Vidya Vikas Education Society's
VIKAS COLLEGE OF ARTS, SCIENCE & COMMERCE
Affiliated to University of Mumbai
ISO 9001:2015 CERTIFIED

Department of Biotechnology

TYBSc BIOTECHNOLOGY

Project Dissertation Report from A.Y. 2018-19 to 2022-23

Table Contents

Contents

1) Project Dissertation Report of A.Y. 2018-19

VIDYA VIKAS EDUCATION SOCIETY'S
VIKAS COLLEGE OF ARTS, SCIENCE & COMMERCE

DEPARTMENT OF BIOTECHNOLOGY

PROJECT DISSERTATION REPORT A.Y. 2018-19

UNDERGRADUATE COURSE

A] Programme Name : B.Sc. (Biotechnology) [T.Y.B.Sc.]

B] Programme Code :1S00166

C] Semester : VI

D] Name of the Course that include experiential learning through project : Practicals of Pharmacology and Neurochemistry Environmental Biotechnology (50 Marks) + Project Work (50 Marks) (Total 100 Marks)

E] Course Code :USBTP601+P602

F] Project Dissertation Objectives :

1. To develop independent research skill, project designing and writing research paper/ review skill.
2. To prepare the learners to adapt to the research environment and understand how projects are executed in a research laboratory. It will also enable learners to learn practical aspects of research and train learners in the art of analysis and thesis writing
3. To make learners learn major instrumentation.
4. To make learners learn major technique/s required in the field of interest
5. To learn the application of information techniquesBioinformatics and statistical techniques Biostatistics for selected study problem.

G] Outcomes of the Project work :

1. To understand the importance of research methodology concepts and to put them in practice while working on dissertation projects.
2. To acquire the technical writing skills and presentation skills apart from practically utilizing all aspects of research methodology that theyhad learn earlier.
3. To be able to integrate all aspects of the research project into a dissertation of print form as can be evaluated by internal and externalexperts
4. To be able to handle the major instruments.

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5. To utilize bioinformatics tools and databases for retrieving, analyzing, understanding and managing biological data and applications of biostatistical applications and tools.

H] List of Learners and Project Titles :

Sr. No.	Name of the Learner	Title of the Project
1	Bhoir Manish Rajendra	Pectin content in sweet lemon' and jelly preparation
2	Bhondave Pratik Dada	In vitro phytochemical analysis of *Aconitum heretrophyllum* against*E.coli* and *S. aureus*
3	Chavan Harshada Chandravadan	Lactobacillus isolation and its probiotis properties form idli batter
4	Gupta Priyanka Kishor Kumar	Fat Content In commercially Available edible oil
5	Hire Prerna Sanjay	Isolation characterize and identify air microflora from Vikas college surrounding
6	Hiwale Nitin Maruti	Chemical analysis on quality criteria of few commercial ayurvedic source
7	Ingle Pallavi Damodar	Estimation of acid content and isolation of microflora from batter
8	Kamble Shreya Shripal	Extraction and purification of gluten from wheat, maida and ragi flour
9	Kapal Puja Parusuram	Comparitive study of antibacterial activity on different detergents
10	Khan Nagma Mehabub	Isolation of lactose content from various milk sample
11	Pawar Ankita Shahurai	Isolation Characterization and Identification of bacteria from daily handling zones/Areas/Surface
12	Pawar Snehal Sunil	Preparation and characterization of soap from coconut oil
13	Prajapati Jyoti Jitendra	Comparative study of analysis of waste water effluent
14	Sangare Vandana Hemant	Phytochemical analysis of medicinally important plants
15	Sawant Tejasvi Ashok	Estimation of phytic acid content in food
16	Shitole Malhar Hemant	Physical and chemical characteristics of creek soil
17	Tiwari Suchita Rakesh	Quantitative estimation of total sugar and vitamin c content in different fruits and vegetables juice sample
18	Yendhe Hrishikesh Vilas	Extraction of carotenoids from fruits and vegetables
19	Zingade Anushree Satish	Extraction and purification of protein (gluten) from food samples (flours)
20	Nivalkar Priyanka Ramesh	Determination of soft drinks adulterants
21	Tandel Ketakee Suresh	To determine the microbiological quality of drinking water from common water drinking station by COD & MPN tests
22	Gujare Lalita Laxman	Estimation of phytic acid content in food
23	Jha Kirtikumari Rabindra	Extraction and Comparative Analysis of Caffeine in Beverages
24	Torne Pradnya Madhukar	Fat Content in Commercially Available Edible Oils
25	Tiwari Shikshadevi Ashok Kumar	Extraction and estimation of protein content in vegan seeds

