Excerpts of various Technical Sessions and relevant notices



Banasthali Vidyapith PO. Banasthali Vidyapith (Rajasthan) Pin Code- 304022

www.banasthali.org

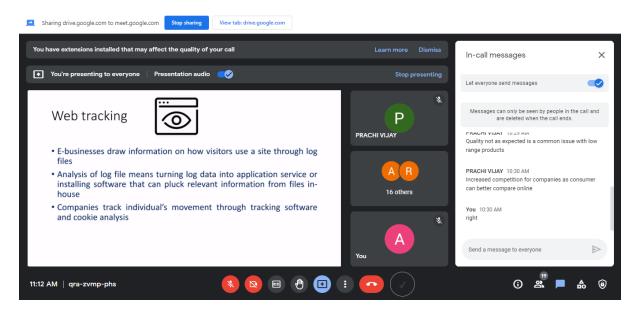
Banasthali Vidyapith, established in 1935, is the world's largest residential university for women, doing pioneer work in its field for more than eight decades, situated amidst rural settings in Rajasthan, having a distinct educational ideology and offering a variety of programmes from nursery up to doctoral level across a wide-spectrum of disciplines to prepare enlightened citizens with strong value-base.Banasthali aims at synthesizing and balancing scientific achievements and spiritual values of the East and the West to prepare women for enlightened leadership roles in all walks of life. Reaccredited with 'NAAC A++', the Vidyapith debuted in the Times Higher Education World University Rankings 2020, consolidated its position in 2021, and thereby, it has become one among the best 3-4% universities in the world! Furthermore, while women's universities have their own characteristics and are rarely seen in the world league tables, Banasthali is the 2nd highest ranked women's university in the world!

The university was completely locked down in mid-March as everything came to a standstill due to the pandemic. The administration, staff members and students showed remarkable resilience as the entire teaching learning and examination was moved to the online mode. As the turn of events unfolded, the university was able to foresee that holding examinations in the conventional way shall highly be unlikely. THE UNIVERSITY CONDUCTED THE EXAMINATIONS ONLINE AND THE RESULTS WERE DECLARED WELL IN TIME. The Vidyapith commenced the 2021-22 academic session for continuing students in mid-July 2021 in the online mode. Banasthali is perhaps the only institution in the country which did not allow the pandemic to affect its academic calendar. A carefully planned policy with input from all stakeholders including the students was implemented to make online teaching learning process smooth and productive. Interesting and engaging high quality video lectures, with live online interaction and cornucopia of study material made the

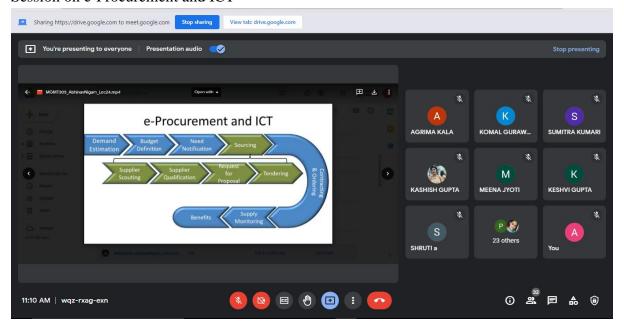
entire programme intellectually enriching and academically accomplishing. The inherent strength in IT infrastructure at Banasthali was instrumental in taking a giant leap in online education and the new students were inducted online and their classes also began smoothly using the G-Suite platform. The continuous assessment and the end examination have been conducted through online mode, as per schedule. The entire process of online teaching learning has been monitored closely. While making seamless migration to online education during the pandemic, Banasthali Vidyapith maintained its educational philosophy of five-fold education comprising physical, practical, aesthetic, intellectual and moral aspects. The online classes of aerobics, yoga (physical education), arts and craft (practical education), classical music and dance (aesthetic education), Selected Writings of Great Authors and Science of Happiness (moral education) were successful in making not only our students but also their family members glued to the screen. Notably, the Vidyapith played a pivotal role in policy framework for higher education, Prof. Aditya Shastri, the former Vice Chancellor, Banasthali Vidyapith, a key member of the UGC constituted Expert Committee that formulated the Guidelines for Academics and Examination during the pandemic highlighting the contribution of the institution in educating the larger population for the larger societal cause.

