

**5.1.4 Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year:2020-2021**

Name of the Activity conducted by the HEI to offer guidance/coaching for competitive examinations during the year

<b>Sr. No</b>	<b>Details of competitive examination preparation</b>
1	Competitive exams guidance session by Mr.Subhash Khatri, Ph.D Scholar, TIFR, Mumbai
2	Department of Biotechnology & Microbiology GAT-B Paper Solving Session by Ms. Saeed Joshi and Ms. Komal Gawas
3	Department of Biotechnology & Microbiology GAT-B Exam Guidance and Question Paper Solving Session by Ms. Manali Neman and Ms. Himadri Kale
4	Department of Biotechnology and Microbiology Competitive Examination Guidance Session by Ms. Shivani Malvankar

**VPM'S B.N.BANDODKAR COLLEGE OF SCIENCE (AUTONOMOUS), THANE**

**Name of the Activity conducted by the HEI to offer guidance / coaching for career counselling during the year 2020-2021**

<b>Sr. No</b>	<b>Details of Career Guidance / Counselling sessions</b>
1	Workshop on "Career in a Chemistry" by Dr. Ajit N Bhumkar
2	Department of Biotechnology and Microbiology Career Guidance Session by Dr. Jayashree Pawar and Dr. Kalpita Mulye
3	Career Development Program - Lecture on 'Careers in Botany' by Dr.Snehal Bhangale
4	Career Development Program - Lecture on 'Build Your Career' by Dr.Urmila Kumavat
5	Seminar for Awareness of various Entries in Defence services by Retired Captain Mr. Ramesh Tope
6	Peer to Peer Career Guidance of MSc in Nutraceuticals by Siddhesh Rajput and Pratik Jadhav
7	Peer group interaction session MSC student with BSC students by All MSc. Physics 2020-21 Pass out students of B.N. Bandodkar college of science (Autonomous)
8	Guidance lecture by Dr. Ujjwal Rathore and Dr. Shweta Karambelkar
9	Guidance seminar on career in central Government Services by Suhas A Patil

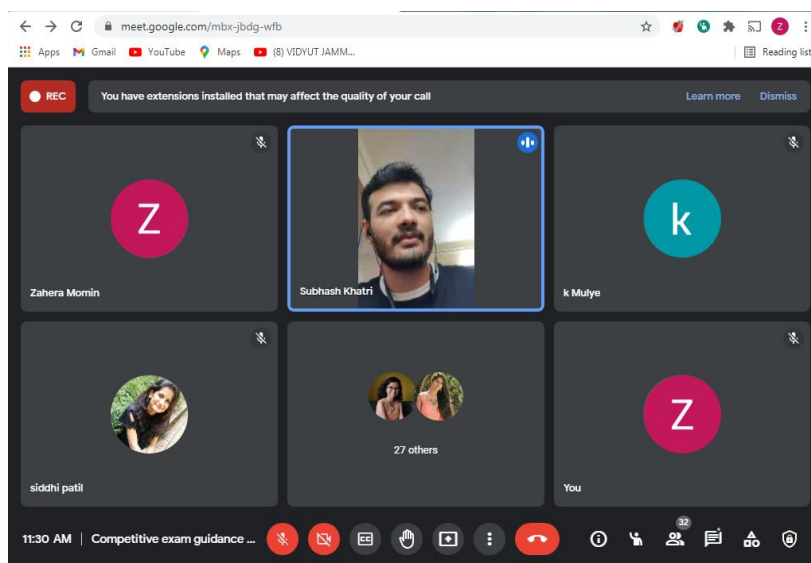
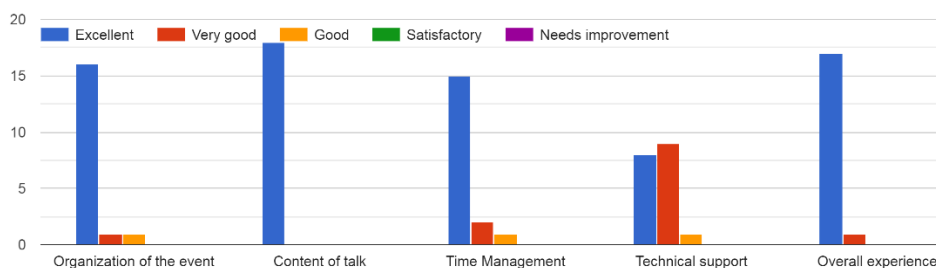
## Activity Report: Competitive exams guidance session

The Department of Biotechnology and Microbiology had organized a Competitive exams guidance session on 4<sup>th</sup> July 2021 at 11.00am on google meet platform. The session was conducted by our alumnus, Mr. Subhash Khatri, Ph.D. Scholar, TIFR, Mumbai. Dr. Kalpita Mulye and Dr. Jayashree Pawar welcomed the speaker and Ms. Zahera Momin introduced him to the audience.

Mr. Subhash Khatri explained the students different aspects of M.Sc. by papers and by research. He also gave a gist of his current research work in TIFR. Mr. Khatri also gave an insight into life as a Ph.D. scholar and solved several other doubts of the students. He motivated the students to prepare sincerely for entrance exams and discussed strategies to study for the same. He also talked through the interview and SOP stages of selection after clearing the exam.

The session was attended by 27 students from department of Biotechnology and Microbiology of B. N. Bandodkar College. Feedback for the session was taken using google forms. Filled forms were received from 18 participants. The students commended the excellent overall organization of the event and appreciated the firsthand experience of research institute shared by the Mr. Khatri. They also mentioned that the session was really interesting, informative and that they anticipate attending more such detailed sessions in future.

