



# ST. WILFRED'S COLLEGE OF ARTS, COMMERCE & SCIENCE

*(Affiliated to Mumbai University)*

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206  
Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail: stwilfred.acs@gmail.com • website : www.stwilfreds.org

## Value Added Course “Environmental Chemistry”

14 December, 2020 to 1 February, 2021

Coordinated By- Department of Science

Faculty Name- Dr. Nidhi Mathur



**St. Wilfred's College of Arts, Commerce & Science**



*Anishta*  
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Ref. No. SWACS/PAC/2020/02

Date: 29/10/2020

## NOTICE

It is to inform all the members of Program Academic Advisory Cell (PAAC) that there will be a meeting on 30/10/2020 at 12.00 PM in Seminar Room to discuss about the various academic activities for the upcoming session. All concerned are requested to attend the meeting on time and be prepared to contribute to the discussion.

*Anisatta*  
**Principal**



*Anisatta*  
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## Meeting Minutes

Date: 30/10/2020

Time: 12:00 PM

Place: Seminar Room

### Attendees:

S.No.	Name	Designation	Signature
1.	Dr. Anirudha Rishi	Principal	
2.	Dr. Nausheen baig	Associate Professor	
3.	Dr. Meenakshi	Assistant professor	
4.	Dr. Savita Agrawal	Professor	
5.	Dr. Ketan Patil	Assistant professor	
6.	Mr. Vijay Saharam Singh	Assistant professor	

### Agenda:

1. To organize Alumni, meet and farewell for the final year students.
2. To conduct student exit survey.
3. To discuss important questions for examination.
4. Soft skills training for placement and internship.
5. Analysis of slow learner and their mentoring.
6. To discuss about the conduction of practical examination.
7. Submission of dissertation and projects by students.
8. To organize seminars by final year students.
9. To conduct remedial classes for weak learners on difficult topics on Saturdays.
10. To organize science exhibition, Panache, departmental quizzes, Industrial trips, surveys etc.
11. To organize Value added courses for Semester 2<sup>nd</sup> Students

### Minutes:

The meeting was called to order by Principal at 12 PM in Seminar Room. The attendees were welcomed, and the agenda for the meeting was presented.

1. **To organize Alumni, meet and farewell for the final year students:** The Principal proposed organizing an Alumni meet to facilitate interactions between current students and successful graduates. The event will serve as an opportunity for networking, mentorship, and sharing experiences. Additionally, a farewell program will be arranged to bid farewell to the final year students and celebrate their achievements. The specific dates and details of these events will be decided in consultation with the concerned faculty members and student representatives.



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2. **To conduct student exit survey:** The Principal suggested conducting a student exit survey to gather feedback from graduating students. The survey will focus on their overall college experience, including academic programs, infrastructure, faculty support, extracurricular activities, and placement opportunities. The feedback received will help in assessing the college's strengths and areas for improvement.
3. **To discuss important questions for examination:** The Principal highlighted the need to discuss and finalize the important questions for the upcoming University examination. Faculty members were encouraged to collaborate and share their expertise in determining the key topics and questions that students should focus on during their exam preparation. This will ensure that students are well-prepared for the examination.
4. **Soft skills training for placement and internship:** To enhance students' employability and prepare them for the professional world, the Principal proposed conducting soft skills training programs. These programs will focus on improving students' Environmental Chemistry, teamwork abilities, time management, and overall personality development.
5. The training will specifically target placement and internship opportunities, equipping students with the necessary skills to succeed in their future careers.
6. **Analysis of slow learners and their mentoring:** The Principal emphasized the importance of identifying and addressing the needs of slow learners. It was suggested to analyze the performance and progress of such students and provide them with personalized mentoring and support. Faculty members were requested to closely monitor the academic progress of slow learners and implement strategies to help them overcome their challenges.
7. **To discuss the conduction of practical examination:** The Principal proposed a discussion on the conduction of practical examinations. The logistics, evaluation criteria, and assessment procedures for the practical exams will be determined and communicated to the faculty members. It was emphasized that the practical examinations should provide a fair and comprehensive assessment of students' practical knowledge and skills.
8. **Submission of dissertations and projects by students:** The Principal reminded the faculty members about the submission deadline for dissertations and projects by the students. Clear instructions and guidelines regarding the format, content, and submission process should be provided to the students to ensure a smooth submission process.
9. **To organize seminars by final year students:** To showcase the research and academic achievements of the final year students, the Principal suggested organizing seminars where they can present their findings and share their knowledge with the college community. This will provide a platform for intellectual exchange and foster a culture of academic engagement.
10. **To conduct remedial classes for weak learners on difficult topics on Saturdays:** The Principal recommended organizing remedial classes on Saturdays to provide additional support to weak learners. These classes will focus on addressing difficult topics and



