

5.4.1The Alumni association and its chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services.

The college has its registered alumni association “Anubandh” under the Vidya Prasarak Mandal trust. The committee plans and executes various activities for students’ benefit. Alumni also are part of different committees and provide valuable suggestions.

During the lockdown period, various online activities were organised by Alumni Association. The topics covered guest lectures on various topics: National Education Policy, Immunity Checkbox, “Life in Indian Army”, six sessions of career guidance lecture series, Five Day Workshop on “Statistics in Day to Day life” for newly admitted students in FYBSc., seven sessions of competitive exam guidance. Talk by alumni Ms. Elizabeth Talker and Ms. Judith Talker was also organized, during which they shared their recently published research work in a research journal of high repute that motivated the students for research.

BNBCS alumni thus contribute significantly to the development of the college by monetary as well as non monetary means.

VPM's B. N. Bandodkar College of Science (Autonomous)
Department of Biotechnology and Microbiology
Invited lecture

Activity Report

Department of Biotechnology and Microbiology of VPM's B. N. Bandodkar College of Science had organized an **Invited talk on 9th March 2021**. The talk was delivered by **Ms. Elizabeth Talker and Ms. Judith Talker, both alumni of Department, on their recently published research work.**

Ms. Elizabeth Talker, Scientific Officer, Cancer Cytogenetics Dept. ACTREC, TMC and Ms. Judith Talker, Assistant Professor, Department of Biotechnology, B. N. Bandodkar College of Science, Thane presented and discussed their work on **"Evaluation of Cytogenetic Response in CML Patients with Variant Philadelphia Translocation"**. The research work is recently published in 'Asia Pacific Journal of Clinical Oncology', a research journal of high repute (impact factor 2.012). The research was performed at Dept. of Cancer Cytogenetics, ACTREC, TMC, Navi Mumbai, as a part of their M. Sc. project work.

Ms. Judith Talker initiated her talk with a brief introduction to Cytogenetics and the concept of chromosomal translocations. She explained to the students how a variant translocation can occur involving more than two chromosomes can affect the responsiveness to the treatment; followed by description of the methods they adapted for the research work. Ms. Elizabeth, discussed the results of the study with the students and completed the talk by summarizing the conclusions of research work which emphasized on necessity to cytogenetically characterize these patients to confirm prognosis and disease progression.

Due to the current conditions of Covid pandemic, the talk was organized on 'Microsoft Teams' online platform. **162 participants attended the invited talk.** The event was graced by presence of Dr. Moses Kolet, In-charge Principal of college and Dr. Moitreyee Saha, Head, dept. of Botany and Coordinator of research committee of college.

Competitive Exams Experience Sharing Session

The Department of Biotechnology and Microbiology had organised an interactive session on competitive exam preparation by four meritorious alumni students on 12th March 2021 at 4pm. The session was conducted by Ms. Saeed Joshi, Ms. Himadri Kale, Ms. Manali Neman and Ms. Komal Gavas who graduated in Microbiology in 2019-20. Komal, Himadri and Manali are pursuing their masters in Marine Biotechnology from Goa University, whereas Saeed is now a student of Masters in Medical Biotechnology in M. S. University, Baroda after clearing their entrance examination. All of them cleared Gat-B in 2020 with All India good ranks. Due to the current scenario of Covid pandemic, the session was organized on Microsoft Teams online platform.

The session started with Komal and Himadri sharing their journey of three years in the department. Recollecting the memories of their first year, they emphasized on how participating in various events including Microbio-Olympiad raised their self-confidence. They talked about their experience of volunteering for departmental fest, participating in departmental journal and movie club, and the technical workshops (such as molecular biology workshops) organised by the department.

Manali shared the experience of the research project they did in college under the guidance of in-charges Dr. Kalpita Mulye and Dr. Jayashree Pawar. She specially mentioned that, the learning that they had through the overall process of research project, the techniques handled and presentation of work in competitions was an enriching experience.

Saeed Joshi mentioned various entrance/ competitive exams and shared the way she and her group prepared for these exams. All four, spoke about their current courses. The session received an enthusiastic response from students through the questions they asked. All four speakers responded to the questions with the same zeal.

The session was attended by 140 students from different departments of B. N. Bandodkar College. Feedback for the session was taken using google forms. Filled forms were received from 84 participants. In addition to the gradient format for feedback, students were also asked to post comments, where most of them mentioned that the session was really helpful, inspiring and more such sessions would be welcome in future.



