in different Organization at National & International Level and 2 Years of Teaching Experience.

She explained about the issues related to pollution and gave detailed information about various pollutions like Air, Land, and Water and about preventive measures, which can be taken by an individual for the betterment of an individual and a betterment of our country and nature. She told about deforestation, global warming and complex environmental problems. Variety of hazardous materials and toxic substances, which harm to the human life were discussed. The lecture was fully dedicated to the issues related to the pollution and it ended with pledge of taking care of the environment and surroundings. Cadets gave positive response to this awareness programme. The programme ended with Vote Of Thanks by ANO Lt. Suvarna Jadhav. And then refreshments were served.



Mrs. Arti More discussing issues with the cadets.



Vote Of Thanks by ANO Lt. Suvarna Jadhav



NCC Army Girls of B.K. Birla College