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concepts, helping students overcome their challenges and improve their understanding. Faculty members were encouraged to volunteer and contribute to these remedial classes.

**11. To organize science exhibition, Panache, departmental quizzes, industrial trips, surveys, etc.:** The Principal proposed organizing various extracurricular activities and events, such as science exhibitions, cultural events like Panache, departmental quizzes, industrial trips, and surveys. These activities will provide students with opportunities for practical learning, creative expression, and holistic development.

**12. To organize Value added courses for Semester 2<sup>nd</sup> Students**

The Principal elaborated on the importance of providing value-added courses to enhance the academic experience and skill set of students. Various suggestions were put forth regarding the types of value-added courses that could be beneficial for Semester 2<sup>nd</sup> students. Suggestions included courses related to Environmental Chemistry, coding, financial literacy, and career development.

**Action Items:**

1. The Principal will coordinate with faculty members and student representatives to finalize the dates and details of the Alumni meet and farewell program.
2. Faculty members will develop and conduct the student exit survey, ensuring comprehensive feedback is collected.
3. Faculty members will collaborate to finalize important questions for the upcoming UOR examination.
4. The administration will organize soft skills training programs, focusing on placement and internship opportunities.
5. Faculty members will identify slow learners, provide personalized mentoring, and monitor their progress.
6. Faculty members will discuss and plan the conduction of UOR practical examinations, ensuring fairness and thorough assessment.
7. The administration will remind students about the submission deadline for dissertations and projects, providing clear guidelines.
8. The administration will facilitate the organization of seminars by final year students, allowing them to showcase their research and knowledge.
9. Faculty members will schedule remedial classes for weak learners on Saturdays, focusing on difficult topics.
10. The administration will coordinate the organization of science exhibitions, Panache, departmental quizzes, industrial trips, surveys, and other extracurricular activities.
11. The Academic Committee will compile a list of potential value-added courses based on the suggestions provided during the meeting.

These action items will be followed up on in subsequent meetings to track progress and ensure the successful implementation of the proposed agendas.

**Closing:**

Principal expressed gratitude to the staff members for their active participation and valuable input during the meeting. It was emphasized that their collaboration and dedication are essential in implementing the discussed agendas successfully. The staff members were encouraged to further develop and refine these proposals and work collectively towards the holistic development of the students.



  
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The meeting concluded at 02.00 PM. The next meeting will be scheduled and communicated to the committee members accordingly.

*Anissha*  
**Principal**



*Anissha*  
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Date- 10/12/2020

## Notice

We are pleased to inform all the students that the Value Added Course (VAC)- **Environmental Chemistry** classes will commence from **December 14, 2020**. This course is designed to provide additional skills and knowledge beyond the regular curriculum, enhancing your learning experience and improving your career prospects.