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26	Jagdale Madhuri Mahadev	Analysis of different branded Milk
27	Pachangane Pawan Chandrakant	Isolation of lactobacillus and its probiotic properties form idli batter
28	Chandanshive Sayali Ashok	Comparative study of antibacterial activity of different toothpastes
29	Mojar Akanksha Bapurao	Comparative study of antimicrobial activity against different Hand sanitizer
30	Saroj Vidyamani Manikchand	Comparative study of antimicrobial activity in different soap
31	Londhe Abhijit Bapu	Comparative study of food adulterants of daily consuming milk products.
32	Giri Sanjo Kumari Rammurti	Analysis of citric acid in soft drink and commercial fruit juice
33	More Jayshree Deepak	Isolation, characterization and identification of air microflorain college campus
34	Jadhav Simran Sanjay	Phytochemical Screening and Antimicrobial Activity of Aromatic Plants
35	Ziman Prashant Prakash	Efficacy of compost soil on *Vigna mungo* plant through phytochemical test and protein estimation
36	Bhalerao Poonam Hanumant	Detection of Antimicrobial Activity of Ethanolic and Aqueous Extract Of Eucalyptus Leaves
37	Shaikh Rameez Ahamed	Comparative analysis of gluten content in packed wheat flour.

I] Duration of the Project work (As per precribed by the University) : 1-2 Months

J] Evaluation Pattern prescribed by the University :

1. Students would undertake a project for 1-2 months during the Semester VI
2. The project should include either of the following:
   i) One/ more major instrumentation OR
   ii) One / more major technique/s required in the field of interest OR
   iii) Bioinformatics OR
   iv) Biostatistics
3. The total Marks for evaluation would be 50.
4. The project would be the part of Practical Examination conducted by the University of Mumbai at Semester VI.
5. Assessment of the project should be during Practical Examination at Semester VI.

Out of Total marks of 50, Assessment for 25 Marks to be done by the Internal Examiner from Department and Assessment of remaining 25 Marks to be done by the External Examiner during Practical Examination.

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6. Total Marks assigned to the learner out of 50 as mentioned in Point No. 5 to be included in the overall total marks of 200 at Semester VI University Practical Examination.

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2) Project Dissertation Report of A.Y. 2019-20

VIDYA VIKAS EDUCATION SOCIETY'S
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DEPARTMENT OF BIOTECHNOLOGY

PROJECT DISSERTATION REPORT A.Y. 2019-20

UNDERGRADUATE COURSE

A] Programme Name : B.Sc. (Biotechnology) [T.Y.B.Sc.]

B] Programme Code :1S00166

C] Semester : VI

D] Name of the Course that include experiential learning through project : Practicals of Pharmacology and Neurochemistry Environmental Biotechnology (50 Marks) + Project Work (50 Marks) (Total 100 Marks)

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5. To utilize bioinformatics tools and databases for retrieving, analyzing, understanding and managing biological data and applications of biostatistical applications and tools.

H] List of Learners and Project Titles :

Sr. No.	Name of the Learner	Title of the Project
1	Pavan Anil Mandlik	Isolation,Identification and Characterization of Heavy Metal Resistant Bacteria From Industrial Affected Soil in Central India.
2	Harshada Sanjay Nikam	Antimicrobial activity and biochemical characterization in soil bacteria
3	Ashwini Pandurang More	Identification and Isolation of Actinomycetes
4	Manali Kashinath Wali	Antimicrobial Activity of Herbs(mint Tulsa leaves) and Spices (cloves blackpepper, cinnamon)on Staphylococcus aureus
5	Pooja Manoj Patil	Estimation of proteins in different fruit samples.(Grapes , orange, banana)
6	Sonali Suresh Mumbaikar	Morphological - Physiological diversity of root nodules Rhizobia from methi plant
7	Vinay Ravindra Gadekar	Isolation and Detection of DNA from Kiwi fruit using PCR and GEL electrophoresis
8	Kumar Chandrakant Sawant	Estimation Of Adulteration In Daily Consumables
9	Snehal Sanjay Salvi	Checking the antimicrobial properties of neem and basil leaves.
10	Desai Pushpalata Ranjit	Chemical analysis on quality criteria of few commercial and ayurvedic soaps
11	Ashwini Dilip Darekar	Determination of caffeine in energy drink by using spectroscopy method
12	Neha Lambture	Lactobacillus : isolation and its probiotic properties
13	Rushikesh Mansing Chavan	Determination of xenobiotic substance in dumping ground soil by physical method
14	Sonali Vinod Gotpagar	Extraction and separation of protein from alovera and zingiber officinale
15	Pratiksha Pandurang Pawar	Identification, Biochemical characteristics and antibiotic test of S.aureus from soil sample
16	Pratibha Sonkamble	Ascorbic acid Orange titration method
17	Sejal Vilas Salve	To check the microbial activity of flavoured milk and raw milk by MBRT and RRT and counts
18	Sulbha Rakesh Utekar	Extraction and purification of carotenoids from vegetables
19	Kunal Rajkumar Yadav	Antimicrobial susceptibility and effectiveness of commercially available hand sanitizers