How did you like the invited talk? (Select any one among the five options)



**VPM's B N Bhandodkar College of Science (Autonomous)**

**Department of Biotechnology & Microbiology**

**GAT-B Paper Solving Session**

**Activity Report**

Department of Biotechnology & Microbiology had organized an online session on '**GAT-B Paper Solving**' on **14<sup>th</sup> July 2021 at 3 pm**. The session was open to all the students who have registered for the competitive exam guidance activity of the department.

The session was conducted on an online platform of google meet. Alumni students **Ms. Saeed Joshi and Ms. Komal Gawas** who have cleared GAT-B Examination in the year 2020 with All India Rank 154 and 124 respectively, were invited for guiding junior students with an objective of peer led learning.

The session started exactly at 3 pm with a brief introduction of the speakers by Ms. Sayali Daptardar, Assistant Professor, Department of Microbiology. Ms. Saeed and Ms. Komal discussed each question from the paper with students. The session was **attended by 32 students** and was very interactive. All the participants gave a very positive feedback about the session which ended at 6.18 pm. The glimpse of the feedback received from the participants is as given below.

The session was recorded for official purpose and it is available on the link given below:<https://cutt.ly/MQromTD>

<https://cutt.ly/MQromTD>

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## VPM's B N Bandodkar College of Science (Autonomous)

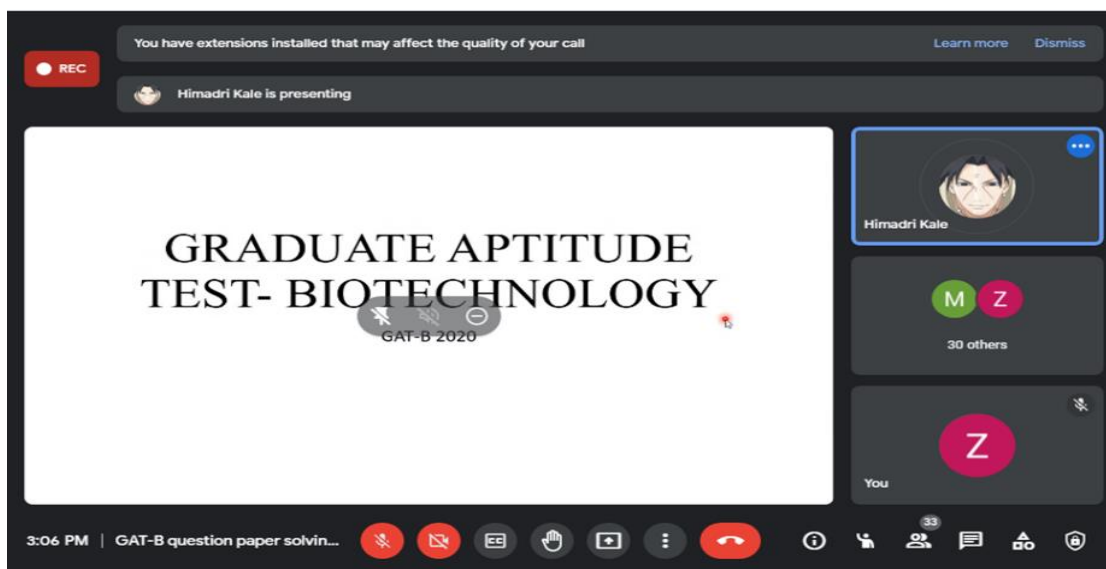
### Department of Biotechnology & Microbiology

#### GAT-B Exam Guidance and Question Paper Solving Session

##### Activity Report

Department of Biotechnology and Microbiology, VPM's B. N. Bandodkar College of Science (Autonomous), had organized **online GAT-B question paper solving session** by **department alumni**, graduated in Microbiology in 2019-20, **Ms. Himadri Kale and Ms. Manali Neman**. Both are pursuing masters in Marine Biotechnology from Goa University. The session was organized on google meet platform on **16<sup>th</sup> July 2021 at 3 pm**.

Ms. Himadri Kale and Ms. Manali Neman discussed the GAT-B questions of Section A and B from the question paper of year 2020. Students were first told to attempt solving the question and then the answer was discussed in detail by Ms. Himdari and Ms. Manali. More than 31 questions were solved during the session. They also motivated the students to prepare sincerely for entrance exams and discussed strategies to study for the same and suggested reference books for GAT-B preparation.



The session was **attended by 28 students** from department of Biotechnology and Microbiology of B. N. Bandodkar College. Feedback for the session was taken using google forms. Filled forms were received from 13 participants. The students commended the excellent overall organization of the event and appreciated the hard work of the speakers. They also mentioned that the session was really interesting, informative and that they wish to attend more such sessions in future.

**VPM's B. N. Bandodkar College of Science (Autonomous)**

**Department of Biotechnology and Microbiology**

**Competitive Examination Guidance Session**

**Activity Report**

Department of Biotechnology and Microbiology had organized orientation lecture for competitive exam preparation by **Ms. Shivani Malvankar, alumna of the Department**, currently pursuing 'MSc Biotechnology' from **AIIMS, New Delhi**. The lecture was organized on **Monday, 26<sup>th</sup> July 2021 at 4 pm**.

Dr. Jayashree Pawar began the session and introduced Ms. Shivani to the audience. She proudly mentioned her two publications in ISSRF Newsletter and that she is author of a chapter in a book 'Omics approaches to infectious diseases', published by 'springer publications'.