### Details of the VAC Classes:

Start Date: **December 14, 2020**

Timings: 3:00 PM to 4:00 PM (Monday to Saturday)

Faculty Coordinator- Dr. Nidhi Mathur

CC-  
HOD of all departments

*Anisalla*  
**Principal**



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Date- 10/12/2020

## Circular

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## Value Added Course: Environmental Chemistry Program

### Expected Outcomes

Expected outcomes of Environmental Chemistry Program course include:

- Understanding of Environmental Systems: Students comprehend the interactions between chemical processes and the environment, including atmospheric, aquatic, and soil systems.
- Knowledge of Pollutants and Contaminants: Students identify sources, fate, and effects of pollutants such as heavy metals, pesticides, and industrial chemicals on environmental health.
- Proficiency in Analytical Techniques: Students develop skills in chemical analysis methods for monitoring and assessing environmental pollutants, including spectroscopy, chromatography, and mass spectrometry.
- Awareness of Global Environmental Issues: Students explore pressing environmental challenges such as air and water pollution, climate change, and ecosystem degradation, and examine their chemical implications.
- Application of Green Chemistry Principles: Students learn about sustainable practices and green chemistry solutions to minimize pollution, reduce waste, and promote environmental sustainability.
- Competence in Environmental Risk Assessment: Students assess the risks associated with chemical pollutants and contaminants, and propose strategies for mitigation and remediation.
- Understanding of Environmental Regulations: Students comprehend environmental laws, regulations, and policies governing chemical pollutants, and their roles in environmental protection and management.
- Collaboration and Communication Skills: Students engage in interdisciplinary collaboration and communicate effectively with stakeholders to address environmental challenges and advocate for sustainable solutions.
- Critical Thinking and Problem-Solving Abilities: Students analyze complex environmental problems, evaluate scientific evidence, and develop innovative solutions informed by environmental chemistry principles.
- Preparation for Environmental Careers: Students are prepared for careers in environmental chemistry, environmental consulting, regulatory agencies, research institutions, and other fields, contributing to the protection and preservation of the environment.



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## Value Added Course Environmental Chemistry Program COURSE OUTCOME

Subject	Environmental Chemistry
CO1	Students gain a deep understanding of chemical processes in the environment, equipping them to analyze and address complex environmental challenges with a solid scientific foundation.
CO2	Through laboratory work and field studies, students develop practical skills in chemical analysis, environmental monitoring, and pollution control, enhancing their employability in various environmental science and engineering fields.
CO3	Graduates of Environmental Chemistry programs are well-positioned to develop sustainable solutions to environmental problems, including pollution prevention, waste management, and resource conservation, contributing to a healthier and more sustainable planet.



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## Value Added Course Environmental Chemistry (14 December, 2020 to 1 February, 2021)

### Syllabus

Topic	Week Days
<ul style="list-style-type: none"><li>• Overview of environmental chemistry and its importance</li><li>• Basic principles of chemistry relevant to the environment</li><li>• Sources, transport, and fate of pollutants in the environment</li><li>• Environmental impact of human activities on air, water, and soil quality</li></ul>	Monday-Saturday
<ul style="list-style-type: none"><li>• Composition and structure of the Earth's atmosphere</li><li>• Chemical reactions and processes in the atmosphere, including air pollution formation and dispersion</li><li>• Major air pollutants: sources, effects, and regulation</li><li>• Climate change and greenhouse gas chemistry</li></ul>	Monday-Saturday
<ul style="list-style-type: none"><li>• Chemical properties of natural waters: pH, alkalinity, hardness, and dissolved oxygen</li><li>• Pollutants in water systems: nutrients, heavy metals, pesticides, and organic contaminants</li><li>• Water treatment processes and technologies</li><li>• Eutrophication, acidification, and other aquatic ecosystem impacts</li></ul>	Monday-Saturday
<ul style="list-style-type: none"><li>• Composition and properties of soil: pH, texture, and organic matter content</li><li>• Chemical processes in soils: ion exchange, adsorption, and mineral weathering</li><li>• Soil pollution: sources, fate, and remediation techniques</li><li>• Soil fertility and nutrient management</li></ul>	Monday-Saturday
<ul style="list-style-type: none"><li>• Analytical techniques for environmental monitoring and analysis: spectroscopy, chromatography, and mass spectrometry</li><li>• Sampling methods and quality assurance in environmental analysis</li><li>• Environmental risk assessment and management</li><li>• Case studies and applications of environmental chemistry principles</li></ul>	Monday-Saturday