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20	Reshma Prakash Gaikwad	Comparative Study Of Antibacterial Activity Of *Salvodora Persica* (Miswak) And *Azadirachta Indica* (Neem)
21	Samiksha Ankush Ghag	"Green Synthesis Of Silver Nanoparticles From *Ocimum Tenuiflorum*(Tulsi) and *Punica Granatum*(Pomegranate) And Its Applications"
22	Kalpesh Ashok Patil	Antimicrobial activity of *Trachyspermum ammi*
23	Vishal vasant kamble	Extraction and characterization of DNA of Tomato and Amplification using PCR technique
24	Pranaleeka nagrale	Isolation and characterization of rhizobium species from mimosa plant
25	Shraddha Kompelli	Isolation of lactobacillus from Idli batter & Its health benefits
26	Vrushali Gaikwad	Antibacterial efficiency of different hand wash sample from different cultures.
27	Priti Indrabahadur Vishwakarma	Extraction, Estimation and Separation of chlorophyll from medicinal plant
28	Tejaswini Tulshiram Turukmare	The study on "detection of food adulterants in chilli powder, turmeric powder and coriander powder using physical and chemical methods.
29	Rasika Baliram Sawant	Extraction of Vitamin C from the Fruit Sample (Orange)
30	Trupti Dharamraj Yadav	A study of Antimicrobial activity of few medicinal herbs.
31	Neeta om prakash thorat	To check the anti microbial properties of ginger and mint
32	Anjali Chandramohan Thakur	To check the antimicrobial properties of garlic
33	Sonali Prakash hule	Extraction of DNA from broccoli and estimation by rt pcr method
34	Shruti Atmaram Suryaji	The efficacy of antiseptic used in laboratory against bacteria
35	Mayur Ashok Lande	Solation,Identification and Characterization of Heavy Metal Resistant Bacteria From Industrial Affected Soil in Central India.
36	Hritik Bajirao Pawar	To analyze the microbiological quality of different food vendors water samples.
37	Siddhesh Chandrakant Rahate	Analytical platform for studying the chemical and physical properties of biofilm
38	Tejal Rajendra Pansare	Efficacy of prepared compost on zea mays
39	Khemraj fhumatiya	Casien of milk
40	Mohammad nadeem abdul samad khan	Extraction and identification of DNA from fruit source and its amplification
41	Neha prafulla mukunde	Radical scavenging activity of herbal plants

H] Duration of the Project work (As per precribed by the University) : 1-2 Months

J] Evaluation Pattern prescribed by the University :

1. Students would undertake a project for 1-2 months during the Semester VI

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2. The project should include either of the following:
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   iii) Bioinformatics OR
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3. The total Marks for evaluation would be 50.
4. The project would be the part of Practical Examination conducted by the University of Mumbai at Semester VI.
5. Assessment of the project should be during Practical Examination at Semester VI. Out of Total marks of 50, Assessment for 25 Marks to be done by the Internal Examiner from Department and Assessment of remaining 25 Marks to be done by the External Examiner during Practical Examination.
6. Total Marks assigned to the learner out of 50 as mentioned in Point No. 5 to be included in the overall total marks of 200 at Semester VI University Practical Examination.

Head, Dept. of Biotechnology

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3) Project Dissertation Report of A.Y. 2020-21

VIDYA VIKAS EDUCATION SOCIETY'S
VIKAS COLLEGE OF ARTS, SCIENCE & COMMERCE

DEPARTMENT OF BIOTECHNOLOGY

PROJECT DISSERTATION REPORT A.Y. 2020-21

UNDERGRADUATE COURSE

A] Programme Name : B.Sc. (Biotechnology) [T.Y.B.Sc.]

B] Programme Code :1S00166

C] Semester : VI

D] Name of the Course that include experiential learning through project : Practicals of Pharmacology and Neurochemistry Environmental Biotechnology (50 Marks) + Project Work (50 Marks) (Total 100 Marks)

E] Course Code :USBTP601+P602

F] Project Dissertation Objectives :

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5. To utilize bioinformatics tools and databases for retrieving, analyzing, understanding and managing biological data and applications of biostatistical applications and tools.