VPM's B.N.Bandodkar College of Science, Thane, Autonomous
Students Leader Committee
Conducted a Motivational Program

By

Lt. Col. Vishal Arora
Alumnus, VPM's B.N.Bandodkar College of Science, Thane

Date : 21st December 2020.

Time : 11.00 am to 2.00 pm

Students leader Committee of VPM's B.N. Bandodkar College of Science, Thane organized a motivational lecture for the NCC Cadets of B.N. Bandodkar College of Science, Thane. Keeping in mind the lockdown period, NCC cadets attended the program taking adequate precaution and maintaining social distance. The guest speaker for the day was Lt. Col. Vishal Arora.

The motivational lecture was arranged on 21st December 2020 from 11.00 a.m. to 2.00 p.m. on the topic "**Life in Indian Army**". Lt. Col. Vishal Arora. is an alumnus of B.N. Bandodkar College of Science, Thane, he was a student of Junior College from 1990 to 1992. He completed his graduation in 1996. He did B.Sc. with Physics as his subject from our college from 1993 to 1996. He joined Indian Military Academy in 1997 and was commissioned into Regiment of Artillery in 1998 as an Army Officer.

On the onset our Principal Capt. Dr. Moses Kolet re-introduced the College to the chief guest. He elaborated on the milestones achieved by our college in the past few years, Lt. Col. Vishal Arora started the motivational lecture by reminiscing about the college as it was then, when he was a student. He spoke about the bond and the bonding that he has for the college.

Lt. Col. Vishal Arora explained to the cadets about his preparation and his single mindedness about joining the Indian Army. He said that he started preparing while he was still in school. He was into event management and physical training which later helped him in his selection to IMA. He discussed his years in Indian Military Academy as a cadet, his learnings and lifestyle as an Army Officer. Lt. Col. Vishal Arora motivated the cadets to join services and serve the Nation.

He inspired the cadets as he spoke about the time he spent in North East, Jammu and Kashmir and his posting in Delhi and Devlali. He told students about his work to counter insurgency and his deployment at the line of control and the actual line of control. On being questioned about his most daring and eventful deployment he recounted his experience at Siachen area bordering Pakistan.

Since Lt. Col. Vishal Arora is an alumnus of Physics Department, retired teachers and retired Principals from Physics department came together to greet him. A total of 75 students attended the lecture. There were 20 teaching and non-teaching staff.



Anubandh:Alumni Association of VPM's B.N.Bandodkar College of Science, Thane

Report of Webinar on “Immunity Checkbox”

Date:5thJuly , 2020

Number of participants–39**Number of teachers** - 05

Resource person:Ms Meghana Sane, Product Manager, CTL

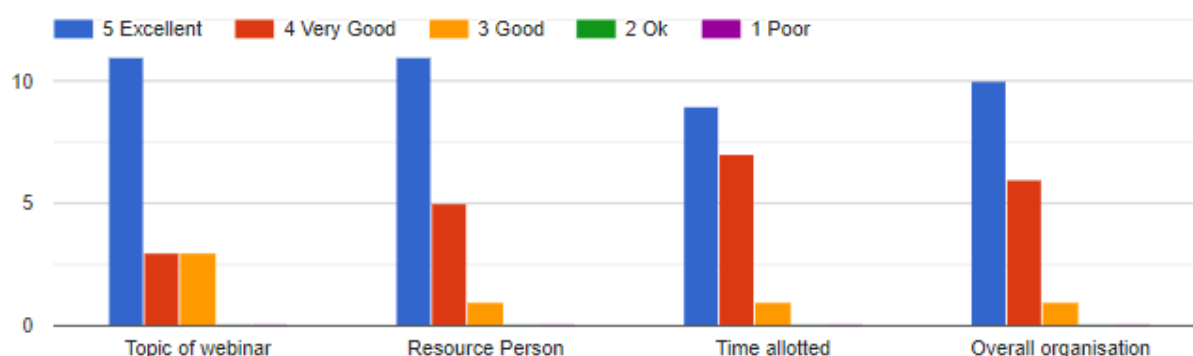
Platform:Google meet

Anubandh Alumni Association of VPM's B.N.Bandodkar College of Science, Thane conducted a Webinar on “Immunity Checkbox”. The program was held on 5th July 2020 at 12.00 pm. During pandemic situation, it is very essential to boost the immunity of every individual.

To aware the students about Immunity, this session was conducted. Ms Meghana in very lucid way explained about how we can take care of our health and can increase our immunity. She described about nutritious food and its importance in our life. She specially mentioned about increasing use of junk food reduced our immunity.