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## Syllabus: Environmental Chemistry

### Unit 1: Introduction to Environmental Chemistry

- Overview of environmental chemistry and its importance
- Basic principles of chemistry relevant to the environment
- Sources, transport, and fate of pollutants in the environment
- Environmental impact of human activities on air, water, and soil quality

### Unit 2: Atmospheric Chemistry

- Composition and structure of the Earth's atmosphere
- Chemical reactions and processes in the atmosphere, including air pollution formation and dispersion
- Major air pollutants: sources, effects, and regulation
- Climate change and greenhouse gas chemistry

### Unit 3: Aquatic Chemistry

- Chemical properties of natural waters: pH, alkalinity, hardness, and dissolved oxygen
- Pollutants in water systems: nutrients, heavy metals, pesticides, and organic contaminants
- Water treatment processes and technologies
- Eutrophication, acidification, and other aquatic ecosystem impacts

### Unit 4: Soil Chemistry

- Composition and properties of soil: pH, texture, and organic matter content
- Chemical processes in soils: ion exchange, adsorption, and mineral weathering
- Soil pollution: sources, fate, and remediation techniques
- Soil fertility and nutrient management

### Unit 5: Environmental Analysis and Monitoring

- Analytical techniques for environmental monitoring and analysis: spectroscopy, chromatography, and mass spectrometry
- Sampling methods and quality assurance in environmental analysis
- Environmental risk assessment and management
- Case studies and applications of environmental chemistry principles



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## Time Table Environmental Chemistry

W.e.f.: 14/12/2020

Days	Subject	Time
Monday	Environmental Chemistry	03:00-04:00PM
Tuesday	Environmental Chemistry	03:00-04:00PM
Wednesday	Environmental Chemistry	03:00-04:00PM
Thursday	Environmental Chemistry	03:00-04:00PM
Friday	Environmental Chemistry	03:00-04:00PM
Saturday	Environmental Chemistry	03:00-04:00PM

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PRINCIPAL

Copy to:

- HOD's of all Departments



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## Lesson Plan Environmental Chemistry

Unit	Topic	Weekdays	Allotment
Unit-I	Overview of environmental chemistry and its importance Basic principles of chemistry relevant to the environment	Monday-Saturday	03:00-04:00PM
Unit-I	Sources, transport, and fate of pollutants in the environment Environmental impact of human activities on air, water, and soil quality	Monday-Saturday	03:00-04:00PM
Unit-II	Composition and structure of the Earth's atmosphere Chemical reactions and processes in the atmosphere, including air pollution formation and dispersion	Monday-Saturday	03:00-04:00PM
Unit-II	Major air pollutants: sources, effects, and regulation Climate change and greenhouse gas chemistry	Monday-Saturday	03:00-04:00PM
Unit-III	Chemical properties of natural waters: pH, alkalinity, hardness, and dissolved oxygen Pollutants in water systems: nutrients, heavy metals, pesticides, and organic contaminants	Monday-Saturday	03:00-04:00PM
Unit-III	Water treatment processes and technologies Eutrophication, acidification, and other aquatic ecosystem impacts	Monday-Saturday	03:00-04:00PM
Unit-IV	Composition and properties of soil: pH, texture, and organic matter content Chemical processes in soils: ion exchange, adsorption, and mineral weathering	Monday-Saturday	03:00-04:00PM
Unit-IV	Soil pollution: sources, fate, and remediation techniques Soil fertility and nutrient management	Monday-Saturday	03:00-04:00PM
Unit-V	Analytical techniques for environmental monitoring and analysis: spectroscopy, chromatography, and mass spectrometry Sampling methods and quality assurance in environmental analysis	Monday-Saturday	03:00-04:00PM
Unit-V	Environmental risk assessment and management Case studies and applications of environmental chemistry principles Crisis communication: strategies for managing communication during crises and emergencies	Monday-Saturday	03:00-04:00PM

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## Assessment: Environmental Chemistry Question Paper

### Instructions:

- Answer all questions.
  - Each question carries 10 marks.
1. What are the sources and environmental impacts of persistent organic pollutants (POPs)?
  2. How do atmospheric pollutants contribute to smog formation and acid rain, and what are their effects on ecosystems?
  3. What are the principles and applications of green chemistry in mitigating environmental pollution?
  4. How does the chemistry of pollutants in water bodies, such as heavy metals or pesticides, affect aquatic life and human health?
  5. What are some innovative approaches in environmental chemistry for sustainable waste management and recycling?



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## Result Analysis: Environmental Chemistry

S. No.	Class	Name	Q1 (10)	Q2 (10)	Q3 (10)	Q4 (10)	Q5 (10)
1	B.Sc.	Bhoajne Pravin Krishana	7	7	7	10	7
2	B.Sc.	Chavan Hina Dinesh	9	10	9	10	10
3	B.Sc.	Gaikar Shubham Sharad	8	9	8	8	10
4	B.Sc.	Ghare Tejashree Ramdas	8	7	9	9	8
5	B.Sc.	Hadap Dakshata Dattatray	10	8	7	8	8
6	B.Sc.	Jadhav Vishakha Vishvapal	9	8	8	10	7
7	B.Sc.	Kanade Mihir Haresh	7	9	9	10	10
8	B.Sc.	Kharkar Bhavesh Vinayak	9	7	9	10	7
9	B.Sc.	Kherodkar Yash Santosh	8	8	10	7	10
10	B.Sc.	Kokare Kalpesh Kaluram	7	7	7	7	9
11	B.Sc.	Dore Deepak Dattu	9	8	9	10	7
12	B.Sc.	Lohar Gouri Kishor	9	9	8	8	9
13	B.Sc.	More Jayesh Santosh	8	8	7	7	9
14	B.Sc.	Mhatre Kalpesh Dinesh	9	8	7	10	10
15	B.Sc.	Ahirekar Komal Dinesh	10	10	9	7	9
16	B.Sc.	Shende Kaustubh Pramod	8	9	8	7	7
17	B.Sc.	Lale Krutika Yashwant	10	7	8	10	9
18	B.Sc.	Masaye Manish Pradeep	8	8	10	10	8
19	B.Sc.	Patil Mansi Baliram	9	7	8	7	9
20	B.Sc.	Hushar Mitesh Ravindra	10	8	7	7	9
21	B.Sc.	Aute Pratik Sahadev	9	9	8	9	10
22	B.Sc.	Goyal Bhavika Suresh	10	7	10	7	7
23	B.Sc.	Kapare Pranav Rajendra	8	7	10	10	7
24	B.Sc.	Kharol Raj Ratan	10	9	9	10	8
25	B.Sc.	Koli Ankit Rama	8	10	9	10	9
26	B.Sc.	Lad Avanti Babasaheb	10	10	8	10	9
27	B.Sc.	Palasamkar Suhag Dilip	8	10	9	8	7
28	B.Sc.	Pathare Divya Nilesh	7	7	9	9	7
29	B.Sc.	Patil Vrutika Charan	9	8	7	7	7
30	B.Sc.	Pawar Aarati Anil	10	8	10	10	10
31	M.Sc.	Bhopi Abhijeet Namdev	7	10	9	9	9
32	M.Sc.	Suryavanshi Akshay Subhash	10	8	9	10	8
33	M.Sc.	Thakur Amol Haribhau	10	9	9	9	10
34	M.Sc.	Kurangale Kalpesh Sudam	10	8	10	8	8
35	M.Sc.	Mhatre Manoj Nitin	9	8	10	8	8
36	M.Sc.	Kolambekar Pandhari Pandurang	10	8	9	8	8

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37	M.Sc.	Kachare Paresh Mohan	9	7	8	9	9
38	M.Sc.	Ranaware Pooja Gajanan	7	10	10	8	7
39	M.Sc.	Turakane Puja Balasaheb	8	10	10	9	7
40	M.Sc.	Gogade Pragati Nandkumar	8	10	8	8	10
41	M.Sc.	Mhatre Pralhad Shantaram	8	8	10	8	7
42	M.Sc.	Kashid Pratiksha Sanjay	8	7	9	8	10
43	M.Sc.	Boritkar Rohit Vithoba	10	9	7	8	10
44	M.Sc.	Mali Sachin Suresh	8	8	9	10	8
45	M.Sc.	Thompson Samuel Geoffery	10	10	10	9	8
46	M.Sc.	Jadhav Santoshi Ram	9	8	10	8	8
47	M.Sc.	Shabana Isuf Shaikh	8	9	9	10	7
48	M.Sc.	Pawar Sunny Suresh	9	8	10	10	7
49	M.Sc.	Kokambe Vaibhav Vitthal	10	9	9	7	10
50	M.Sc.	Jangam Vrushali Pandit	7	7	9	8	10



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## APPLICATION FORM

Add On Course-"\_Environmental Chemistry "



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## APPLICATION FORM

Add On Course-"\_Environmental Chemistry "

Student's Name : *Kanade...mihir...Harshika*  
Father's Name : *Harish...kanade*  
Class : *B.Sc.*  
Percentage of Marks obtained in Last Qualifying Examination: .....  
Date of Admission in this Institution: *17-NOV-2020*  
Phone No. : .....  
Mobile : *7558321924*

### DETAILS OF ADD ON COURSES

Parent's Signature: *Harish*

Student's Signature: *M*

Date: *09/12/2020*

Date:

Reference

Signature of Counsellor: *P*

Name of Counsellor

Remarks of Counsellor

Remarks of Principal

: .....  
: .....  
: *Principal*

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### APPLICATION FORM

Add On Course- "Environmental Chemistry "

Student's Name : *Ranawase, Pooja, Rajanan*  
Father's Name : *Rajanan, Ranawase*  
Class : *M. Sc.*  
Percentage of Marks obtained in Last Qualifying Examination: .....  
Date of Admission in this Institution: *09 - Oct - 2019*  
Phone No. : .....  
Mobile : *..B.1.0.2.7.7.1.0.7.9*

### DETAILS OF ADD ON COURSES

Parent's Signature: *Rajanan*

Student's Signature: *Pooja*

Date:

Date: *09/12/2020*

Reference

Signature of Counsellor: *R*

Name of Counsellor : .....

Remarks of Counsellor : .....

Remarks of Principal : .....

*Aisalla*

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## “Environmental Chemistry”