H] List of Learners and Project Titles :

Sr. No.	Name of the Learner	Title of the Project
1	Aishwarya Ganesh Ahire	Screening of Biosurfactant producing yeast and bacteria from petroleum contaminated soil
2	Mayur Bapu Ahire	Microbial dynamic and maturity of pulp Industrial bio sludge compost
3	Aparna Prasad	Microbial flora of pulses processing industrial environment
4	Mansi Ramesh Avhad	In vitro sensitivity of pathogenic yeast to miconazole
5	Akanksha Vijay Bahirat	Methods of inoculation of different microbes in selective media
6	Monika ravba Bhangare	Isolation of antibiotic susceptibility of xanthomonas Comp estrus
7	Saloni Prakash Bhosale	Preparation and efficacy testing of bio fertilizer
8	Megha Yuvraj Borge	Antimicrobial activity of antibiotics against drug resistance staphylococcus aureus
9	Dnyaneshwar Hanumant Chakane	Isolation and characterization of actinomycetes from marine sediments.
10	Sharad Baliram Chandugade	Effects of citric acid on pathogenic microorganisms
11	Tanvi Pramod Chaulkar	Effects of temperature on phosphate solublization by microorganisms isolated from saline soil
12	Akanksha Mangesh Chavan.	Study of Biosurfactant production using bacterial isolates from soil sample of oil mill area
13	Abhishek Suresh Dawkhar	Antimicrobial activity of some Novel Hetero cyclic compounds
14	Vishakha Rajaram Devkant	Isolation and characterization of fungal strain
15	Kajal Sunil Dode	Microbial evaluation of wounds and there susceptibility to antibiotics and essential oils
16	Pawan Arvind Elle	Two stage aerobic-anaerobic treatment of textile industry waste water.
17	Radhika Ramesh Gaikwad	Biomass production and characterization of pathogenic fusarium species
18	Harshada Suryakant Ghadge	Studies on production of extra cellular cellulolitic enzymes by streptomyces spp.
19	Anchal surendra Gupta	DNA isolation from Human Blood (Fresh / Stored / Frozen)
20	Disha Dilip Hundare	Biochemical aspects of salt tolerance in plants.
21	Rutuja Dhruv Jadhav	Heavy metal tolerance in Aspergillus sp. obtained from Cole mines
22	Rinki Sheshnath Kanojiya	Biochemical aspects of water use efficiency in plants
23	Aftaab Sameer Khan	Antibiotic sensitivity of floxacin against clinical isolates of seudomonas Aeruginosa
24	Rehana Kamruddin Khan	Antimicrobial activity of the most commonly consuming vegetables.

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25	Rutuja Siddharth Kharat	Effects of nitrogen sources on crop yield
26	Jeet Tanhaji Korade	Isolation and identification of agrobacterium species
27	Shreya Chandrakant Kulaskar	Antibacterial Activity of plants.
28	Arti Sandesh Londhe	Isolation and characterization of novel short chain fatty acids producing microorganisms from human anaerobic ecosystem
29	Lina Suryakant Nalawade	The impact of various temperature ranges on enzyme activity
30	Nisha Ananda Nikam	Effects of sulfide and metals on the microbial composition of anaerobic sludge
31	Apurva Shailendra Padwal	The role of sewage sources and disposal points in contributing to the survival of pathogens
32	Sapna Ramkeval Pathak	The efficacy of using the indicator bacteria strains
33	Nafisa Mohammad Yamin Qureshi	Biochemical analysis of DNA synthesis
34	Sayali Santosh Raut	Physico-chemical properties of arrowroots
35	Ishrat Shah Azam Ali	Evaluation of the fungal pathogens associated with tomatoes spoilage
36	Nisha Hansraj Sharma	Effects of sample preservation and DNA extraction on enumeration of antibiotic resistance genes in wastewater
37	Ritik Rajvendra Singh	Occurrence and abundance of antibiotic resistance genes in agricultural soil receiving dairy manure
38	Rutuja Rajesh Tambewagh	Estimation of protein from junk food
39	Lomai Narendra Thule	TLC separation of sugars from mango pulp cold drinks
40	Disha Deepak Todankar	Determination of Iodine number of a fat from sample
41	Shalu Ramchandra Yadav	The impact of herbal preparations on treating skin diseases
42	Swapnali Ananda Yadav	Evaluation of the alkaloidal isolates of a plant
43	Ankit Anant Shigwan	Detection of Mycobacterium Ulcerans on the human skin
44	Ganesh Ramadas Surwade.	Use of genetically engineered plants for extracting and accumulating precious or toxic metals
45	Sagar Pandurang Mandavkar	Antibacterial Activity of Achyranthes aspera Linn roots.
46	Bhagyashri Tanaji Kadam	Biogenesis of major flower pigments

I] Duration of the Project work (As per precribed by the University) : 1-2 Months

J] Evaluation Pattern prescribed by the University :

1. Students would undertake a project for 1-2 months during the Semester VI
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iv) Biostatistics

3. The total Marks for evaluation would be 50.

4. The project would be the part of Practical Examination conducted by the University of Mumbai at Semester VI.

5. Assessment of the project should be during Practical Examination at Semester VI. Out of Total marks of 50, Assessment for 25 Marks to be done by the Internal Examiner from Department and Assessment of remaining 25 Marks to be done by the External Examiner during Practical Examination.

