



MatushriVirbaimaMahila Science & Home Science College

Kalawad Road, Near Under Bridge, RAJKOT

PHONE NO. +91-281-2452997 email ID : mvmscience@yahoo.co.in

Self Appraisal Form for Teachers

A. Personal Information :

| | | |
|---|----------------------------------|---|
| 1 | Name | Dhtri M. Vasavada |
| 2 | Residential Address with Pin No. | 101, Bakul Apartment, 13-Ramkrushnanagar, Rajkot – 360 002 |
| 3 | Mobile No. | 9824415326 |
| 4 | Landline No. of Resident | - |
| 5 | Other alternative No. | - |
| 6 | E-Mail ID | dhatri1663@gmail.com |
| 7 | Date of Birth | 16/04/1963 |

B. (a) General Information :

| | | |
|---|--------------------------------|--------------------------------------|
| 1 | Designation | Associate Professor & HOD |
| 2 | Department | Chemistry |
| 3 | Specialization if any | |
| 4 | Date of Appointment | 01/02/1992 |
| | (i) In the present institution | |
| | (ii) In the present post | |
| 5 | Honours conferred | |

B.(b) Academic Qualification :

| Examination | Board/University | Subjects | Year | Division/Grade/Marks |
|---------------|------------------------------|----------------------------|-------------|----------------------|
| S.S.C | GHSEB | - | 1977 | Distinction |
| H.S.C. | GHSEB | Science Stream | 1979 | Frist Class |
| B.Sc. | Saurashtra University | Microbiology | 1982 | Frist Class |
| B.Sc. | Saurashtra University | Chemistry | 1983 | Second Class |
| M.Sc. | Saurashtra University | Inorganic Chemistry | 1986 | First Class |
| Ph.D | Saurashtra University | Inorganic Chemistry | 1992 | - |

C.(a) Research Experience & Training :

| Research Stage | Title of work/ Thesis | University where the work was carried out |
|--|---------------------------------------|--|
| M.Phil. or equivalent | - | - |
| Ph.D. | Studies on Metal Complexes | Dept. Of Chemistry Saurashtra University |
| Post-Doctoral | - | - |
| Publication (give a list separately)(Annexure-I) | <u>Annexure-I</u> | - |
| Research Guidance (give names of Students guided successfully)(Annexure-II) | - | - |

C.(b) Research Projects Carried out :

| Title of the project | Name of the funding agency | Duration | Remarks |
|----------------------|----------------------------|----------|---------|
| - | - | - | - |

C.(c) Seminars, Conferences, Symposia, etc. Attended :

| Name of the Seminars, Conferences, Symposia, etc. | Name of the sponsoring/Organizing Agency | Place & Date | Title of the paper presented (if any) |
|---|--|---|---|
| International | | | |
| Recent Trend in Science & Technology | International Symposium | Christ College 26/27-02-2017 | Synthetic Characterization & Catalytic activity of metal complexes |
| 26th International conference & Meeting of Magnetic Resonance Society on NMR from Molecule to Human behavior and Beyond | Department of Chemistry, Saurashtra University | Rajkot 18 to 21/02/2020 | - |
| Science Symposium Recent trends in science & technology | Christ College Rajkot | Rajkot 22 & 23/01/2022 | Attended |
| National | | | |
| Seminar on Environmental Science | Dept.of Science & Technology | Delhi 6 & 7 January 2003 | - |
| Seminar on An Approach to Green Chemistry | UGC&Dept.of Chemistry Saurashtra University | Rajkot 11 to 13 October 2003 | - |
| National Symposium on Recent Development in | UGC& Christ College | Rajkot 06/01/2008 | - |

| | | | |
|---|--|---|--|
| Science | | | |
| National Symposium on Recent trends in Cellular Research | UGC&Dept.of Biochemistry Saurashtra University | Rajkot 09/03/2009 | - |
| Seminar on Green Chemistry | Virani Science College | Rajkot 19/12/2009 | Plastic Recycling |
| Scientific Wealth of Physics | UGC&Kotak Science College | Rajkot 26/08/2012 | Water disaster Advance effect for Dissolve inorganic Elements to our Body |
| | | | Water disaster Advance effect for Dissolve inorganic Elements to our Body. |
| 31st Conference of Indian Council of Chemists | Saurashtra University | Rajkot 28/12/2012 | - |
| Non Conventional Energy Resources Conference | Virani Science College | Rajkot 23/02/2013 | - |
| Democracy in our time Past, Present and Future | Jasani Arts and Commerce College | Rajkot 14/09/2013 | Contribution of mass communication system in Democracy |
| Advances in Spectroscopy &Sterio Chemistry | Saurashtra University | 13 & 14 March 2014 | --- |
| Education Commission and IQAC | IQAC Saurashtra University | Rajkot 18/06/2015 | Value of Education |
| Recent Trends and Frontiers in Chemistry | Chemistry Deptt. Saurashtra University | Rajkot 22 & 23 February 2017 | Synthesis and Characterization of Metal Complexes |
| Intellectual Property Rights Patent and Trademarks | SSIP, Saurashtra University and Christ College | Rajkot 21/01/2018 | - |
| Inclination of modern science towards environmental protection and sustainable development | Indian Science Congress Baroda, M.S. University & Bahauddin Science College Junagadh. | Junagadh 21/02/2019 | Synthesis & characterization of eco-friendly Schiff base & it's metal complexes |
| Quantum Mechanics | Christ College Rajkot | Rajkot 28/02/2022 | Attended |
| State Level | | | |
| Webinar on use of ICT in teaching & learning | Christ College Rajkot | Rajkot 10/7/2021 | Attended |