The session was not only interesting but also motivating to the young students. Students gained knowledge about diet plan, eating habits and exercise from this session.

Feedback Analysis :



03rd August, 2020 – 7th August, 2020

V.P.M's B.N. Bandodkar College of Science, Thane
Department Of Statistics
Statistics (Sankhya) Club Activity
Online Celebration of
National Statistics Day (NSD)

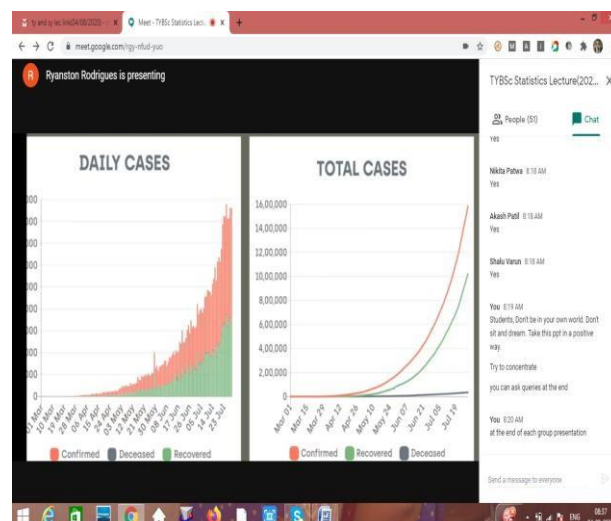
Advantages & Disadvantages

ADVANTAGES

- A decision tree is easy to understand & interpret .
- Expert opinion & preferences can be included as well as hard data.
- Can be used with other decision techniques .

DISADVANTAGES

- Calculations can become very complex, although this usually only a problem when tree is being created by hand.



Certain online presentations done by students related to Statistics

The National Statistics Day is celebrated every year on June 29 in India to create public awareness about the importance of Statistics in socio-economic planning and policy formulation. The day also acknowledges notable contribution of Late Professor Prasanta Chandra Mahalanobis in fields of Statistics, Statistical system and Economic planning. The Government has been celebrating the Statistics Day, to popularize the use of Statistics in everyday life and sensitize the public as to how Statistics helps in shaping and framing policies.

29th June, 2020 marked the beginning of the 128th year of birth of Prof. P.C. Mahalanobis, so on account to that V.P.M's B.N Bandodkar College Of Science,

Department of Statistics has held Statistics Day celebrations by arranging one week online presentations for T.Y.B.Sc Statistics students from 3rd August, 2020 to 7th August, 2020 via online Google Meet at 8 – 9.40 am.

Departmental Incharge Head Ms. Divya Nair inaugurated the presentation by giving a brief idea about the application of Statistics. Thus, began the online presentation work where students were selected on the basis of lottery method in the above mentioned dates. Students were allowed to choose the topic according to their wish. They presented topics related to Statistics and work done by Statisticians and they had a brilliant knowledge in their topic so they presented it well. There were in all 17 groups of T.Y.B.Sc which consists of in all 56 students who shared their knowledge related to Statistics. The Total number of participants was 50. The Incharge Head and other 4 faculty members of Statistics Department guided Students in their online presentation to rectify their errors.

- Group1 gave an introductory presentation on practical applications of Statistical Distributions and Techniques in Real Life.
- Group2 explained about what is Statistics? and its application, and Career in Statistics.
- Group3 explained in detail about Linear Programming using certain examples.
- Group4 revised the concepts of Sequencing Problem.
- Group5 explained the concepts of Moment Generating Function, it's properties and finding mean and variance using Moment Generating Function.
- Group6 described Designs of experiments.
- Group7 explained the application of Designs of experiment (Randomized Block Design, Factorial Experiment).
- Group8 put a light on National Sample Survey Organization.
- Group9 shared the knowledge related to Statistics in Psychology and Education
- Group10 gave detailed information about the Statistics and Agriculture.
- Group11 focused on the use of Statistics in day to day life.
- Group12 shared the use of Statistics in sports.
- Group13 explained about the concepts of Decision theory.
- Group14 focused on Certainty experiment.
- Group15 gave their point of view on Transportation Problem.
- Group16 explained the concepts of Game theory.
- Group 17 explained about the concepts of Binomial distribution.

In this way their presentation work concluded, where each and every staff discussed about the importance of presenting a topic and its use in student's future. This was followed by students sharing their own experience in presenting Statistics Topics in NSD celebrations. The T.Y.B.Sc students concluded their program by giving a vote of thanks to all Professor's of Statistics Department.