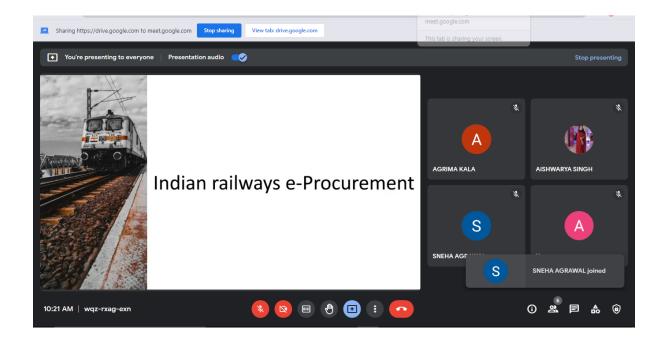
Sessions on new trends in technology

Session on Web Tracking of Customer Data

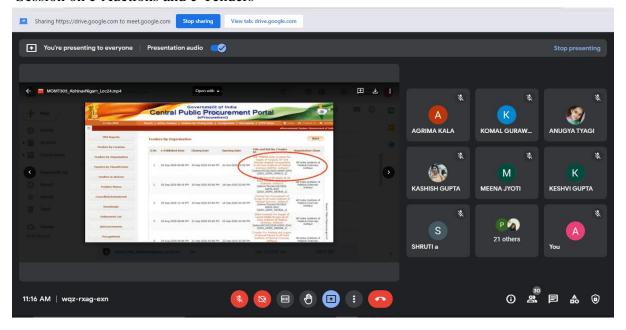


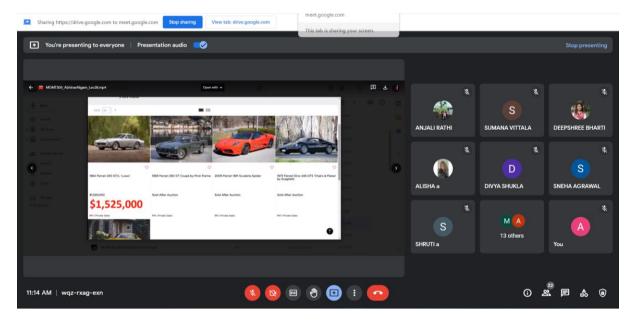
Session on e-Procurement and ICT

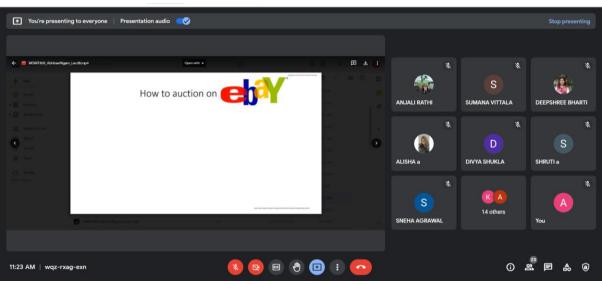




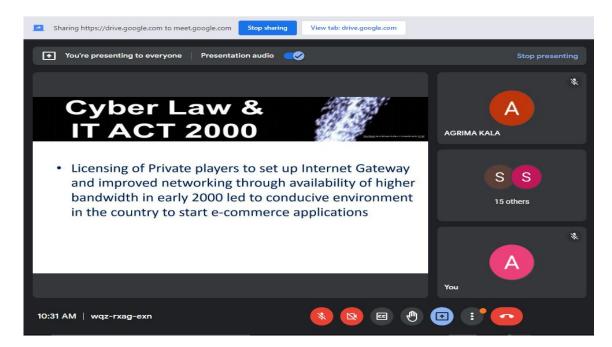
Session on e-Auctions and e-Tenders



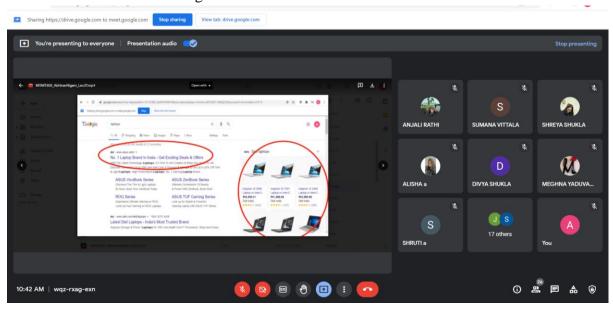




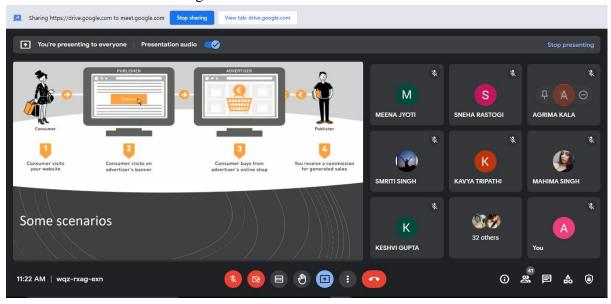
Session on IT Act 2000



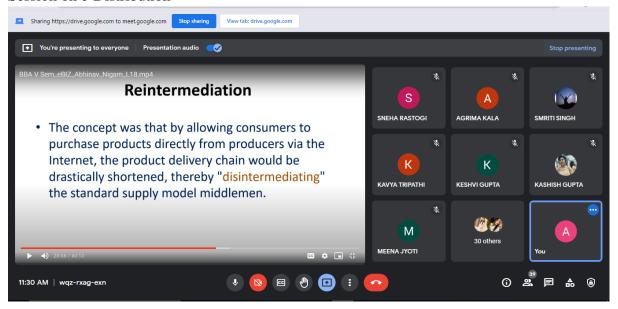
Session on Online Advertising



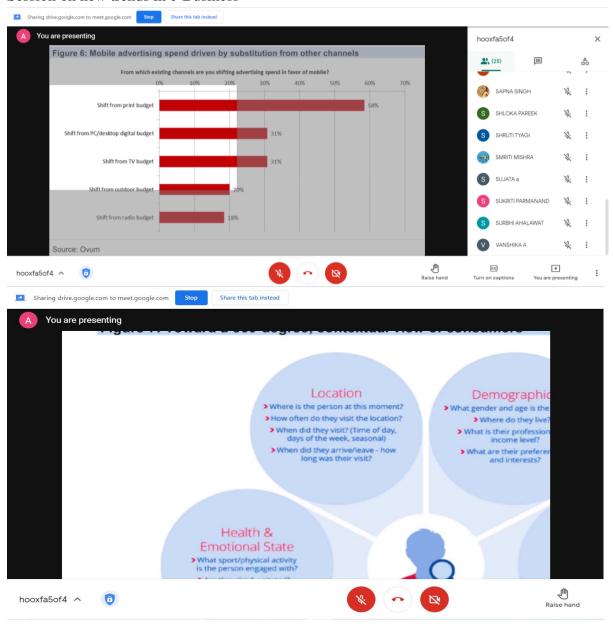
Session on Affiliate Marketing

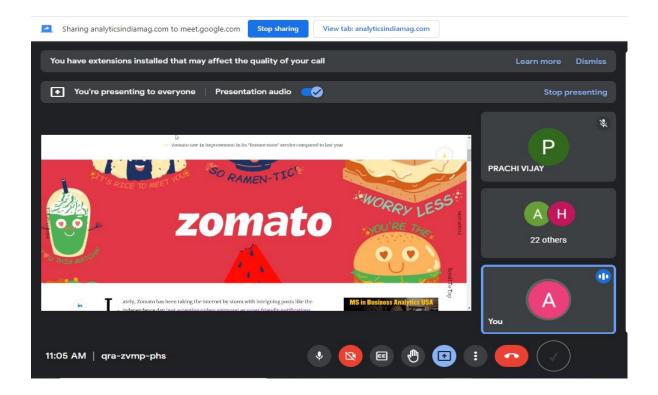


Session on e-Distribution



Session on new trends in e-Business





Department of Journalism and Mass Communication

Interactive Sessions & Workshops

- The Department of Journalism and Mass Communication organized a day-long online workshop on 'TV Programme and News Presentation' which was held on 12.09.2020. Mr. Gaurav Sharma, Anchor, DD News, Jaipur, mentored the workshop. Mr. Sharma shed light on the writing techniques for Television. He delineated the techniques of PCR, MCR, Studio Operations and offline, online production of the TV channel. The students interacted with the mentor with full enthusiasm. The mentor organized some activities for the students on how to develop communication skills such as speaking extempore, holding discussions and effectively developing interpersonal communication as required for Television anchoring.
- Department of Journalism and Mass Communication, Banasthali Vidyapith organized, a two Webinar cum Interactive Session on Digital Media and Online Journalism for Post Graduate Students on 13th-14th September 2020. Workshop was mentored by Ms. Tanu Kapoor, Senior Social Media Manager, Times of India, Noida. She made students learn about various social media platforms used in News Writing, Content