To begin with, Ms. Shivani discussed about the **AIIMS entrance examination pattern for PG Biotechnology course** in detail. She discussed **few questions in recent question papers**. She also gave the students, idea about **other masters programs offered** by the reputed Institution and how to apply for these courses. She explained her research work on '**regulatory roles of tRNA derived RNA fragments**' and on '**small noncoding RNAs**' accomplished during her Masters study. The students were highly impressed with the research idea and the huge amount of work by her. They also mentioned that the session was very amazing, helpful and informative.

The session was kept open for all biological Sciences students of the College. **Forty-eight students of Biotechnology and Microbiology and two students of botany attended the session**. Thirty nine students gave the feedback in which they commended the overall organization of the event. The feedback received is depicted below.

**VPM's**  
**B. N. Bandodkar College of Science, (Autonomous) Thane**  
**Department of Chemistry**  
**Report**

**Department:** Chemistry

**Date:** 26<sup>th</sup> June 2021

**Time:** 9.00 noon.

**Activity:** Workshop on "Career in a Chemistry"

**Resource Person:** 1. Dr. Ajit N Bhumkar,

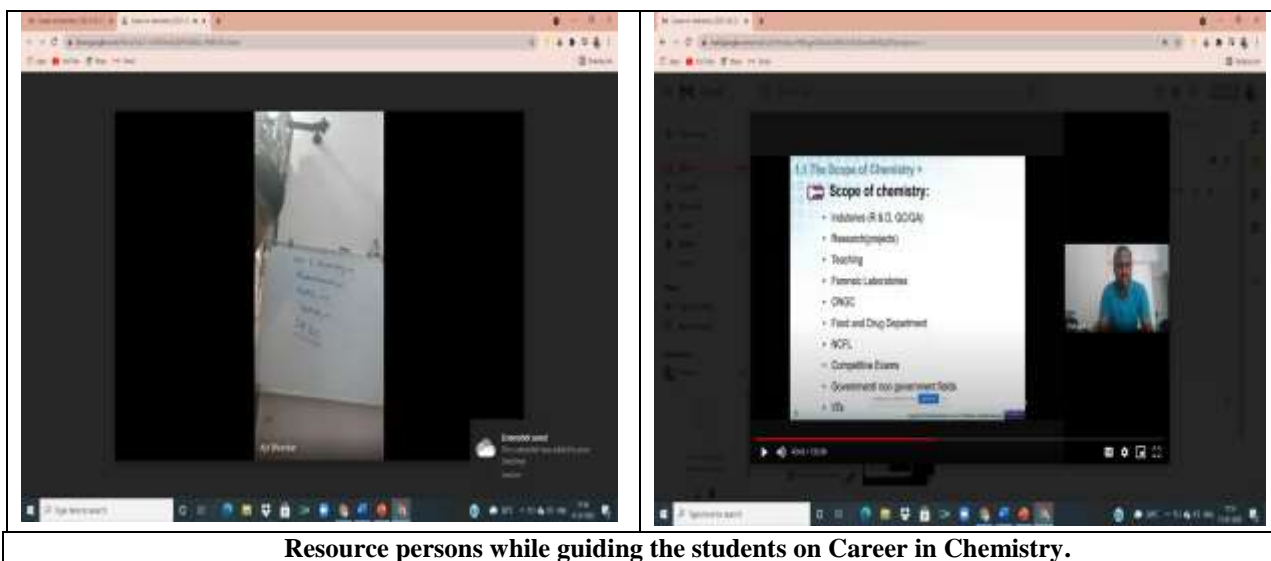
2. Dr. Pralhad S. wagh

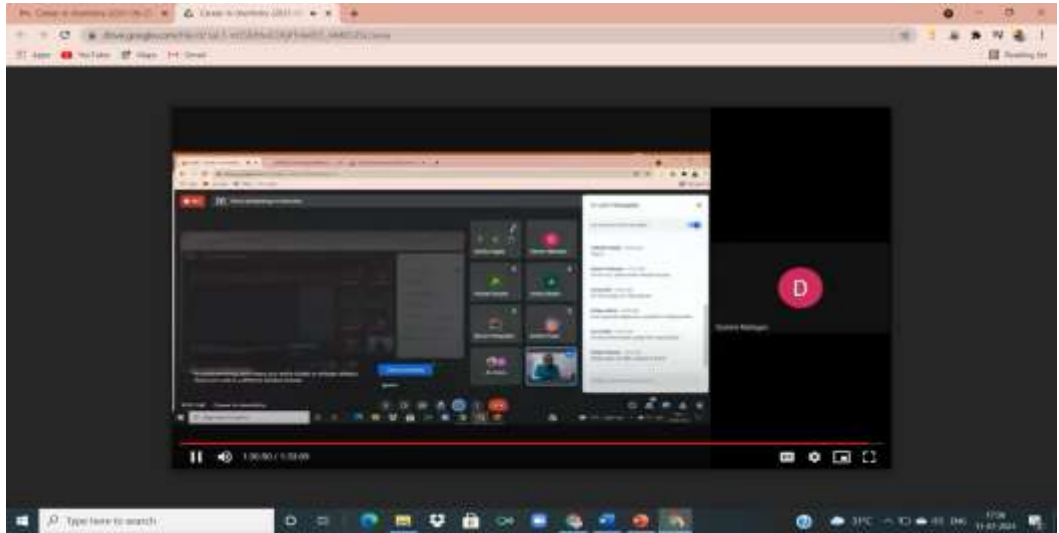
**Institution:** VPM's B. N. Bandodkar College of Science, (Autonomous) Thane.

