



VIDYA PRASARAK MANDAL'S

B. N. BANDODKAR COLLEGE OF SCIENCE, THANE (AUTONOMUS)

"Jnandweepa", Chendani Bunder Road, Thane (W) – 400 601

NAAC re-accredited 'A' grade, College with Potential for Excellence (CPE),

Best College Award (University of Mumbai), ISO 9001:2015 Certified,

Recipient of RBNQA Commendation Certificate from IMC,

Recipient of Jagar Janivacha Awards of Govt. of Maharashtra,

Supported under - FIST 'O' Level (Min. of Sci. & Tech) & DBT Star College Scheme

Mini-Research Projects

(Year 2020-2021)

Preface

It gives pleasure to present this compiled data of all the Mini-research Projects on Sunday, **28th February 2021** on the occasion of ***Online Celebration of National Science Day***. It contains project reports completed by the students and teachers under Research Scholar Programme. The Science Square Committee has also organized an Online Oral Presentation of these Mini-research projects on the same day.

Mini-research projects help in inculcating research aptitude in budding mind of students. It not only promotes logical thinking but also enhances analyzing ability and presentation skills. Through these projects, student gets chance to participate in team work. They also improve the ability to utilize software tools.

It was a challenging phase to complete the task of Research Scholar Programme in COVID-Lockdown situation during academic years 2019-2021. In spite of all difficulties, all the students were very well guided by their Professors in selecting the feasible research topic and completing project in stipulated time. Hence nearly 50% project work is from Dry lab methods and remaining is Wet lab based.

This year, total 09 Mini-research projects were received from various departments, viz. Biochemistry, Botany, Chemistry, Human Science, Library and Zoology. Some of the projects were presented in an International Conference and Intercollegiate competition.

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Projects Done Under Research Scholar Programme
Academic Year 2020-2021

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