

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

### **Report of Blended Certificate Course of Research Scholar Programme**

*Fourth batch of Research Scholar Programme was successfully completed on 24th February 2021. All 20 students were honoured and appreciated on 'National Science Day' (28<sup>th</sup> February 2021) with a certificate by the hands of Mr. Venkatraman (Former I/C/ Principal, B.N.Bandodkar College of Science, Thane)*

Research Scholar Programme has started in Academic year 2014-15. It is a Certificate Course related to Research methodology and Overall Development which has approved by College Development Committee (CDC). The course is of 4 credits and 24 months duration for which undergraduate students (S.Y. B.Sc.) are enrolled after a written test. The theory part (2 credits) includes five units titled 'Research Methodology-I & II', 'Skill Development-I & II' and 'Environment-Societal Aspects'. In addition to this 'Mini Research Project' of 2 credits is also involved in the course. Thus course helps in all round development of student's personality. It also enhances logical thinking involved in conduct of Scientific Research as well as it trains student in Event Management, Life skills, Soft skills & Computer skills.

This course had been partially (~50%) completed through offline mode till mid-week of March 2020. Due to 'Lockdown Period' of COVID-19, later all remaining modules were designed and conducted by online means. All resource persons including students took immense efforts in completing time bound assignments in unpredictable situation of lockdown. Some of the Mini research projects of RSP were re-structured and completed by January 2021. Students enjoyed this transition from offline to online conduct of course and appreciated the online modules of 'Heal Your Mind', 'Ecotourism', 'Soft Skills', etc. For this course, final Online-Exam had been scheduled on 24<sup>th</sup> February 2021. The successful students were felicitated by 'Certificate' on 28<sup>th</sup> February 2021, i.e. National Science Day.

*Majority of students gave excellent feedback with regard to course content, knowledge gained through course and research project execution. They also appreciated the online modules which enhanced their skills of presentation. So overall this course of 4 credits was proved to be beneficiary for students in multiple ways.*

**The following is the list of students of Research Scholar Programme 2020-2021 -**

Sr. No.	Title Of Project	Guiding Teacher	Department	Name/S Of The RSP Student/S
1	Assessing Approaches of Individual on Water Pollution Awareness & Prevention	Ms. Pooja Kanse	Biochemistry	Sumit Chauhan
2	Carbon Sequestration Potential Of Tree Species Of VPM Campus, Thane	Ms. Aishwarya Deshmukh & Dr. Urmila Kumavat	Botany	Nada Shaikh
				Neelam Soni
3	Effective Adsorption Of Fluoride On Low Cost Bioadsorbent Mixture Of Charcoal With <i>Malus domestica Peel</i> And <i>Cocos nucifera Husk</i> .	Ms. Smita Sonawane & Ms. Trupti Londhe	Chemistry	Tayyaba Ansari,
				Dharani Shetty
4	Tungsten Oxide Thin Film For Supercapacitor Application	Dr. Rohini Mandhare	Chemistry	Akshada Gawade
5	Estimation Of Fluoride Ions From Different Water Samples Of Near By Water Bodies Using Colorimeter	Ms. Smita Sonawane & Ms. Trupti Londhe	Chemistry	Tejaswini Salgaonkar
				Pritesh Kakade
6	A Systematic Review On Applications Of WO <sub>3</sub> Nanoparticles For Antibacterial Activity	Dr. Rohini Mandhare	Chemistry	Fiza Bartanwala
7	Perception Of Society On Rape Myths In Mumbai, India	Ms. Sakina Bhaigora	Human Science	Alphy Hari
				Shravya Karkera
8	Covid-19 Imposed Online Learning Experience From Undergraduate Student's Perspective	Mrs. Kadambari Manjrekar & Dr. Urmila Kumavat	Library & Botany	Saira Bartanwala
				Vipra Malandkar
				Nikita Linar
9	Use And Awareness Of Social Media Tools By UG Students	Mrs. Kadambari Manjrekar & Dr. Urmila Kumavat	Library & Botany	Bhagyashree Kamble
				Durgesh Patil
				Namrata Sor
				Shreya Pabrekar
10	Qualitative Study Of Fisheries Species Diversity	Dr. Sudesh Rathod	Zoology	Khushaboo Nishad
				Babita Yadav

**Feedback from Students –**

<b>Experience w.r.t.</b>	<b>Course Content</b>	<b>Course Duration</b>	<b>Knowledge Gain</b>	<b>Skill Development</b>	<b>Online Module</b>	<b>Research Project</b>	<b>Overall Opinion</b>
<b>Excellent</b>	<b>75%</b>	<b>35%</b>	<b>60%</b>	<b>45%</b>	<b>40%</b>	<b>70%</b>	<b>70%</b>
<b>Very Good</b>	<b>25%</b>	<b>45%</b>	<b>20%</b>	<b>55%</b>	<b>35%</b>	<b>30%</b>	<b>30%</b>
<b>Good</b>	-	<b>20%</b>	<b>20%</b>	-	<b>25%</b>	-	-
<b>Satisfactory</b>	-	-	-	-	-	-	-

**From**

**Dr. Urmila Kumavat**

**Coordinator, Research Scholar Programme**

**Asst. Professor, Dept of Botany**