14 December, 2020 to 1 February, 2021

### Enrolled List: -

S. No.	Class	Name
1.	B.Sc.	Bhoajne Pravin Krishana
2.	B.Sc.	Chavan Hina Dinesh
3.	B.Sc.	Gaikar Shubham Sharad
4.	B.Sc.	Ghare Tejashree Ramdas
5.	B.Sc.	Hadap Dakshata Dattatray
6.	B.Sc.	Jadhav Vishakha Vishvapal
7.	B.Sc.	Kanade Mihir Haresh
8.	B.Sc.	Kharkar Bhavesh Vinayak
9.	B.Sc.	Kherodkar Yash Santosh
10.	B.Sc.	Kokare Kalpesh Kaluram
11.	B.Sc.	Dore Deepak Dattu
12.	B.Sc.	Lohar Gouri Kishor
13.	B.Sc.	More Jayesh Santosh
14.	B.Sc.	Mhatre Kalpesh Dinesh
15.	B.Sc.	AHIREKAR KOMAL DINESH
16.	B.Sc.	Shende Kaustubh Pramod
17.	B.Sc.	Lale Krutika Yashwant
18.	B.Sc.	Masaye Manish Pradeep
19.	B.Sc.	Patil Mansi Baliram
20.	B.Sc.	Hushar Mitesh Ravindra
21.	B.Sc.	Aute Pratik Sahadev
22.	B.Sc.	Goyal Bhavika Suresh
23.	B.Sc.	Kapare Pranav Rajendra
24.	B.Sc.	Kharol Raj Ratan
25.	B.Sc.	Koli Ankit Rama
26.	B.Sc.	Lad Avanti Babasaheb
27.	B.Sc.	Palasamkar Suhag Dilip
28.	B.Sc.	Pathare Divya Nilesh
29.	B.Sc.	Patil Vrutika Charan
30.	B.Sc.	Pawar Aarati Anil
31.	M.Sc.	Bhopi Abhijeet Namdev
32.	M.Sc.	Suryavanshi Akshay Subhash
33.	M.Sc.	Thakur Amol Haribhau
34.	M.Sc.	Kurangale Kalpesh Sudam
35.	M.Sc.	Mhatre Manoj Nitin
36.	M.Sc.	Kolambekar Pandhari Pandurang
37.	M.Sc.	Kachare Paresh Mohan
38.	M.Sc.	Ranaware Pooja Gajanan
39.	M.Sc.	Turakane Puja Balasaheb
40.	M.Sc.	Gogade Pragati Nandkumar



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S. No.	Class	Name
41.	M.Sc.	Mhatre Pralhad Shantaram
42.	M.Sc.	Kashid Pratiksha Sanjay
43.	M.Sc.	Boritkar Rohit Vithoba
44.	M.Sc.	Mali Sachin Suresh
45.	M.Sc.	Thompson Samuel Geoffery
46.	M.Sc.	Jadhav Santoshi Ram
47.	M.Sc.	Shabana Isuf Shaikh
48.	M.Sc.	Pawar Sunny Suresh
49.	M.Sc.	Kokambe Vaibhav Vitthal
50.	M.Sc.	Jangam Vrushali Pandit



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S. No.	Class	Name	Signature	January/February																											
				08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	01	02		
41.	M.Sc.	Mhate Pralhad Shantanam	<i>Mhate</i>	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
42.	M.Sc.	Kashid Pratiksha Sanjay	<i>Kashid</i>	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
43.	M.Sc.	Borikar Rohit Vithoba	<i>Borikar</i>	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
44.	M.Sc.	Mali Sachin Suresh	<i>Sachin</i>	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
45.	M.Sc.	Thompson Samuel Geoffery	<i>Thompson</i>	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
46.	M.Sc.	Jadhav Santoshi Ram	<i>Jadhav</i>	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
47.	M.Sc.	Shahana Isul Shaikh	<i>Shahana</i>	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
48.	M.Sc.	Pawar Sunny Suresh	<i>Sunny</i>	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
49.	M.Sc.	Kokambe Valbhav Vinthal	<i>Kokambe</i>	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
50.	M.Sc.	Jangam Vrushali Pandit	<i>Jangam</i>	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		

*[Signature]*  
Teacher's Signature

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*Anisha*  
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on 14 December, 2020 to 1 February, 2021

**Dr. Nidhi Mathur**  
(Faculty Coordinator)



**Dr. Anirudha Rishi**  
(Principal)

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**SHENDE KAUSTUBH PRAMOD**

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**LALE KRUTIKA YASHWANT**

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This is to certify that

**MASAYE MANISH PRADEEP**

of **St. Wilfred's College of Arts, Commerce & Science** has participated in Value added course

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This is to certify that

**PATIL MANSI BALIRAM**

of **St. Wilfred's College of Arts, Commerce & Science** has participated in Value added course

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**AUTE PRATIK SAHADEV**

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**Dr. Anirudha Rishi**  
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