The Department of Chemistry, B. N. Bandodkar College of Science, Thane arranged a workshop on "Career in a Chemistry" for T.Y.B.Sc (Chemistry) students. This workshop aimed to explore and highlight the various opportunities available in the different fields for chemistry subject. Dr. Ajit Bhumkar sir in his guidance explained about how the students can pursue a better career in chemistry. He introduced the opportunities in the field of industry and research with skills are required to acquire good positions. By doing master of science in the chemical science field students can get the opportunities to work at quality control and research and development sections of many pharmaceutical, polymer, textile industries he explained. He also talked on opportunities available in chemistry subject in institutes like DRDO, NCL, CSIR, etc.

Dr.Pralhad Wagh sir explored the different options to make a good career in chemistry he explained that the career in chemistry in India has been untapped for several years. But with industry prospects for careers changing, there is an increasing demand in this career field. Hence, Chemistry graduates and postgraduates are highly in demand by international pharmaceutical industries. He added that there are many opportunities in the government sectors like Forensic Science department, Food and Drug department, ONGC, RCFL, lab technician positions at government institutes are also available for the chemistry students. Sir also explained the importance of SET/NET examination require to become a Assistant Professor in the chemistry subject. He also talked on opportunities in the field of research like to pursue Ph.D degree from the various institutes like TIFR, ICT, IITs, CMET, IISER, etc.

Students interacted with the speakers and obtained the information related to opportunities in the various field of chemistry in detail. Total 55 students of T. Y. B. Sc and 2 teachers participated in the workshop.





Interactions of resource persons with students during the session.



# **Department of Biotechnology and Microbiology**

## **Career Guidance Session**

### Activity Report

Department of Biotechnology and Microbiology had organized On line meet for Career Guidance session on 2<sup>nd</sup> and 3<sup>rd</sup> July 2021. Dr. Jayashree Pawar was the in-house faculty guiding the students. The sessions were kept open for students of all departments as well as parents. Dr. Kalpita Mulye highlighted the importance of competitive examinations and briefly introduced Dr. Pawar. On 2<sup>nd</sup> July Dr. Jayashree Pawar gave overview of different career opportunities for biological sciences students. She elaborated on the opportunities that can open up after qualifying competitive exams like JGEEBILS, JAM, JNU, JNCASR, NIV, CFTRI etc. Information about paper pattern of these exams, marking scheme and preparation for the same was also provided.

Next day (3<sup>rd</sup> July 2021) she gave the idea about the opportunities in Bioinformatics and Intellectual property rights (IPR). Giving interesting examples, she also stressed on entrepreneurship as a promising opportunity. Students from Botany and Human sciences along with Biotechnology and Microbiology students making a total 101 students attended the session. On both the days students enthusiastically asked a few questions that were answered by Dr. Jayashree Pawar and Dr. Kalpita Mulye. On both the days, 'feed back' was taken. According to 74 feed back forms received, the students found 'the activity' extremely good and requested to plan such in future too. Few students appreciated the efforts taken by faculties and thanked them.

**VPM's B.N.Bandodkar College of Science (Autonomous), Thane**

**Report of**

**Career Development Program - Lecture on 'Careers in Botany'**

**Date:** 22<sup>nd</sup> September, 2021

**Name of the department conducting event:** Department of Botany, VPM's B. N. Bandodkar College of Science (Autonomous), Thane

**Class & Number of participants – F. Y. B. Sc (18 Males + 29 Females = Total 47)**

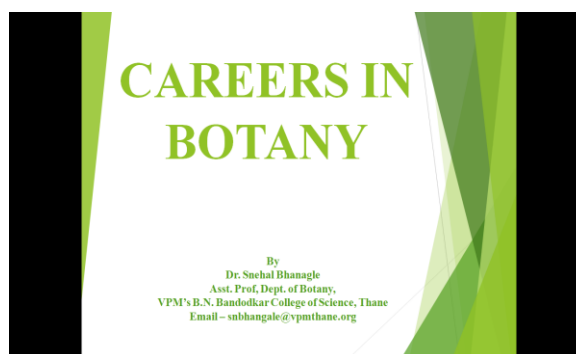
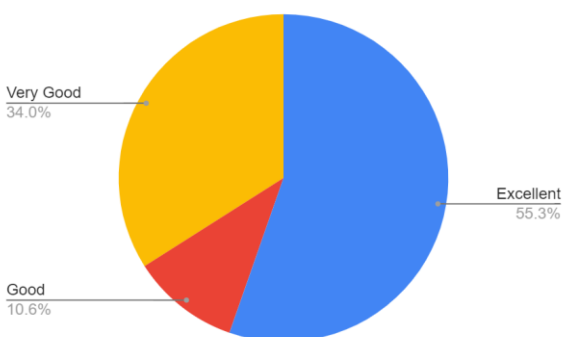
**Number of teachers - Nil**

**Resource person:** Dr. Snehal Bhangale, Asst. Professor, Department of Botany, VPM's B. N. Bandodkar College of Science (Autonomous), Thane

**Platform:** Google meet

It is observed that students are often mistaken that after graduation in botany there is no career opportunities in future or even many students love to pursue a career in botany but they don't have the proper guidance. Hence it is necessary to create awareness of botany subject and what are different field in which students can pursue their after graduating from botany, a lecture on the topic of **Careers in Botany** was organized by Dept. of Botany, under the scheme of career development. It was conducted by Dr. Snehal Bhangale using online mode. The lecture began with discussion about what is Botany? What they will study and practically performed during three years of course work in botany. Then students were brief about what are different courses they can opt and what are the career opportunities after graduation. Students learn many new fields and very curious about it. This session was thoroughly enjoyed by all students and participated enthusiastically.