6. Total Marks assigned to the learner out of 50 as mentioned in Point No. 5 to be included in the overall total marks of 200 at Semester VI University Practical Examination.

Head, Dept. of Biotechnology

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4) Project Dissertation Report of A.Y. 2021-22

VIDYA VIKAS EDUCATION SOCIETY'S
VIKAS COLLEGE OF ARTS, SCIENCE & COMMERCE

DEPARTMENT OF BIOTECHNOLOGY

PROJECT DISSERTATION REPORT A.Y. 2021-22

UNDERGRADUATE COURSE

A] Programme Name : B.Sc. (Biotechnology) [T.Y.B.Sc.]

B] Programme Code :1S00166

C] Semester : VI

D] Name of the Course that include experiential learning through project : Practicals of Pharmacology and Neurochemistry Environmental Biotechnology (50 Marks) + Project Work (50 Marks) (Total 100 Marks)

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5. To utilize bioinformatics tools and databases for retrieving, analyzing, understanding and managing biological data and applications of biostatistical applications and tools.

H] List of Learners and Project Titles :

Sr. No.	Name of the Learner	Title of the Project
1	Dhanraj Yashwant Bhoir	Comparative Analysis of Protein Content in Selected Commercially Available Protein Food Supplements
2	Ashwini Parshuram Bhoy	Comparative Efficacy Evaluation of Disinfectants Routinely Used at Home Against Selected Fungal Species & Bacteria
3	Meghna Sanjay Shinde	Efficacy of prepared composed on the growth parameters of aconitum heterophyllum
4	Rutika Ganpat Dhembare	Chemically analysis of commercially available packaged mineral water
5	Radha Gahininath Khandagale	To Study Production of Biogas from Industrial Biogas Plant
6	Rutuja Mansing Chavan	Physico- chemical analysis of selected bath soaps
7	Manasi Ajinkya Walkar	To study recombinant DNA techniques
8	Abhishek Ratan Nikam	Clean and safe drinking water sustainable in urban areas
9	Sakshi Rajesh Jadhav	Comparative assessment of antimicrobial efficacy of different hand sanitizer
10	Vaishnavi Chandrakant Kale	A Study on antimicrobial activity of few Medicinal herbs
11	Surabhi Nandalal Sonkar	Bacterial effects of different spices on enteropathogens
12	Gayatri Nilesh Acharekar	Comparative analysis of sugar content in commercially available green tea
13	Akshit rajkumar Sharma	Study of microbial enzymes used in textile industry
14	Akshit rajkumar Sharma	Study of microbial enzymes used in textile industry
15	Suyash Rajaram Morajkar	Isolation of microbial enzyme Lipase and its study in Oil and Pharmaceutical industry
16	Jatin Ajay Parab	Achieving Drinking Water and Sanitation related Targets in Mumbai Sub-urban
17	Isha Dinesh Patole	tyrosine and alpha amylase application in industry
18	Sushant Dattatray Shete	Effect Of Different Sanitizer On An Antimicrobial Activity
19	Atul Navneet Jadhav	Extraction of Carotenoids from Vegetables
20	Snehal Ganesh Shinde	In-vitro Phytochemical Analysis of Plants Against Multidrug Resistant Bacteria
21	Sukanya Arun Gole	Comparative study of sterilization efficiency using physical and chemical sterilization techniques
22	Momin Zoya Afzal Ahmad.	Production of Ethanol fuel from Organic and Food Wastes.
23	Bhakti Bhagwan Gandal	Microbiological analysis of raw and pasteurized milk sample
24	Sejal Bharat Gaikwad	Stem Cell Technology
25	Supriya Sawant Thorat	Study of different parameters on effluent water treatment

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26	Kusum Vishvanath Waghmare	Amplification of DNA for detection of viruses by PCR
27	Omkar gulab Nimbalkar	Plastic eating bacteria ideonella sakaiensis.
28	Manasi Chandrakant Dhuri	Detecting the Adulterartion of Milk Sample Adulterate with Detergent ,Fat ,Urea diluted with water
29	Abhishek Amritlal Vishwakarma	Identification and Characterization of Anti-microbial Activity of Gram Negative Microorganisms Isolated from Different Soil Samples
30	Prajyoti Pramod Gawde	Comparison of two methods for the determination of Vitamin C in some fruits

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5) Project Dissertation Report of A.Y. 2022-23

VIDYA VIKAS EDUCATION SOCIETY'S
VIKAS COLLEGE OF ARTS, SCIENCE & COMMERCE

DEPARTMENT OF BIOTECHNOLOGY

PROJECT DISSERTATION REPORT A.Y. 2022-23

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5. To utilize bioinformatics tools and databases for retrieving, analyzing, understanding and managing biological data and applications of biostatistical applications and tools.

H] List of Learners and Project Titles :

Sr. No.	Name of the Learner	Title of the Project
1	Manasi Anil Betkar	Plant Pigments Separation from Leafy Vegetables using Paper Chromatography Technique
2	Dhanashri Balkrishna Choughule	Study of chemical parameters of non-branded ghee from local shops
3	Pradnya Dnyaneshwar Dhokare	Determination of gluten content in wheat flour
4	Raj Kailas Dighe	Nutritional value of shells of some selected dry fruits
5	Aditya Sharad Gautam	Comparative study of nutritional parameters of potato chips of local market with branded chips
6	Pradeep Sampat Jadhav	Physical and Chemical Analysis of branded bath soaps from various categories
7	Sushmita Sunil jagdale	Impact on soil properties by the use of waste for irrigation
8	Ayush Padmakar Kamble	Antibacterial evaluation and Photochemical analysis of Medicago sativum L. against some bacterial pathogens
9	Faizan Ahsan Khan	Assessment of extra cellular enzymes of isolated from mangrove rhizosphere different places of Mumbai
10	Disha Sanjay Killekar	Toluene biodegradation by thermophilic isolates
11	Tejaswini Kishor Maskar	Synthesis of silver Nanoparticles using Azadirachta indica (Neem) for Antibacterial applications.
12	Reshma Nadar	Amylase, Cellulose And Lipase Production by two Potential Isolates From Mangrove Soil.
13	Ritika Sabhajeet Pal	Physicochemical Characteristics Of Local Varieties Of Tamarind (*Tamarindus indica* L)
14	Shahrukh Ramzan Pathan	Synthesis , characterization and comparison of biodegradable plastic using corn and potato starch
15	Bhairavi Deepak Rane	Phytochemical analysis and antioxidant activity of tulsi leaves
16	Pratik Vilas Sathe	Study of essential oil on biofilm forming oral micro flora
17	Yojana Dilip Sawant	Screening , Purification, Charecterization Cellulase From Cellulase Producing Bacteria in Molasses
18	Akash Rampravesh Sharma	Antibacterial properties of garlic extract
19	Pandit Adarsh Udaynath Sharma	Isolation of rhizosphere bacteria from the soil sample
20	Vishal Ramesh Sharma	Water Analysis
21	Vaishnavi Madhukar Shelke	Antimicrobial activity of plants
22	Shruti Sunil Shinde	Isolation of fungi

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23	Jay Hemant Shitole	Effect of carrot, Honey, Garlic and coriander on *S.auerus* and *E.coli*
24	Manju Bijendra Singh	Analysis of ph of alcohol- based and non-alcohol-based hand sanitizers .
25	Preeti Rajendra Singh	Isolation and extraction of extra cellular enzymes from compost
26	Gayatri Dinesh Sonawane	Antimicrobial resistance of non pathogenic organisms
27	Priyanka Sunil Sonawane	Impact of prepared compost on the growth of Sorghum millet
28	Saeeli Rajkumar Tate	Efficacy of compost on stimulating growth of pearl millet
29	Shivam Dayashankar Tiwari	Isolation of heavy metal (lead) resistant bacteria from polluted sites
30	Tanisha Gautam Waghmare	Identification and Isolation of heavy metal (zinc) resistant bacteria
31	Pooja Santosh Yadav	To isolate bacteria form mimosa plant
32	Princi Prithviraj Jaiswar	Isolation and characterization of antibiotic producing bacteria from soil sample.
33	Eesha Pranav Hadkar	Comparative analysis of physical properties of water of ocean and well
34	Khan Saima Akhlaque	Classification and isolation of aerial microbes
35	Pallavi Deepak Awaghade	Comparative Study of Lake and River water by analysis of chemical properties.
36	Vandisha Dharmendra Singh	Antibiotic sensitivity test on *Salvadora Perssica* against e coli and s aureus by ditch and cup method
37	Meghana Balkrishna Pawar	Identification of microorganisms from various devices and equipments

I] Duration of the Project work (As per precribed by the University) : 1-2 Months

J] Evaluation Pattern prescribed by the University :

1. Students would undertake a project for 1-2 months during the Semester VI
2. The project should include either of the following:
   i) One/ more major instrumentation OR
   ii) One / more major technique/s required in the field of interest OR
   iii) Bioinformatics OR
   iv) Biostatistics
3. The total Marks for evaluation would be 50.
4. The project would be the part of Practical Examination conducted by the University of Mumbai at Semester VI.
5. Assessment of the project should be during Practical Examination at Semester VI.

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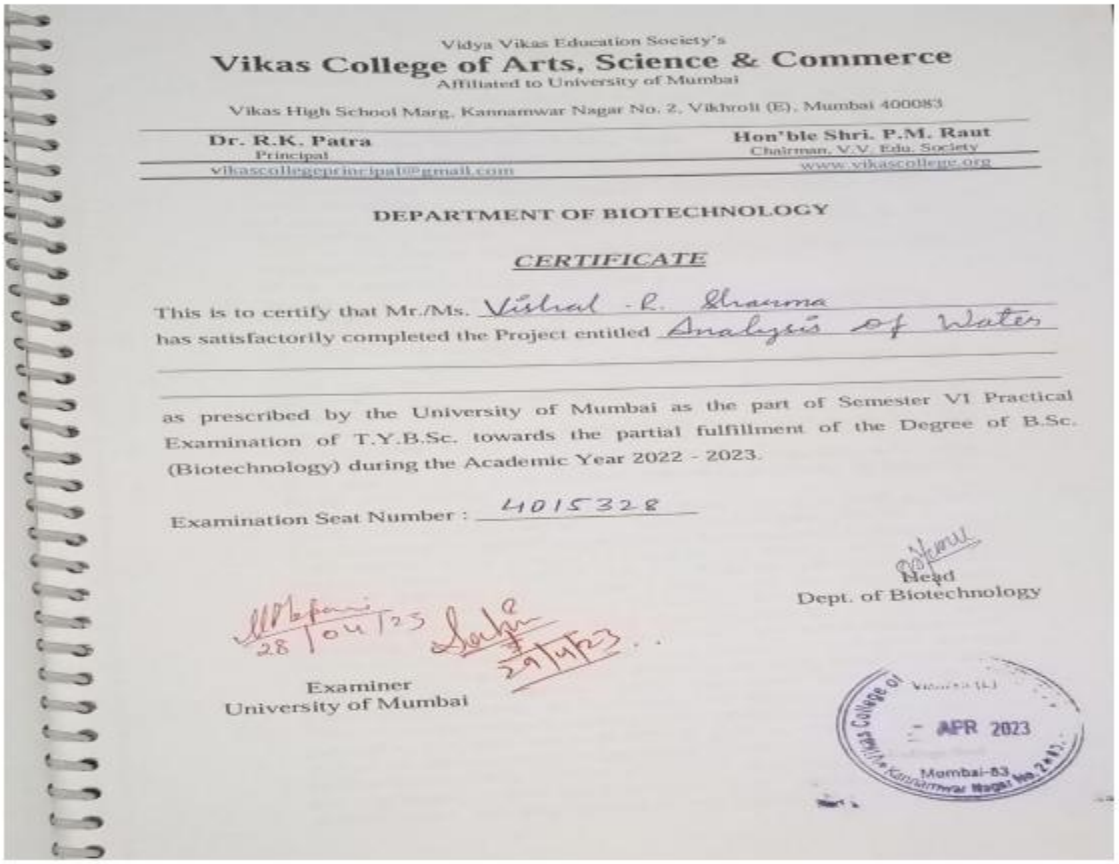
Out of Total marks of 50, Assessment for 25 Marks to be done by the Internal Examiner from Department and Assessment of remaining 25 Marks to be done by the External Examiner during Practical Examination.

6. Total Marks assigned to the learner out of 50 as mentioned in Point No. 5 to be included in the overall total marks of 200 at Semester VI University Practical Examination.

K) Project Certificates



Vidya Vikas Education Society's
Vikas College of Arts, Science & Commerce
Affiliated to University of Mumbai
Vikas High School Marg, Kannamwar Nagar No. 2, Vikhroli (E), Mumbai 400083

Dr. R.K. Patra
Principal
vikascollegeprincipal@gmail.com

Hon'ble Shri. P.M. Raut
Chairman, V.V. Edu. Society
www.vikascollege.org

DEPARTMENT OF BIOTECHNOLOGY

CERTIFICATE

This is to certify that Mr./Ms. Vishal R. Sharma
has satisfactorily completed the Project entitled Analysis of Water

as prescribed by the University of Mumbai as the part of Semester VI Practical Examination of T.Y.B.Sc. towards the partial fulfillment of the Degree of B.Sc. (Biotechnology) during the Academic Year 2022 - 2023.

Examination Seat Number : 4015328

28/04/23
Examiner
University of Mumbai

29/4/23
Head
Dept. of Biotechnology

APR 2023
Mumbai-83

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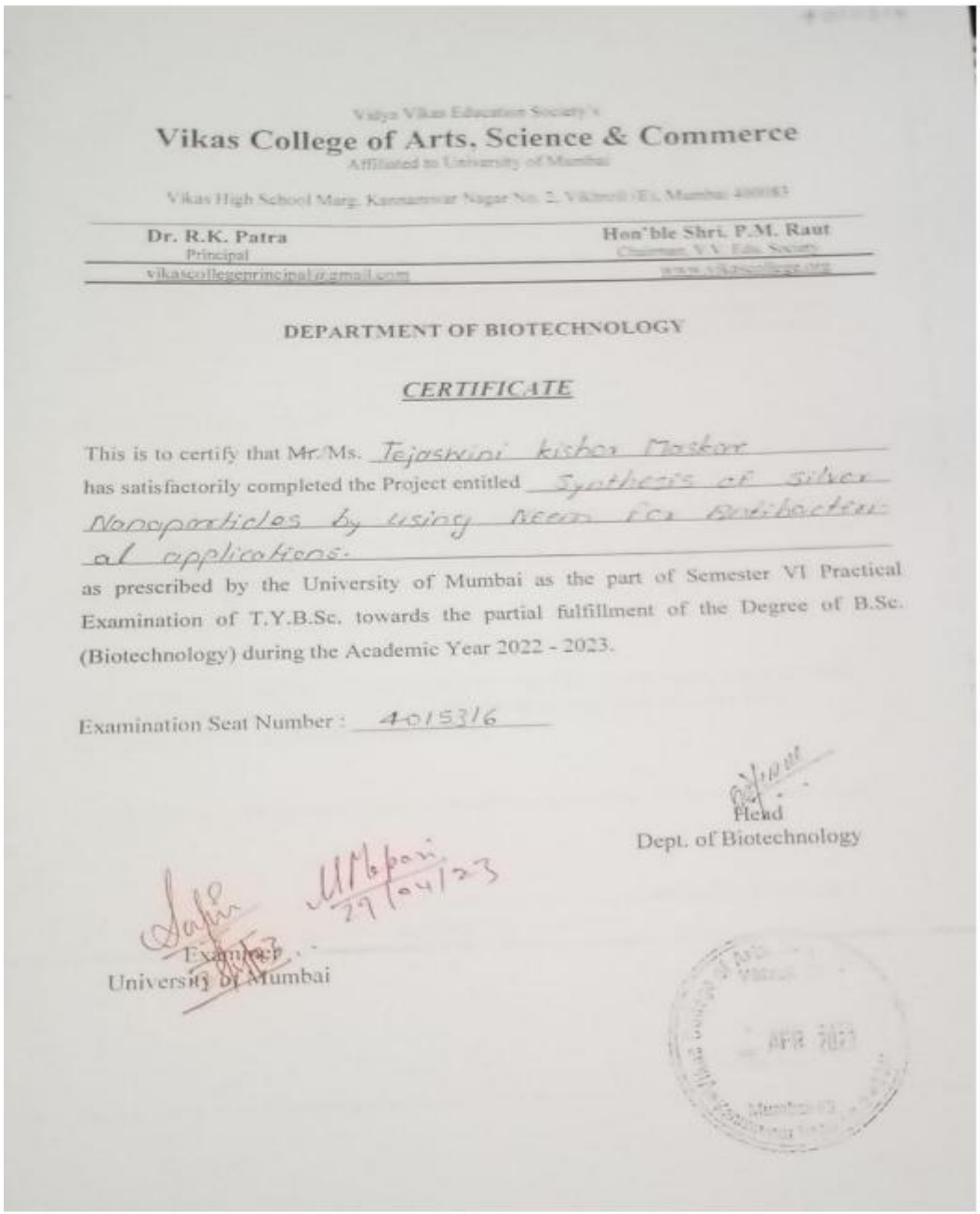

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DEPARTMENT OF BIOTECHNOLOGY

CERTIFICATE

This is to certify that Mr./Ms. Tejaswini kishor Mastar has satisfactorily completed the Project entitled Synthesis of silver Nanoparticles by using Neem for Antibacterial applications. as prescribed by the University of Mumbai as the part of Semester VI Practical Examination of T.Y.B.Sc. towards the partial fulfillment of the Degree of B.Sc. (Biotechnology) during the Academic Year 2022 - 2023.

Examination Seat Number : 4015316

Head
Dept. of Biotechnology

Examiner
University of Mumbai

29/04/23

Head, Dept. of Biotechnology

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