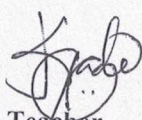
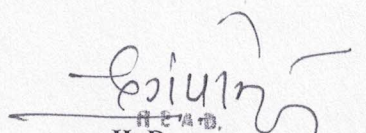


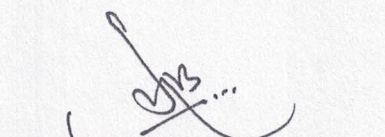
Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Structured Work Plan for Teaching
Academic Year 2020-21 (Term-I)
(July-2020 to December-2020)

1. Details of Classes to be taught

| Sr. No. | Name of Assistant Professor | Subject | Class | Paper |
|---------|-------------------------------|----------------------|-----------|--|
| 1 | Dr. Kundan Chandramani Tayade | Analytical Chemistry | B. Sc.I | General Concepts of Analytical Chemistry-I (U-ANC-150) |
| 2 | | Analytical Chemistry | B.Sc.II | Instrumental Methods of Chemical Analysis-VI (U-ANC-356) |
| 3 | | Analytical Chemistry | B. Sc.III | Modern Techniques of Chemical Analysis-IX (U-ANC-571) |
| 4 | | Chemistry | M.Sc. I | Physical Methods in Chemistry-IV (P-PMC-145) |

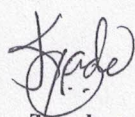

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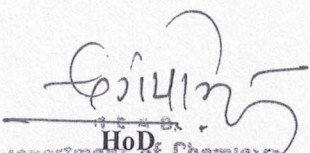

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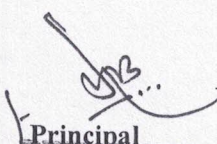

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2. Summary of Lesson Plan
Program: B.Sc. I (First Semester)

| Sr. No. | Subject | Unit and Chapter to be Covered | Date | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic and date |
|---------|----------------------|--|--------------------------|-----------------|--|--|
| 1 | Analytical Chemistry | Unit –I Introduction to Analytical Chemistry & Chemometrics | 09.09.2020 to 13.10.2020 | 15 | Home Assignments, Tutorials, Seminars, ICT | Unit Test Based on first 50% syllabus (UT-I: 24.12.2020 to 31.01.2021) (UT-II: 23.02.2021 to 28.02.2021) |
| 2 | | Unit –II Preliminary operations in Quantitative Analysis | 14.10.2020 to 09.11.2020 | 10 | | |
| 3 | | Unit -III Coordination Chemistry & Basics of Computers | 10.11.2020 to 15.12.2020 | 15 | | |
| 4 | | Unit -IV: Green Analytical Chemistry | 16.12.2020 to 30.12.2020 | 05 | | |

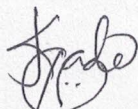

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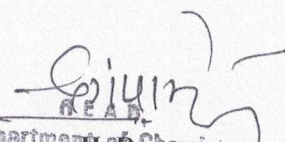

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3. **Summary of Lesson Plan**
Program: B.Sc. II (Third Semester)

| Sr. No. | Subject | Unit and Chapter to be Covered | Date | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic and date |
|---------|----------------------|---|--------------------------|-----------------|--|--|
| 1 | Analytical Chemistry | Unit –I Spectroscopic Methods-I | 16.07.2020 to 20.08.2020 | 15 | Home Assignments, Tutorials, Seminars, ICT, Jeopardy | Unit Test Based on first 75% syllabus (04.01.2021 to 05.01.2021) |
| 2 | | Unit –II Spectroscopic Methods-II | 21.08.2020 to 01.10.2020 | 18 | | |
| 3 | | Unit -III Electron Microscopy | 03.10.2020 to 17.10.2020 | 07 | | |
| 4 | | Unit -IV: Green Atomic Force Microscopy | 22.10.2020 to 13.11.2020 | 05 | | |

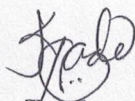

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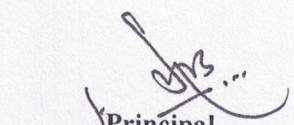

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4. **Summary of Lesson Plan**
Program: B.Sc. III (Fifth Semester)

| Sr. No. | Subject | Unit and Chapter to be Covered | Date | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic and date |
|---------|----------------------|--|--------------------------------|-----------------|--|---|
| 1 | Analytical Chemistry | Unit –I Infrared Spectroscopy | 13.07.2020 to 12.08.2020 | 12 | Home Assignments, Tutorials, Seminars, ICT | Unit Test Based on first 75% syllabus (06.01.2021 to 07.01.2021) |
| 2 | | Unit –II ¹ H NMR Spectroscopy | 17.08.2020 to 15.09.2020 | 13 | | |
| 3 | | Unit –III Mass Spectrometry | 16.09.2020 to 13.10.2020 | 12 | | |
| 4 | | Unit –IV Fluorescence Spectroscopy | 14.10.2020 to 03.11.2020 | 08 | | |


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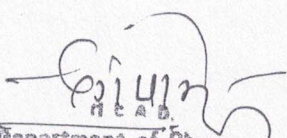

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5. **Summary of Lesson Plan**
Program: M.Sc. I (First Semester)

| Sr. No. | Subject | Unit and Chapter to be Covered | Date | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic and date |
|---------|-----------|---|--------------------------|-----------------|--|---|
| 1 | Chemistry | Unit –I Basic concepts of Analytical Chemistry & Chemometrics | 02.01.2021 to 28.01.2021 | 15 | Home Assignments, Tutorials, Seminars, ICT | Unit Test Based on first 75% syllabus (08.03.2021 to 12.03.2021) |
| 2 | | Unit –II Errors, Statistical treatment of Analytical Data | 01.02.2021 to 18.02.2021 | 15 | | |
| 3 | | Unit -III Separation Techniques | 19.02.2021 to 13.03.2021 | 20 | | |
| 4 | | Unit -IV Forensic Analysis | 15.03.2021 to 31.03.2021 | 10 | | |


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Structured Work Plan for Teaching

Academic Year 2020-21 (Term-II)

(February-2021 to May-2021)

1. Details of Classes to be taught

| Sr. No. | Name of Assistant Professor | Subject | Class | Paper |
|---------|-------------------------------|----------------------|------------|--|
| 1 | Dr. Kundan Chandramani Tayade | Analytical Chemistry | B. Sc. I | Errors, Statistical Treatment of Analytical Data (U-ANC-250) |
| | | Analytical Chemistry | B. Sc. II | Radiochemical, Thermal, Optical & Chromatographic Methods-VIII (U-ANC-456) |
| 2 | | Analytical Chemistry | B. Sc. III | Electroanalytical Techniques and Chromatography-XI (U-ANC-671) |
| 3 | | Chemistry | M.Sc. I | Physical Methods in Chemistry-VIII (P-PMC-244) |

2. Summary of Lesson Plan

Program: B.Sc. I (Second Semester)

| Sr. No. | Subject | Unit and Chapter to be Covered | Date | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic and date |
|---------|----------------------|--|--------------------------|-----------------|--|--|
| 1 | Analytical Chemistry | Unit -I Errors in Chemical Analysis | 12.03.2021 to 03.04.2021 | 10 | Home Assignments, Tutorials, Seminars, ICT, Quizes | Unit Test Based on first 75% syllabus |
| 2 | | Unit -II Statistical Treatment of Analytical Data | 08.04.2021 to 06.05.2021 | 13 | | |
| 3 | | Unit -III Separation Techniques | 07.05.2021 to 29.05.2021 | 10 | | |
| 4 | | Unit -IV: Purification Methods used in Organic Chemistry | 03.06.2021 to 26.06.2021 | 12 | | |

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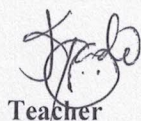
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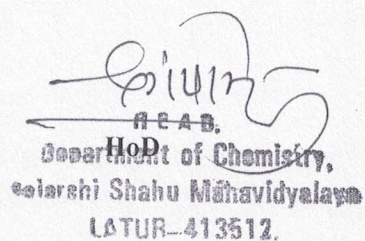
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3. **Summary of Lesson Plan**
Program: B.Sc. II (Fourth Semester)

| Sr. No. | Subject | Unit and Chapter to be Covered | Date | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic and date |
|---------|----------------------|--|--------------------------------|-----------------|--|--|
| 1 | Analytical Chemistry | Unit –I Radiochemical Methods | 22.02.2021 to 10.03.2021 | 09 | Home Assignments, Tutorials, Seminars, ICT, Quizes | Unit Test Based on first 50% syllabus |
| 2 | | Unit –II Thermal Methods of Analysis | 15.03.2021 to 07.04.2021 | 12 | | |
| 3 | | Unit -III Optical Methods | 12.04.2021 to 28.04.2021 | 08 | | |
| 4 | | Unit -IV: Chromatographic Techniques | 03.05.2021 to 03.06.2021 | 16 | | |

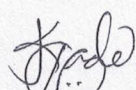

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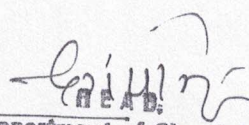

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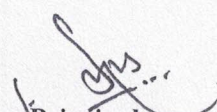

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4. Summary of Lesson Plan
Program: B.Sc. III (Sixth Semester)

| Sr. No. | Subject | Unit and Chapter to be Covered | Date | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic and date |
|---------|----------------------|--|--------------------------|-----------------|--|--|
| 1 | Analytical Chemistry | Unit -I Electroanalytical Techniques-I (Conductometry, Potentiometry) | 25.02.2021 to 20.03.2021 | 12 | Home Assignments, Tutorials, Seminars, ICT, Quizes | Unit Test Based on first 75% syllabus |
| 2 | | Unit -II Electroanalytical Techniques-II (Polarography & Amperometry) | 25.03.2021 to 23.04.2021 | 13 | | |
| 3 | | Unit -III Chromatographic Techniques-II (Ion Exchange) | 24.04.2021 to 06.05.2021 | 05 | | |
| 4 | | Unit -IV Chromatographic Techniques-III (Size Exclusion, SFC and Hyphenated Techniques) | 07.05.2021 to 10.06.2021 | 15 | | |


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