**Feedback Analysis:** The overall feedback received for the session was excellent.



**Outcomes:**

- The session was useful in understanding about different fields in botany.
- They got to know what are the career opportunities after graduating from botany.

VPM's B.N.Bandodkar College of Science (Autonomous), Thane

Report of

Career Development Program - Lecture on 'Build Your Career'

Date: 24th September 2021

Name of the department conducting event: Department of Botany, VPM's B. N. Bandodkar College of Science (Autonomous), Thane

Class & Number of participants – F. Y. B. Sc (21 Males + 34 Females = Total 55)

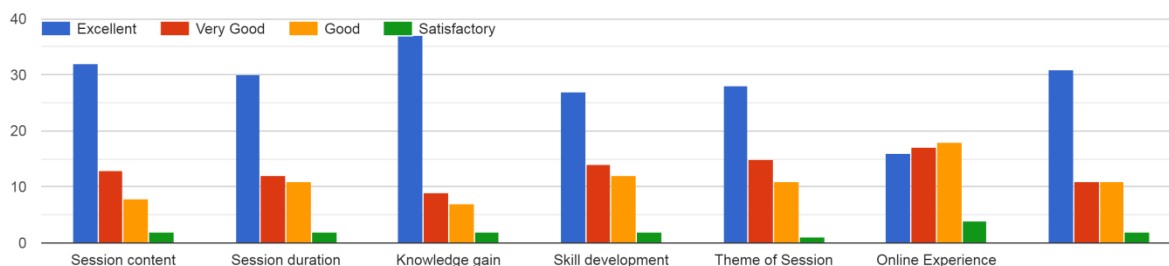
Number of teachers - Nil

Resource person: Dr. Urmila Kumavat, Asst. Professor, Department of Botany, VPM's B. N. Bandodkar College of Science (Autonomous), Thane

Platform: Google meet

It is observed that college students often experience a state of confusion while fixing their career options. In such conditions, one cannot deny the possibility of trying many things and landing up in nothing. Hence it is necessary to create awareness about self analysis and development of one's own future plan/s irrespective of peer pressure of colleagues and expectations of family. Under the scheme of career development, a lecture on the topic of **Build Your Career** was organized by Dept. of Botany. The talk began with discussion about ideal expectations of students from a bright career and definition of success. Students were briefly introduced to '**Maslow's hierarchy of needs**' which gave an excellent platform to proceed with detailing of 'Self analysis by SWOC'. Students were explained to develop essential qualities by investing time, effort and energy. They were asked to realize their own physical, mental, intellectual and financial potential which can be utilized for creating a better career. They were appealed to implement their strength in a positive way, to overcome weaknesses, to identify opportunities and to accept challenges with great deal of courage and enthusiasm. They were also guided about maintaining physical health, enhancing IQ-EQ, self discipline, time management and professional skills which form the essence of a bright career. This session was thoroughly enjoyed by all freshers. Almost all students had a dialogue with a speaker and participated enthusiastically.

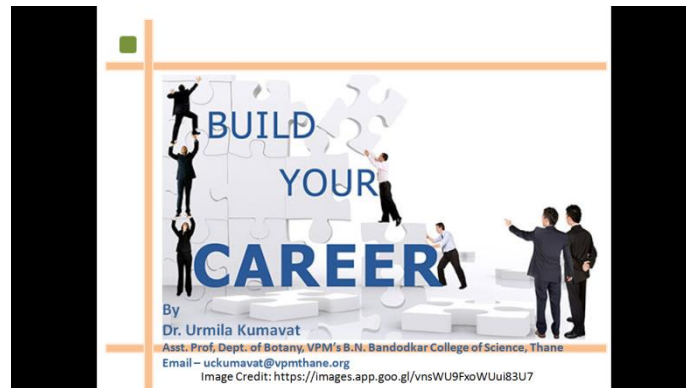
**Feedback Analysis:** The overall feedback received for the session was excellent.



**Outcomes:**

- The session was useful in understanding 'How to do Self SWOC Analysis?'

- They got to know about their own strengths, weaknesses, opportunities and challenges which formed the basis for future plans.
- Students were benefited in many ways which can direct them to think rationally while taking initial steps in career building



**VPM'S B. N. BANDODKAR COLLEGE OF SCIENCE (AUTONOMOUS), THANE (W)**



**NATIONAL SERVICE SCHEME**

**Report of the Activity- Seminar for Awareness of Various Entries in Defence Services**

**(Offline Event)**

**Date: 4<sup>th</sup> December, 2021.**

**Time: 12:30 p.m. to 3:30 p.m.**

Defence Services means services under the Government of India in the Ministry of Defence. A career in defence forces promises one of the most prestigious and respected positions in the country. The Ministry of Defence is responsible for the management of armed forces in India. Since, career in defence services is very prestigious and respectful therefore awareness and guidance regarding the defence services became prominently vital.

Hence, NSS Unit in collaboration with NCC Unit and Competitive Exam Committee of VPM's B.N. Bandodkar College of Science (Autonomous), Thane (w) ,organized a seminar on Awareness of Various Entries in Defence Services on 4<sup>th</sup> December, 2021, in Patanjali Auditorium at 12.30 pm.

