

B. K. BIRLA COLLEGE वृत्तांत

#BirlaCollegeNewsletter

June 2022

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Let us welcome this new year with new energies and new hopes... to experience new things and to learn things you never knew before...

May you make the best of this coming year with your hard work and patience...

All the best for the **New Academic Year!!**



Let us save our planet by conserving biodiversity
World Environment Day



World Environment Day 2022: #OnlyOneEarth

Department of EVS creates awareness on Nuclear Energy

The Department of Environmental Sciences, B.K. Birla College of Arts, Science and Commerce (Autonomous) Kalyan organized a webinar on 'Radiation, Nuclear Energy and Environment' to mark the World Environment Day.

Dr. D. K. Aswal, Director, Health, Safety and Environment Group, BARC, Mumbai was the speaker for webinar on 'Radiation, Nuclear Energy and Environment'. Dr. Sonal Tawde, Assistant Professor, Department of Environmental Sciences welcomed the Guest and the participants by emphasizing the importance of the Day. Dr. Avinash Patil, Principal, introduced the speaker.

Dr. Aswal highlighted about how energy has long been viewed as an essential ingredient in meeting man's basic needs and in stimulating and supporting economic growth and the standard of living, so much so that often a nation identifies its wellbeing with its gargantuan and growing need for energy. Statistical data on energy consumption of the world in recent years show that world consumption has increased by about 50% in less than ten years. It has been estimated that the per capita use of energy has doubled during the past 30 years, and current trends indicate that consumption will grow at a faster rate in the future. This increase is a natural result of growing socio-economic activities and the rising standard of living. The increasing global demand for energy has hitherto been met to an increasing extent using fossil fuels and hydro power. Nuclear energy has been developed and used commercially for about two decades to meet a fraction of the electrical energy needs.

At the local and in some cases regional level, the environmental aspects of energy production and use have become of paramount importance. They have served as warnings of what could be in store on a wider scale if serious consideration is not given to the environmental implications of man's demands for energy. From recent examinations of the impact of energy on the environment, it has become apparent that individual nations are not isolated in this respect and that the actions of one country may well result in

environmental damage in a neighbouring State. Against this background, an awakened public awareness of the issues has demanded that an attempt be made to examine rationally the environmental aspects of the energy-related society.

He further elaborated that although nuclear power stations do not emit fly-ash or noxious gases into the atmosphere as fossil-fuel-operated plants do, the radioactivity released from the products of nuclear fission has been the focus of public concern about the expansion in the use of nuclear power despite the stringent control measures and precautions taken. There have been many attempts to set up acceptable levels for radioactivity in the environment or in man, their extension to large populations and the environment has been subjected to extensive criticism. The environmental advantages of the reactors are: (1) in the category of effluents, where the reactors are assigned 1200 to 1500 t/a as against the million tonnes of air pollutants coming from coal-fired plants, and (2) in land use, where the 300 to 400 acres of space which is needed for a coal-fired plant is compared with 70 to 140 acres for a nuclear plant and the 200 acres per year which must be stripped for the coal is compared with 13 acres of uranium strip-mining for the LWBR and much less than 1 acre for the LMFBR. The cooling-water needs are about even for the LMFBR and coal plants and 40 to 50% higher for the LWBR. However, the effect of pollutants is not measurable by weight or volume. It is the interaction with the things vital to life that determine the extent of the damage. It is true that non-nuclear wastes and pollutants affect man and his environment, and some may have genetic effects but in the case of radioactive wastes, the damage would be more potential and not easily reparable. Although some countries have slowed down their nuclear energy programmes, the abandonment of nuclear fission would, however, be neither wise nor justified.

The talk concluded with the importance of nuclear energy as a clean source of energy, if utilized in a safe manner is a boon to mankind.

After the question-and-answer session, Dr. Naresh Chandra, Director Education, thanked the speaker.

82 participants attended the event. The event ended with Vote of Thanks by Dr. Vandana Gupta, Assistant Professor, Dept. of Environmental Sciences.

World Environment Day, which falls on June 5, is the biggest international day for the environment. Led by the United Nations Environment Programme (UNEP), and held annually since 1973, it has grown to be the largest global platform for environmental outreach. It is celebrated by millions of people across the world.



B. K. Birla College holds 'Cyclothon' on World Environment Day

BKBC & BKBNC held a cycle rally on Saturday to mark the World Environment Day and World Bicycle Day on 5th June. The rally was aimed to raise awareness about environment conservation and promote sustainable practices within the community.

The cycle rally began from the College and ended at Subhash Maidan. Around 42 cyclists from the College participated in this event to spread the message on use of renewable resources.



**Chhatrapati Shivaji Maharaj's 349th coronation ceremony celebrated
with enthusiasm**



B. K. Birla College (Autonomous) had organized the 'Shivswarajya Din', on Monday 6th June. This date marks the day when Chhatrapati Shivaji Maharaj was crowned in Raigad. The 'Shivrajyabhishek Din', was organized at the Central Lawn at 9.00 am to pay floral tribute to the Great Warrior. The program was graced by the presence of Dr. Naresh Chandra, Director, Education, Dr. Avinash Patil, Principal. Dr. Swapna Samel, Senior Vice Principal (Arts), Mr. Bipinchandra Wadekar, Vice Principal (Commerce), Prof. Maninder Dhaliwal, Vice Principal (Science), Ms. Esmita Gupta, Vice Principal (Unaided), Dr Harish Dubey, Principal, B. K. Birla Night College also paid their respects.

The program began with the introductory address by Dr Megha Devle on the 'Teachings and Contribution of Chhatrapati Shivaji Maharaj'. Students, NCC Cadets and NSS Volunteers sang powadas in remembrance. The program concluded by the 'Maharashtra Geet', followed by the National Anthem. 134 students attended the above program

B. K. Birla College celebrates International Yoga Day

To celebrate the International Yoga Day, UGC sponsored Centre for Yoga, Philosophy & Practice of College organised a workshop on 'Healthy Body & Healthy Mind'. This workshop was organised from 14 to 21 June in New Seminar Hall. NCC, NSS unit along with Gymkhana and Sports joined hands for this 7-day National Yoga workshop.

The session was also streamed live on MS Teams Platform.



Golden Jubilee Celebrations of B. K. Birla College, Kalyan held.

The Golden Jubilee Celebrations of B. K. Birla College of Arts, Science & Commerce, Kalyan, was held on 17th June at Acharya Atre Auditorium.

For many of the alumni, it was a day of recognising what this institution had given them with Dr. Ashok Pradhan speaking about the journey of the college over the last 50 years. “The quality of education Birla’s are providing, the changes that are brought in Kalyan city by Birla Family are noteworthy. This has also changed the perception of people looking towards Kalyan” said Dr. Pradhan during the celebration.

Dr. Naresh Chandra, Director, shared thoughts about the college spreading the wings through different industry-oriented courses, changing pedagogy method during online sessions. He also gave a glance at the activities conducted to mark the Golden Jubilee of the College.

Shri O. R. Chitlange, Chairman of the Governing Council, credited the success of the institution to governing council members, teaching & non-teaching staff of the college. “It is because of them the college is soaring new heights. Birla is also set to have Law and Management College very soon in Kalyan” added Shri Chitlange while addressing the gather.

Cultural programmes were performed by the students and staff of B. K. Birla College. The college started its journey on 17th June 1972 with the blessings of Shri. B. K. Birla & Shrimati Sarla Birla.