Creation and Marketing for the Netizens through hands on training. The students were oriented regarding the power of Twitter, Facebook and Instagram in Newsroom. Under *Lets Play Social Media* the students had fun activities for how Social Media helps Journalists break news. She shared her experiences with future journalists. This session was very interactive and valuable for women journalists. Ms. Kapoor acknowledged Banasthali Vidyapith efforts for nurturing women journalists for the social improvement in the country.

Bio Science and Bio Tech

In order to keep up the pace with the global development in the scientific fraternity during COVID-19 pandemic, the department organized a series of webinars and online workshops for the students and faculty members. International webinar on 'Genomics, transcriptomics & molecular pathogenesis of SARS-CoV-2' was organized on August 17, 2020. Several distinguished speakers including Prof. Peter Forster, University of Cambridge; UK, Prof. Miguel Angel Esteban, Guangzhou Ins. of Biomedicine & Health, China; Prof. Rahul Narang, MGMIS, Wardha (Maharashtra); Dr. Prashanth N Suravajhala, Birla Institute of Scientific Research, Jaipur (Rajasthan), Dr. Gyaneshwar Chaubey, Banaras Hindu University, Varanasi (UP); Dr. Vinod Scaria, Institute of Genomics & Integrative Biology, New Delhi; Dr. Pawan Maurya, Central University of Haryana, Mahendragarh; Dr. Tikam Chand Dakal, Mohanlal Sukhadia University, Udaipur (Rajasthan) deliberated molecular pathogenesis, metatranstriptomics, genomics, health hazards associated with SARS-CoV-2. 'Artificial Intelligence in Biomedical Informatics' was organized October 06, 2020, followed by 'Proteomics' wherein industry experts from Cytiva (previously GE Life Sciences) discussed the principles and case studies of gel-based proteomics. On December 12, 2020, a webinar on 'Molecular diversity of Zingiberaceaeplants of Northeast India' and 'Application of flow cytometry to plant science' was organized dated December 20, 2020. Dr. Santosh Kumar Tiwari, Senior Assistant Professor, Department of Genetics, Maharshi Dayanand University, Rohtak in his talk on 'Research in Biological Sciences: Future prospects' dated March 2, 2021, explained the students the latest developments in the field of biological science and shared his research achievements. He also discussed the gaps in research that need to be filled through meticulous analytical approach. Further, to give industrial exposure to the students a webinar on 'Nucleic acid extraction and quantification' was organized by Innovation Labs, Merck. On International Women's Day, a discussion was held to bring out the importance of women as role models and as vital building blocks of society. As we know, role models represent an idea, a reality, and expand what is possible. There is need of more women role models, who can inspire other women to aspire, aim higher and achieve the impossible. Deriving inspiration from this thought process, the theme of "Women Inspiring Women: Why do we need relatable role models?" was chosen organized by Pratham Skilling on March 8, 2021.Dr. Chandra Pal Singh, Assistant Professor Department of Botany, University of Rajasthan, Jaipur, highlighted the role of micro RNAs in host pathogen interaction in his talk on 'MicroRNA - Fine tuner of host-pathogen interactions' dated March 12, 2021. Prof. Ashish Bhatnagar, Head, Department of Microbiology, Director, Algae Biofuel & Biomolecules Centre, Kanad Vigyan Bhavan, Maharshi Dayanand Saraswati University, Ajmer deliberated on the topic 'Algal Biotechnology for the Desert' on March 13, 2021. He emphasized the immense commercial applications of algae available in the Thar desert. On March 21, 2021, Dr. Anish Nag, Assistant Professor, Department of Life Sciences, CHRIST

University, Bangalore highlighted the significance of phytometabolites as antiviral agent with special reference to Piperine in 'Research in Biological Sciences: Piperine as an antiviral drug, an in-silico study' (March 21, 2021). Dr. Amar Pal Singh, Staff Scientist, National Institute of Plant Genome Research, New Delhi, gave a talk on 'Prospects application of biotechnological tools for improving plant growth and development: Exploring the hidden half of the plants' (March 25, 2021). Dr. Tapan Kumar Mondal, Principal Scientist, ICAR-National Institute for Plant Biotechnology, New Delhi, emphasized on the therapeutic importance of tea and an antioxidant and explored his research work on the use of biotechnology for enhancing the commercially relevant properties of tea in his talk on 'Biotechnological interventions for the improvement of Tea' dated March 26, 2021. Dr. C. Bharadwaj, Principal Scientist, Indian Agricultural Research Institute, New Delhi, on March 27, 2021, expressed his thoughts on 'Genomic associated breeding in chickpea'. Prof. Partho Roy, Department of Biotechnology, IIT Roorkee, gave a talk on the topic 'Role of natural products in disease mitigation' dated March 27, 2021. He pointed out the role of plant secondary metabolites in disease management. He said that the traditional systems of medicines should be validated through research, which may lead to the discovery of novel natural therapeutic agents. Inculcation of entrepreneurial skills in students is need of the hour. Thus, a webinar on 'Entrepreneurial Ideation'was organized on March 30, 2021, wherein Shri. Sandeep Mehto, Co-founder of initiative Bharat Calling and Vikalp, told the importance of out of the box thinking and way of execution of ideas to run a start-up.

In a Guest lecture (August 23, 2020) by Dr. Poonam Tiwari, Senior Research Fellow, CSIR-National Botanical Research Institute, highlighted the problems associated with various biotic and abiotic stress on plants, which adversely affect the crop yield. In her topic 'Molecular & Functional Characterization of Abiotic Stress Responsive Gene', she discussed about various genes, which express during stress and their functions. Another lecture was given on 'Understanding the molecular effects of hypobaric hypoxia: Diagnostic and therapeutic possibilities' by Yasmin Ahmad, Scientist D, Peptide and Proteomics Division, Defence Institute of Physiological and Allied Research, New Delhi, dated December 19, 2020. Hypobaric hypoxiais a condition where the body is deprived of a sufficient supply of oxygen from the air to supply for body tissues whether in quantity or molecular concentration. He discussed the pathophysiology and remedies of the disease.

Hands-on training was provided to the students through online workshops. Mr. Avinash Dhar, Program Manager - The Genome Education, Bionivid Technology Pvt. Ltd., Bengaluru, Karnataka, in 'Online workshop on impact of genomics in everyday life' held on March 16, 2021,helped the students to understand the functions and operation of software needed in the work of genomics. Dr. Prabhakar Mittal, Managing Director, Sarsuag Enterprises, Vellore, was an invited as expert in the workshop 'Protein purification and characterization' held on March 28, 2021. In order to acquaint the students with plant

diversity a webinar cum workshop on 'Evolution of plants - from Cryptogams to Phanerogams' was organized on March 31, 2021.

Department of Economics

Department of Economics organized a 'Workshop-cum Hands-on Training on Statistical Methods' during May 1-2, 2021. The workshop aimed at imparting hands-on training of statistical and econometric tools using R and E Views packages. Conducted in online mode the workshop ensured uninterrupted learning of students even in the times of the pandemic.

This workshop was attended by the undergraduate and post graduate students, research scholars, faculty members of Banasthali Vidyaptih as well as by participants from other premium institution of India. Dr. Md. Zulquar Nain, from Aligarh Muslim University and Dr. Qazi Azhar Jamal from Banasthali Vidyapith were the resource persons.

The workshop commenced with the opening remarks of Dr. Swati Shastri, Head, Department of Economics. Dr. Shastri highlighted the use of econometrics software in the field of economic research.

Sessions on Day One of this workshop were conducted by Dr. Md. Zulquar Nain. Dr. Nain started with the basic introduction of E views package and familiarized participants with concepts of work files, samples, series and groups, data functions, data clearing and basic graphs in EViews. He focused on descriptive statistics, correlation and regression and other tools of time series analysis. The sessions were interactive and helped the participants in taking their first step in learning econometric packages for research.

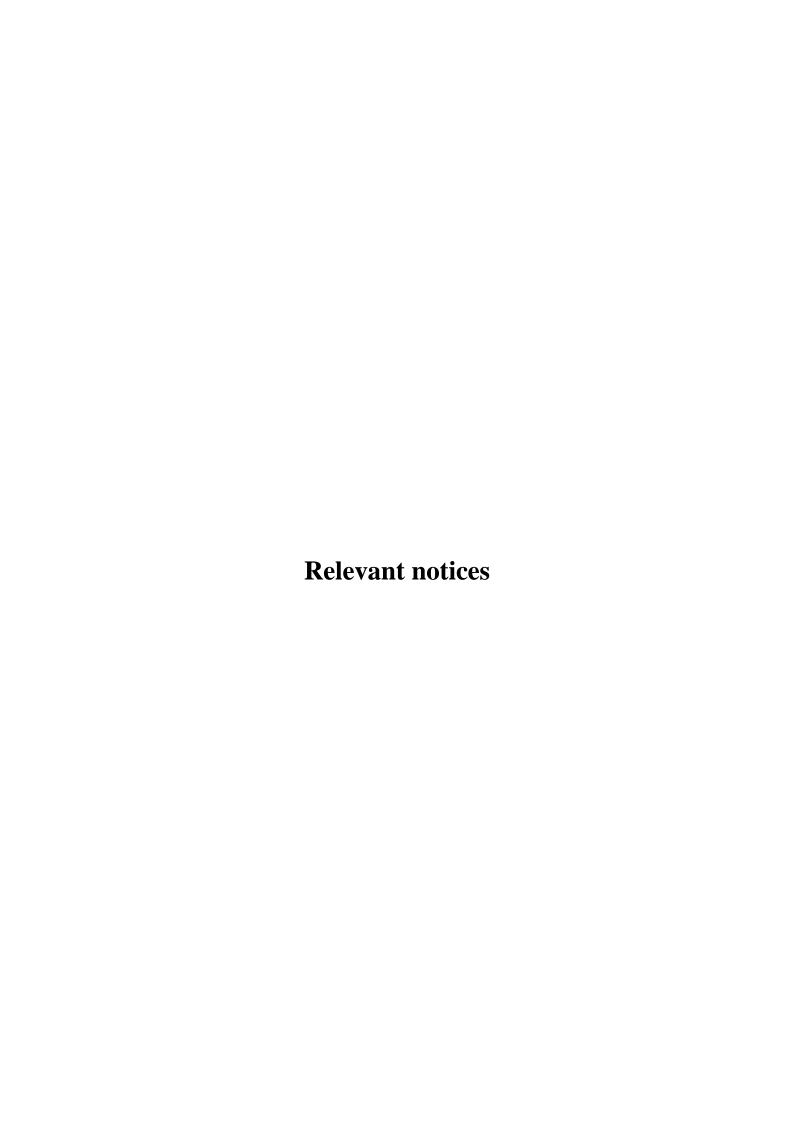
Sessions on Day Two were conducted by Dr. Qazi Azhar Jamal, Assistant Professor, Department of Mathematics and Statistics, Banasthali Vidyapith. He started with an introduction to various statistical packages such as FAME, MATLAB and Stata. He then focused on R package and R library. He demonstrated the working and coding in R and paid special attention to computation of matrices. Another interesting session on day two was about using graphics in R.

The workshop concluded with the remarks by Dr. Swati shastri. She thanked both the resource persons and congratulated the participants for the successful completion of the program.

Session on Career Avenues in Economics

The Department organized a session on 'Career Avenues in Economics' for the students of B.A. and M.A. (Economics) on February 26,2021. Dr.Qamar Alam gave an overview about the theoretical and applied aspects of Economics. He also introduced different branches of Economics such as Industrial Economics, Econometrics, Mathematical Economics, International Trade and emerging branches as Health Economics, Behavioural Economics and Environmental Economics etc. Mr.Nimish Sharma threw light on career pathways such as banking, insurance, mutual funds, academics, research, entrepreneurship etc. He added that Economics graduates may join as research assistants in institutes such as National Institute of Public Finance and Policy (NIPFP) National Council of Applied Economic Research (NCAER), National Sample Survey Organisation (NSSO),NITI Aayog, Reserve Bank of India etc. Dr.Alam highlighted various internship opportunities for students at NABARD, BHEL, HDFC Bank, ICICI Bank, Institute of Economic Growth, National

Institute of Corporate Affairs etc. Students were also informed about authentic sources of information for job opportunities and current economic affairs like epw.in, minfin.nic.in and employment.new.gov.in. The session concluded with a discussion on international fellowships and student exchange programmes.



NOTICE

Date: 22.07.2020

It is hereby informed that we are organizing a workshop on "Content Development for Lab Practices in Biotechnology" to be held from July 29-31, 2020. You are requested to attained the Workshop. The Link will be shared separately.

(Dr. Dipjyoti Chakraborty)
Prof. & Head

NOTICE

Date: 01.08.2020

It is hereby informed that we are organizing a workshop on "Analytical Lab Practices in Biotechnology" to be held from August 05-10, 2020. You are requested to attained the Workshop. The Link will be shared separately.

Dr. Dipjyoti Chakraborty)

Prof. & Head

Deptt. of Bioscience & Biotechnology
Banasthali Viayapith

P.O. Banasthali Vidyapith-304022

NOTICE

Date: 02.09.2020

It is hereby informed that we are organizing a workshop on "Content Development for Lab Practices in Zoology" to be held from September 09-11, 2020. You are requested to attained the Workshop. The Link will be shared separately.

(Dr. Dipjyoti Chakraborty)
Prof. & Head

NOTICE

Date: 27.09.2020

It is hereby informed that we are organizing a workshop on "Analytical Laboratory Techniques in Zoology" to be held from October 03-05, 2020. You are requested to attained the Workshop. The Link will be shared separately.

Dr. Dipjyoti Chakraborty)
Prof. & Head

NOTICE

Date: 28.10.2020

It is hereby informed that we are organizing a workshop on "Content Development in Lab Practices in Botany" to be held from November 03-05, 2020. You are requested to attained the Workshop. The Link will be shared separately.

Dr. Dipjyoti Chakraborty)
Prof. & Head

NOTICE

Date: 06.01.2021

It is hereby informed that we are organizing a workshop on "Advanced Laboratory Techniques in Botany" to be held from January 15-18, 2021. You are requested to attained the Workshop. The Link will be shared separately.

(Dr. Dipjyoti Chakraborty)
Prof. & Head

NOTICE

Date: 09.08.2020

It is hereby informed that we are organizing a workshop on "International Webinar on Genomics, Transcriptomics & Molecular Pathogenesis of SARS-CoV-2" to be held from August 17, 2020. You are requested to attained the Workshop. The Link will be shared separately.

(Dr. Dipjyoti Chakraborty)
Prof. & Head

NOTICE

Date: 28.09.2020

It is hereby informed that we are organizing a workshop on "Artificial Intelligence in Biomedical Informatics" to be held from October 06, 2020. You are requested to attained the Workshop. The Link will be shared separately.

Dr. Dipjyoti Chakraborty)

NOTICE

Date: 03.12.2020

It is hereby informed that we are organizing a workshop on "Webinar on Molecular Diversity of *Zingiberaceae* Plants of Northeast India" to be held from December 12, 2020. You are requested to attained the Workshop. The Link will be shared separately.

(Dr. Dipjyoti Chakraborty)
Prof. & Head

NOTICE

Date: 13.12.2020

It is hereby informed that we are organizing a workshop on "Webinar on Application of Flow Cytometry to Plant Science" to be held from December 20, 2020. You are requested to attained the Workshop. The Link will be shared separately.

(Dr. Dipjyoti Chakraborty)
Prof. & Head

NOTICE

Date: 24.02.2021

It is hereby informed that we are organizing a workshop on "Webinar Series Research in Biological Sciences: Future Prospects Probiotic Bacteriocins" to be held from March 2, 2021. You are requested to attained the Workshop. The Link will be shared separately.

(Dr. Dipjyoti Chakraborty)
Prof. & Head

NOTICE

Date: 24.02.2021

It is hereby informed that we are organizing a workshop on "Webinar on Nucleic Acid Extraction and Quantification" to be held from March 2, 2021. You are requested to attained the Workshop. The Link will be shared separately.

> Dipinoti Chahrabor of (Dr. Dipjyoti Chakraborty) Prof. & Head

NOTICE

Date: 04.03.2021

It is hereby informed that we are organizing a workshop on "Webinar Series Research In Biological Sciences: Future Prospects Microrna – Fine Tuner of Host-Pathogen Interactions" to be held from March 12, 2021. You are requested to attained the Workshop. The Link will be shared separately.

(Dr. Dipjyoti Chakraborty)
Prof. & Head

NOTICE

Date: 04.03.2021

It is hereby informed that we are organizing a workshop on "Webinar Series Research in Biological Sciences: Future Prospects Algal Biotechnology for the Desert" to be held from March 13, 2021. You are requested to attained the Workshop. The Link will be shared separately.

(Dr. Dipjyoti Chakraborty)
Prof. & Head

NOTICE

Date: 10.03.2021

It is hereby informed that we are organizing a workshop on "Online Workshop on Impact of Genomics in Everyday Life" to be held from March 16, 2021. You are requested to attained the Workshop. The Link will be shared separately.

(Dr. Dipjyoti Chakraborty)
Prof. & Head

NOTICE

Date: 14.03.2021

It is hereby informed that we are organizing a workshop on "Webinar Series Research in Biological Sciences: Future prospects Piperine as an Anti Viral Drug an in Silico Study" to be held from March 21, 2021. You are requested to attained the Workshop. The Link will be shared separately.

(Dr. Dipjyoti Chakraborty)
Prof. & Head

NOTICE

Date: 18.03.2021

It is hereby informed that we are organizing a workshop on "Webinar Series Research in Biological Sciences: Future prospects Application of Biotechnological Tools for Improving Plant Growth and Development: Exploring the Hidden Half of the Plants" to be held from March 25, 2021. You are requested to attained the Workshop. The Link will be shared separately.

(Dr. Dipjyoti Chakraborty)
Prof. & Head

NOTICE

Date: 18.03.2021

It is hereby informed that we are organizing a workshop on "Webinar Series Research in Biological Sciences: Future Prospects Biotechnological Interventions for the Improvement of Tea" to be held from March 26, 2021. You are requested to attained the Workshop. The Link will be shared separately.

(Dr. Dipjyoti Chakraborty)
Prof. & Head

NOTICE

Date: 20.03.2021

It is hereby informed that we are organizing a workshop on "Webinar Series Research in Biological Sciences: Future prospects Genomic Associated Breeding in Chickpea" to be held from March 27, 2021. You are requested to attained the Workshop. The Link will be shared separately.

(Dr. Dipjyoti Chakraborty)
Prof. & Head

NOTICE

Date: 20.03.2021

It is hereby informed that we are organizing a workshop on "Webinar Series Research in Biological Sciences: Future Prospects Role of Natural Products in Disease Mitigation" to be held from March 27, 2021. You are requested to attained the Workshop. The Link will be shared separately.

(Dr. Dipjyoti Chakraborty)
Prof. & Head

NOTICE

Date: 16.08.2020

It is hereby informed that we are organizing a workshop on "Webinar on Molecular & Functional Characterization of Abiotic Stress Responsive Gene" to be held from August 23, 2020. You are requested to attained the Workshop. The Link will be shared separately.

(Dr. Dipjyoti Chakraborty)
Prof. & Head

NOTICE

Date: 12.12.2020

It is hereby informed that we are organizing a workshop on "Webinar on Understanding the Molecular Effects of Hypobaric Hypoxia: Diagnostic and Therapeutic Possibilities" to be held from December 19, 2020. You are requested to attained the Workshop. The Link will be shared separately.

(Dr. Dipjyoti Chakraborty)
Prof. & Head

Deptt. of Bioscience & Biotechnology Banasthali Vidyapith

P.O. Banasthali Vidyapith-304022

NOTICE

Date: 21.03.2021

It is hereby informed that we are organizing a workshop on "Webinar on Protein Purification and Characterization" to be held from March 28, 2021. You are requested to attained the Workshop. The Link will be shared separately.

(Dr. Dipjyoti Chakraborty)
Prof. & Head

NOTICE

Date: 24.03.2021

It is hereby informed that we are organizing a workshop on "Webinar cum Workshop on Evolution of Plants from Cryptogams to Phanerogams" to be held from March 31, 2021. You are requested to attained the Workshop. The Link will be shared separately.

(Dr. Dipjyoti Chakraborty)
Prof. & Head