The Chief Guest of the seminar was Retired Captain Mr. Ramesh Tope. He is retired deputy officer of Indian Army Corps of Signals. He was special officer of security in Abhyudaya Cooperative Bank Ltd. for 5 years. He has been spreading awareness among youth about careers in defence for 10 years.

The anchor for this seminar was NSS Volunteer Ms. Misbah Khan (SY BSC, CZ). She welcomed and addressed all the dignitaries who were present. Captain Bipin Dhumale gave an introduction about the programme and he also felicitated the chief guest Mr. Ramesh Tope .

Chief guest Mr. Ramesh Tope had given a detailed information regarding defence services. He explained about various entries in defence services such as CDS ( Combined Defence Service), AFCAT ( Air Force Common Admission Test), NDA (National Defence Academy), CAPF (Central Armed Police Force), etc. in his PowerPoint Presentation. He also explained about the

various entries in defence services for the girls such as Military Nursing Service, Combined Medical Service, and Short Service Commissioner (Technical), etc. .This seminar ended with National Anthem at 3:30 p.m. NSS Volunteers and NCC Cadets had gain very valuable information regarding various entries in defence services.

Captain Bipin Dhumale (NCC Officer), Mr. Prakash Mali (Former Cultural Coordinator), Mr. Anil Athavale (Yuva Jagar Coordinator), Dr. Pralhad Wagh (NSS, PO), Dr. Ajit Bhumkar were present in this seminar.

Total 113 NSS Volunteers were attended this seminar among which 75 were girls volunteers and 38 were boys volunteers.

**NSS UNIT OF**  
**VPM'S B.N.BANDODKAR**  
**COLLEGE OF SCIENCE**  
**(AUTONOMOUS),THANE(W)**  
in collaboration with  
**NCC UNIT AND COMPETITIVE**  
**EXAM COMMITTEE**  
Organises

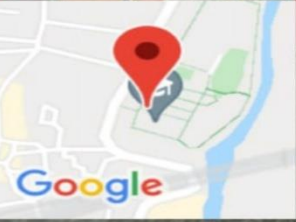
**SEMINAR FOR**  
**AWARENESS OF**  
**VARIOUS ENTRIES**  
**IN DEFENCE**  
**SERVICES**

Speaker- **Capt.Ramesh Tope(Retd.)**

**Date:- 04/12/21**  
**Time:-12:30pm**

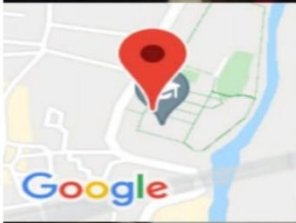
**Venue:-**  
**PATANJALI**  
**AUDITORIUM**

"I regret I have only one life  
to give for my country"



**Thane, Maharashtra, India**

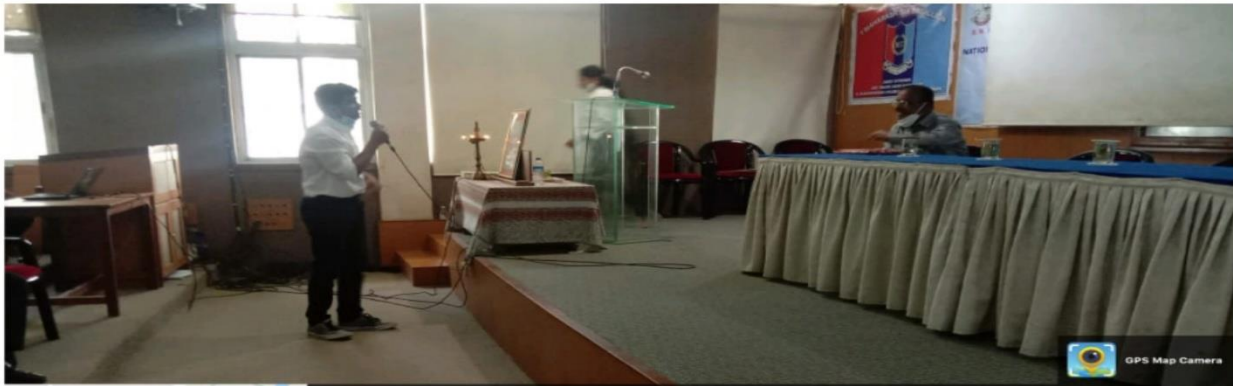
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**Thane, Maharashtra, India**

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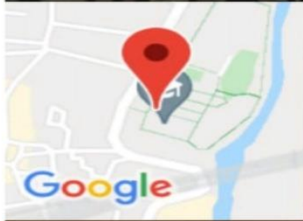
**Thane, Maharashtra, India**

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**Thane, Maharashtra, India**

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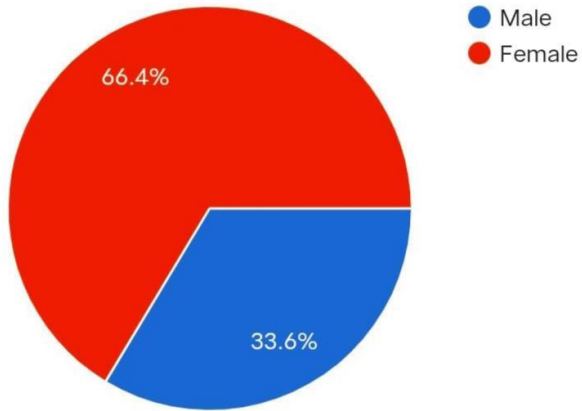
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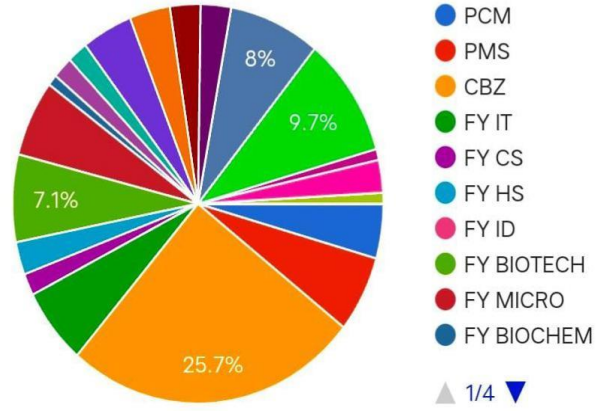
## Gender