| | | | |
|--|--|----------------------|----------|
| Participated in online webinar on 'What after B. Sc.?' | Jointly organized by M.V.M. Science & Home Science College-Rajkot & School of Science, RK University-Rajkot. | Rajkot 29/01/2022 | Attended |
|--|--|----------------------|----------|

C.(d) Training/ Workshop/FDP/Orientation/ Refresher Course :

| Sr. No. | Name of Programme | Duration | Organized by |
|--------------------------------------|--|-------------------------------------|---|
| 1 | Orientation Course | April 94 | Saurashtra University |
| 2 | Refreshers Course | March 98 | Saurashtra University |
| 3 | Refresher Course | Nov 2000 | Gujarat University |
| 4 | Refreshers Course | Jan 2003 | Saurashtra University |
| Workshop National Level | | | |
| 2 | S.Y.B.Sc Syllabus for the subject Chemistry | 24 & 25 January 1997 | Virani Sciencecollege, Rajkot |
| 3 | Drug Designing | 17 & 18 February 1997 | UGC Dept. of Chemistry Saurashtra University Rajkot |
| 7 | NAAC Awareness | 16 & 17 September 2015 | IQAC Sau.University |
| 8 | Frontiers of NMR Spectroscopy and MRI | 15 to 21 st January 2016 | Chemistry Dept Saurashtra University |
| 9 | Silver Jubilee NMR | 11 & 13 July 2018 | National Magnetic Resonance Society Rajkot H.N. Shukla College Rajkot |
| 10 | National Quality Renaissance Initiative (NQRI) | 28/02/2019 | NAAC and IQAC Cell, Saurashtra University Rajkot |
| 11 | Need of IPR in student Innovation and Entrepreneurship | 1 day | GTU, Ahmedabad & IIC Saurashtra University, Rajkot |
| 12 | Interpretation of 2D NMR | 2 days | School of Science, R.K. University |
| Faculty Development Programme | | | |
| 1 | Concept of Networking | 12 to 23 August 2013 | IQAC MVMSC&HSC College |

| | | | |
|---|---------------------------------|--------------------------|--|
| 2 | Computer Basics | 7 to 17 August 2015 | IQAC MVMS&HSC College |
| 3 | FDP-2016 | 11 to 20 August 2016 | IQAC MVMS&HSC College |
| 4 | Frontier of NMR Spectroscopy | 15 to 21 January 2016 | Saurashtra University Chemistry Department |
| 5 | International FDP | 3 & 4 November 2017 | Global Training Programme Saurashtra University |

C.(e) Details as Resource person :

| Sr.No. | Event | Title of Presentation | Date & Place | Organized by |
|--------|---|---|---|---|
| 1 | Poster Presentation Symposium 2016 | Judge | 14/02/2016 Rajkot | Christ College |
| 2 | Chemistry Lecturers Interviews | Subject Expert | 05/04/2015 & 14/08/2016 Rajkot | Sarvodaya College |
| 3 | Poster Presentation Judge | Recent Trends & Frontiers in Chemistry | 22 & 23 February 2017 Rajkot | Chemistry Department Saurashtra University |

D.(a) Teaching Experience :

| Course taught | Name of the University/College/Institution | Duration (As on June-2024) |
|---------------|---|-------------------------------|
| U.G. | MVM Science and Home Science College Rajkot | 32 YEARS |
| P.G. | Saurashtra University Chemistry Department | 20 Years |
| M. Phil. | - | - |
| Any other | - | - |

D.(b) Total Teaching Experience :

(i) Under-graduate :32 Years(ii) Post graduate: 20 Years

E. Innovations / Contributions in Teaching :

(Give list/lists separately for the following if required)

- Design of Curriculum : -M.D. Science College Porbandar 04-02-2016
- T.Y. B.Sc. New Course for Sem. V & VI at
Sau. Uni. 30-07-2016
- Teaching Methods : **Chalk – Duster, Discussions, Seminars & Audio Visual method**
- Laboratory experiments : -
- Evaluation Methods : -
- Preparation of resource material Including book, reading materials, Laboratory manual etc.:
Remedial Teaching / Student :
Out side the class as and when required by the students

- f) Counselling (academic):
Maintaining Mentor Register regularly, Guiding the needy students to get good Results and also for competitive examination such as GPSC Class I and II, BSRB IBPS etc.
 Providing books and resources as and when required by the students
- g) Any other :

F. Extension Work/ Community Services :

- 1 Please give a short account of your contribution to :
 - i. Community work such as values of National Integration, secularism, democracy, socialism, humanism, Peace, Scientific temper, flood or drought relief, small family norms etc.:
 - ii. National Mission:
- 2 Position held/Leadership role played in organizations linked with Extension Work & National Service Scheme (NSS) or NCC or any other similar activity :

G. Participation in Corporate Life:

Please give a short account of your contribution to :

- i. College/ University/Institution :
 - **Active in activities, attending all kinds of meetings and PG Examiner. M.Sc. all semester as well as paper settings.**
 - **Member of Sau. University Biochemistry Board, Member of A-47 Committee.**
 - **Members of Various committees of college like GrievenciesRedressal Cell Saptadhara, Women Cell, Aluminee, IQAC,etc**
 - **Thalassamia, Red Ribbon Club Activities participation.**
 - **Youth Festival candidates selected also guided for the best performance.**
 - **Chief Gust at SargumRasostsav**
 - **Magazine KalamKadchhiBarchi editing**
 - **Ministry of Finance (Govt. of India) & CBDT awarded as Best Tax Paying Person.**
- ii. Co-curricular Activities :
- iii. Enrichment of Campus Life (Hostels, Sports, Games, Cultural Activities) :
- iv. Students Welfare & Discipline:
- v. Membership/Participation in Bodies/Committees on Education and National Development :
- vi. Professional Organization of Teacher:

H.(a) Membership of Professional Bodies, Societies etc. :

(b) Editorship of Journals :

I.(a) State brief assessment of your performance indicating :

(b) Difficulties faced:

(c) Suggestions for improvement:

J. Step taken by you for the evaluation of the course/ programme taught :

K. Any other Information :

Annexure-I

| Sr. No. | Title of the Paper | Journal/ Book | Date/ Volume/ Pg. No. | Year of Publication | National/ International | ISBN/ ISSN No. |
|---------|--------------------|---------------|-----------------------|---------------------|-------------------------|----------------|
| 1 | SBlock Elements | College | 1 to 17 | 2003 | - | - |

| | | | | | | |
|-----------|---|-------------------------------|----------------|-------------|----------|---------------------------|
| | | Rasayan | | | | |
| 2 | Multi Electron System | Chemistry VI P 601 | 1 to 28 | 2010 | - | - |
| | Crystal Field Theory I | | 1 to 20 | | | |
| | Crystal Field Theory II | | 1 to 22 | | | |
| | Magneto Chemistry | | 1 to 16 | | | |
| 3 | Conductometry | Chemistry VI P 603 | 1 to 32 | 2010 | - | - |
| | Complexometry | | 1 to 24 | | | |
| | P^HMetri&Potentiometry | | 1 to 37 | | | |
| 4 | Wave Mechanics & MO Theory | Chemistry 301 | 1 to 30 | 2014 | - | 978-93-5236-281-3 |
| 5 | MO Theory | Essential of Chemistry | 1 to 22 | 2015 | - | 978-93-84-910-11-2 |
| | Organometallic Compound | | 1 to 15 | | | |
| | Chemical Kinetics | | 1 to 20 | | | |
| | Colloidal State | | 1 to 20 | | | |
| 6 | Wave Mechanics | Chemistry 501 | 1 to 26 | 2015 | - | 978-93-5236-007-9 |
| | Crystal Field Theory I | | 1 to 35 | | | |
| 7 | Crystal Field Theory II | Chemistry 601 | 1 to 20 | 2016 | - | 978-93-5236-050-5 |
| | Multi Electron System | | 1 to 25 | | | |
| 8 | Wave Mechanics | Chemistry 501 | 1 to 28 | 2018 | - | 978-81-936413-6-1 |
| | Crystal Field Theory I | | 1 to 22 | | | |
| | Metal Carbonyls | | 1 to 24 | | | |
| 9 | Practical Chemistry Sem V & VI | Volumetric Analysis | 1 to 20 | 2018 | - | 978-81-936413-2-3 |
| 10 | Crystal Field Theory II | Chemistry 601 | - | 2018 | - | Under Printing |
| | Multi Electron System | | | | | |
| | Magneto Chemistry | | | | | |