113 responses



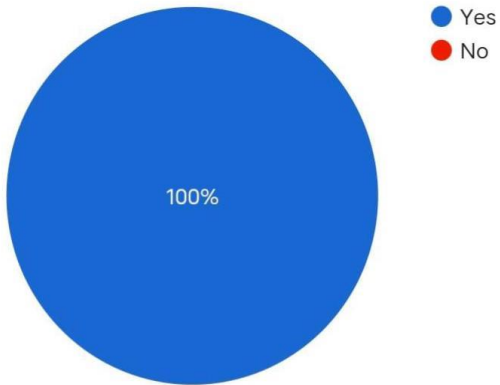
## Department / Subject Group

113 responses



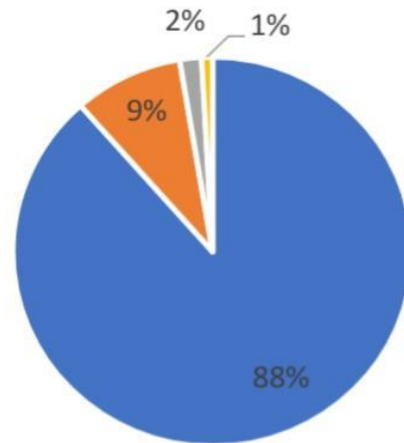
Did this seminar helped you to enhance your knowledge regarding defence services?

113 responses



## Feedback 113 Responses

■ Excellent ■ Very Good ■ Good ■ Average



Dr. Ujjwala Gokhe

Dr. Akanksha Shinde

Dr. Pralhad Wagh

(NSS Programme Officers).



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Name of Coordinator/ teacher in-charge: Dr.V.D.Manjaramkar

Two Geo tagged photos:



Graphical representation of feed-back:

## Activity Report

<b>Name of activity</b>	Peer Group Interaction Session
<b>Objectives of the activity (Maximum 40 words)</b>	<ul style="list-style-type: none"> <li>➤ Various career options after BSc/MSc (Physics)</li> <li>➤ How to Prepare for SET/NET exams?</li> <li>➤ How to prepare for other competitive exams like SSB, SSC, MPSC, UPSC, Bank exams etc.</li> <li>➤ Career options in defence field after BSc/MSc (Physics)</li> <li>➤ Career options in Data Science and Artificial Intelligence (AI) after BSc Physics</li> </ul>
<b>Organizing department/s</b>	Department of Physics
<b>Collaborative institute</b>	-
<b>Date (DD / MM / YYYY)</b>	15/03/2022 1:00 pm to 2:00 pm
<b>venue</b>	Physics Laboratory, Department of Physics, B. N. Bandodkar College of Science (Autonomous), Thane
<b>Mode</b>	Offline
<b>Details of Resource person (Name, designation, institution)</b>	Ms. Sushma Singh Ms. Bhairavi Musale Ms. Siddhi Thumbre Ms. Arshiya Chagan Ms. Bhagyashri Kubal Mr. Sachin Khandekar Mr. Vaibhav Wagh Mr. Yogesh Rathod Mr. Satyam Mishra (All MSc. Physics 2020-21 Pass out students of B.N. Bandodkar College of Science, Thane.)
<b>Key Participants</b>	-
<b>Remarkable outcomes/ key take-away messages (max. three)</b>	<ul style="list-style-type: none"> <li>• Complete dedication and consistency make everything possible</li> <li>• T.Y.B.Sc students get aware about importance of usages of reference books during graduation.</li> <li>• Importance of self-study and own notes preparation</li> </ul>

Details of participants	
Total Number	33
Outsiders	-
In-house	-
	Faculty members: 8          students: 33
	Male: 26          Female: 7          others: -
Additional information	--

Name of Coordinator/ teacher in-charge: Dr. Mrs. Sangeeta Meshram

Two Geo tagged photos:

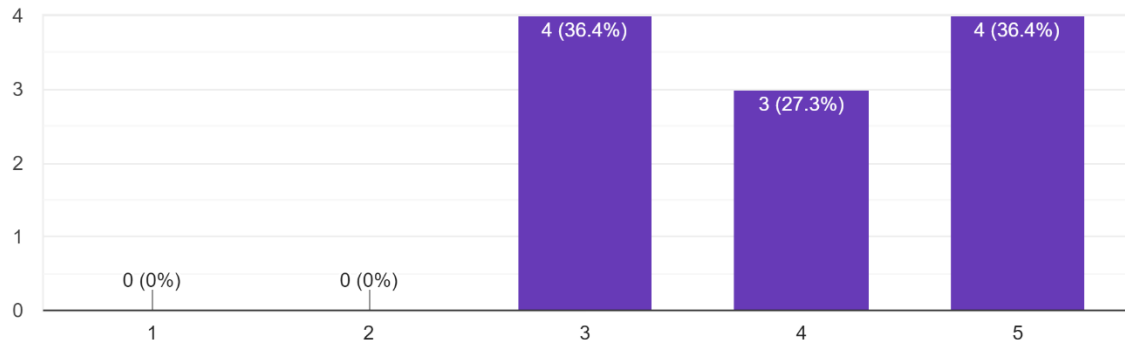




## Graphical representation of feed-back:

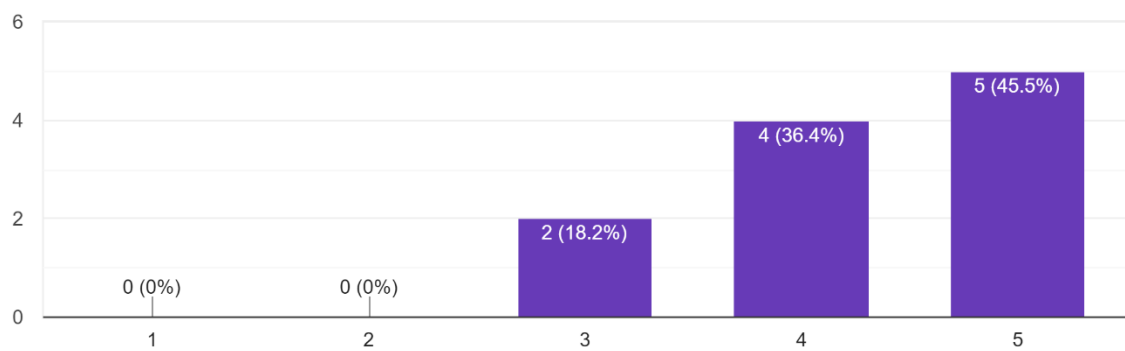
Rate Interaction on basis of 1 to 5 scale

11 responses



How much these information useful for your future career? (rate in the scale of 1 to 5)

11 responses







### Thane, Maharashtra, India

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Lat 19.188919°

Long 72.980305°

13/04/22 03:56 PM

GPS Map Camera



### Thane, Maharashtra, India

Building No 4, Jnandweep, Chendani Bunder Road, Jambli Naka, Thane West, Thane, Maharashtra 400601, India

Lat 19.18895°

Long 72.980284°

13/04/22 03:38 PM

GPS Map Camera

## Graphical representation of feed-back:

How did you like the Guest lecture? (Select any one among the five options)

 Copy



**VPM's B.N. Bandodkar College of Science (Autonomous) Thane (W)**

**NATIONAL SERVICE SCHEME**

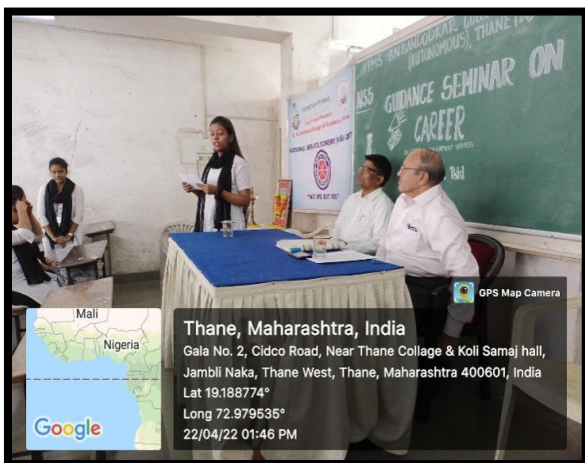
**ACTIVITY CODE:- 002BNBNSS220402**

<b>Name of activity</b>	Guidance Seminar on career in Central Government Services.
<b>Objectives of the activity (maximum 40 words)</b>	The goal of the seminar was to inform students about career in central government services.
<b>Organizing department/s</b>	NSS and NCC Units of B.N. Bandodkar College of Science (Autonomous) Thane (W).
<b>Collaborative institute</b>	-
<b>Date ( DD / MM / YYYY )</b>	22/04/2022
<b>venue</b>	B.N. Bandodkar College of Science (Autonomous), Thane Room no: 10, 2 <sup>nd</sup> Floor.
<b>Mode</b>	Offline
<b>Details of Resource person (name, designation, institution)</b>	The Chief guest of the session was Suhas A Patil. He has pursued BSc, LLB, B.A. (Yoga Shastra) He was a Deputy Commissioner. He also writes column and articles for Lok satta newspaper.
<b>Key Participants</b>	Capt. Bipin Dhumale (ANO).
<b>Remarkable outcomes/ key take-away messages (max. three)</b>	<ul style="list-style-type: none"><li>• Students learned about various central government services, especially Group B and C posts.</li><li>• The speaker also talked about the importance of mathematics and the necessities it entails, and he also taught some tricks like 'BODMAS' etc.</li><li>• He also revealed some tricks for IAS aspirants and advised students not to ignore such exams and posts.</li></ul>
<b>Details of participants</b>	
Total Number	29
Outsiders	01

In-house	28
	Faculty members: 01                      NSS Volunteers: 27
	Male Volunteers: 17                      Female Volunteers: 10 others:-
Additional information	The seminar began at 1:00 and lasted until 4:00. The seminar began with a few words from Captain Bipin Dhumale (ANO), followed by Saraswati Vandana and the lighting of the lamps.

Name of Coordinator/ teacher in-charge:      Dr. Ujjwala Gokhe (NSS PO)

Two Geo tagged photos:



Graphical representation of feed-back:

