



CURRICULUM VITAE
(Last updated – January 2025)

Dr. Aniket A. Pawanoji
Assistant Professor, Department of Chemistry
K. J. Somaiya College of Science and Commerce
Mumbai, Maharashtra

Email: aniket@somaiya.edu, anichemist@gmail.com

Objective : To pursue scientific contributions that would further enrich my experience and creativity in the area of Nanomaterials synthesis and their potential applications.

Research Interest: Nanoscience and nanotechnology, Inorganic material, Metal complexes, Organometallic compounds, Coordination Chemistry, Environmental Chemistry.

Education:

Ph.D. (July 2007 – January 2011)	UGC Research Fellow Department of Chemistry, University of Mumbai, Mumbai, Maharashtra, India Research Supervisor: Prof. B. H. Mehta Thesis Title: Synthesis, Characterization and X-ray diffraction studies of d^7 and d^8 transition metal complexes of Schiff bases.
LL.B. (June 2021 – April 2024)	New Law College, D. G. Ruparel Campus, University of Mumbai, Mumbai, Maharashtra, India.
State Eligibility Test (SET) (September 2015)	University of Pune
M.Sc. (June 2005 – April 2007)	Inorganic Chemistry, Ismail Yusuf College, University of Mumbai, Mumbai, Maharashtra, India
B.Sc. (June 2002 – April 2005)	Chemistry S. S. and L. S. Patkar College, University of Mumbai, Maharashtra, India

Employment and Professional Experience:

October 2015 – till date	Assistant Professor, Department of Chemistry, K. J. Somaiya College of Science and Commerce, Mumbai, Maharashtra, India. Current Role and responsibilities: Research Guide for M.Sc. by research and Ph.D. IQAC Member, Website Convener, Gurudakshata Committee Convener, Admission Convener Board of Studies Member Past Responsibilities: Information cell Coordinator, Feedback committee member, Attendance committee member
June 2011 – September 2015	Assistant Professor, Vidyalkar Institute of Technology, Mumbai, Maharashtra, India. Role and responsibilities: Directorate of Technical Education (DTE) Coordinator for First year engineering admissions, National Board of Accreditation (NBA) Coordinator, Laboratory In-charge, Senior Supervisor for University Examination,
September 2010 – July 2011	Lecturer, Department of Chemistry, VIVA College, Virar (W), Thane, Maharashtra, India.
June 2010 – May – 2011	Visiting Faculty, Department of Chemistry, University of Mumbai, Mumbai, Maharashtra, India.
October 2007 – March 2010	Expert for M.Sc. – II Practical Examination
August -September 2007	Visiting faculty, S. S. and L. S. Patkar College, Mumbai, Maharashtra, India.
August -September 2007	Visiting faculty, Ismail Yusuf College, Mumbai, Maharashtra, India.
September – October 2006	Trainee at Quality Control Laboratory, CIPLA, Mumbai, Maharashtra, India.

Awards, Recognitions and Fellowships:

- UGC - Junior Research Fellowship (JRF) in Chemistry.

Honours:

- Nominated as an expert member on the selection committee for interviews for Assistant Professor post in Chemical Engg. on 18th July, 2014 at Mukesh Patel School of Technology Management & Engineering, Mumbai.
- Nominated as an expert member on the selection committee for interviews for Assistant Professor post in Applied Chemistry on 10th June, 2015 at Mukesh Patel School of Technology Management & Engineering, Mumbai

Research Guide:

Department of Chemistry, K. J. Somaiya College of Science and Commerce,
01 M.Sc. (by Research) degree awarded,
03 students registered (ongoing) for their Ph.D. degree.

Research Projects Completed:

Sr. No.	Title	Funding Agency	Amount in INR	PI/Co-PI
1.	Synthesis, characterization and catalytic applications of metal sulphide, metal oxide chalcogenide nanoparticles	University of Mumbai	40000/-	Principal Investigator

Research Work and Publications in Referred Journals:

Sr. No.	Title of the Publication	Name of the Journal
1.	Green Fabrication of CdS Quantum Dots Using Household Indian Spices for Its Potential Anticancer Activity Against Human Breast Cancer Cells (MCF-7) and Other Biological Applications: Komal Jarhad, Aniket Pawanoji* , Pranali Parab, Amol Pawar	<i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 1-16, (2025).
2.	Green synthesis of Multifunctional CdS Nanoparticles from Cinnamon (Cinnamomum Verum) Extract-	<i>Bionanoscience</i> , 15(1), 155, (2024)

	Functionalized for In vitro Photocatalytic Degradation and Photoelectrochemical Applications, Komal Jarhad, Aniket Pawanoji* , Pranali Parab, Amol Pawar	
3.	Thermal and Dielectric Properties of EuF ₃ :Gd@Tryptophan, Manoj Mahajan*, M. Khandpekar, Aniket Pawanoji	<i>Journal of Physics: Conference Series</i> , 2886 (1), 012008, (2024)
4.	Neem extract-mediated La(III) and Ce(IV) oxide nanoparticles probing for their dielectric and biological applications: Pranali Parab, Aniket Pawanoji* , Amol Pawar, Manoj Mahajan	<i>Iranian Journal of Chemistry and Chemical Engineering</i> , 43(4), 1414-1425, (2024).
5.	Peepal (Ficus religiosa) leaf extract mediated green synthesis of lanthanum and cerium oxide nanoparticles: Characterization and potential biological applications: Pranali Parab, Aniket Pawanoji* , Amol Pawar	<i>Indian Journal of Chemistry</i> , 63(1), 15-20, (2024).
6.	Transition Metal Complexes of Schiff Base Ligands as Efficient Catalysts for Epoxidation of Alkenes, Aniket Pawanoji* and Bipin Mehta	<i>Imperial Journal of Interdisciplinary Research</i> , 2(12), 448, (2016).
7.	Synthesis, Characterization and Thermal Studies of Rh(III) Complexes derived from Bidentate Schiff Bases, Sameer Disale, Aniket Pawanoji and Bipin Mehta*	<i>Asian Journal of Chemistry</i> 23(2) , 802, (2011).
8.	Spectral and Magnetic studies of Cobalt(II), Nickel(II) and Palladium(II) metal with bidentate Schiff base ligands: A. A. Pawanoji , J. A. Shaikh and B. H. Mehta*	<i>Journal of Indian Chemical Society</i> ; 87(2) , 779, (2010)
9.	Synthesis, Characterization and X-ray Diffraction Studies of Co(II), Ni(II) and Pd(II) Complexes of Schiff Base derived from 3-hydroxy Benzaldehyde and 3-hydroxyl-2-naphthoic hydrazide : Pawanoji A. A. and Mehta B. H.*	<i>Asian Journal of Chemistry</i> , 21(9) , 6869, 2009.

Research Guidance:

Sr. No.	Title of the Project	Degree	Name of the Student
1.	Green Synthesis of Metal oxide Nanoparticles using plant extracts and study of its potential applications.	M.Sc. by Research	Ms. Pranali Parab Degree Awarded (2025)
2.	Harnessing the power of eco-friendly synthesis semiconductor nanoparticles for water splitting and biomedical applications.	Ph.D.	Ms. Komal Jarhad
3.	Analytical method development & validation of active pharmaceutical ingredients in various generic drugs & It's Force Degradation Studies.	Ph.D.	Ms. Harshali Sawant

Resource Person

1. "Gyan Vimimay", Haribhai V. Desai College of Arts, Science and Commerce, Pune under Faculty Exchange Programme, 29th May 2021.
2. "Classical methods of Analysis, Titrimetry", KLE Society's Science and Commerce College, 4th November 2020.
3. "Science Exhibition", Beemanagar Education Society, Higher Secondary School, BMC, R Ward, 12th December 2019.
4. "Better achievements in Organic Chemistry University Examination 2019-20", KLE Society's Science and Commerce College, 11th September 2019.

Paper presented in the conferences:

1. Green Synthesis of Lanthanum and Cerium Oxide nanoparticles using Peepal (Ficus Religiosa) Leaves extract and investigation of their biological properties., Pranali Parab, **Aniket Pawanoji***, One day National Conference on Recent Advances in Chemical Sciences (RACS-2023) held at Mithibai College of Arts, Chauhan Institute of Science and Amrutben Jivanlal College of Commerce and Economics under the aegis of Rashtriya Uchchatar Shiksha Abhiyan (RUSA), 23rd February 2023.
2. Synthesis, Characterization and Antibacterial Studies of Cobalt(II), Nickel(II) and Palladium (II) Complexes with Bidentate Schiff Base Ligands., **A. A. Pawanoji** and B. H. Mehta, 22nd Research Scholars' Meet – 2010, Indian Chemical Society (Mumbai Branch) held at Sathaye College, Mumbai – 400057, India, 19-20 February, 2010.

3. Synthesis, Characterization and X-ray Diffraction Studies of Co(II), Ni(II) and Pd(II) Complexes of Schiff Base derived from 3-hydroxy Benzaldehyde and 3-hydroxy-2-napthoic hydrazide., **A. A. Pawanoji** and B. H. Mehta, *1st International Society Biotechnology conference*, Sikkim, 28-30 December, 2008.

Orientation, Refresher and Faculty Development Programmes attended:

1. UGC Sponsored Online Refresher Course on "Environmental Studies", K. J. Somaiya College of Science and Commerce, 03-16 January 2024.
2. UGC Sponsored One week Faculty Development Program on "E-Content Development", Ruia College, University of Mumbai, 19-25 November 2019.
3. One week Faculty Development Program on "Development of Teacher's e-kit and MOOCs in Four Quadrant Format of e-Content", S.G.T.B. Khalsa College, University of Delhi under PMMMNMTT), MHRD, 12-20th September 2020.
4. Two days Induction Programme on "Communication Skills", KJSSC, 13-14th July 2019.
5. UGC Sponsored Refresher Course in "Chemical, Physical and Material Sciences", UGC-HRDC, Pondicherry University, 14-27th June 2019.
6. NPTEL Online Certification in "Coordination Chemistry", July - October 2019.
7. RUSA Sponsored Short Term Course in "E-Content Development", UGC-HRDC, University of Mumbai, 19 - 25th November 2019.
8. "Teacher camp in Chemistry", Homi Bhabha Centre for Science Education (HBCSE, TIFR), 16-19th August 2018.
9. UGC-Sponsored "Orientation Programme" at UGC-HRDC, Punjabi University, Patiala, 21st May - 16th June 2018.
10. "STEM Teacher Training workshop on Research based Pedagogical Tools", jointly sponsored by the Department of Biotechnology (DBT), Govt. of India, IISER Pune and IIT, Gandhinagar, conducted by a team of experts from the Centre of Science Education, Sheffield Hallam University, UK, 10-13th December 2017.

Conference, Workshops and Training Programme Organized:

1. Two days National Level "Faculty Development Programme on E-Content Development", KJSSC, 28 - 29th February 2020.
2. Flood Relief Material Collection Drive organized by Department of

Lifelong Learning and Extension Unit (DLLE), KJSSC, 19 - 21st August 2019.

3. Workshop on "Maintenance of Laboratory Instruments", WRIC and KJSSC, under STAR-DBT Scheme, 13 - 16th February 2019.
4. Organized "ACT-CONTECH - a concept test in Chemistry at national level for under-graduate (UG) students", KJSSC, 25th January 2018.
5. NAAC Sponsored National Conference on "Curriculum Design and Evaluation", IQAC, KJSSC, 12-13th January 2018.
6. National Conference on "GST & Indirect Tax Reform- Impact on Economy" KJSSC, 29 - 30th November 2017.
7. 94th DAE BRNS IANCAS national Workshop on "Radiochemistry & Applications of Radioisotopes" KJSSC, 16 - 23rd January 2017.
8. "Workshop on Spectroscopy" Department of Chemistry, KJSSC, 26 - 31st December 2016.

Conference, Workshops and Training Programe attended:

1. Workshop on "Final Hour AQAR filling Offline Workshop", College of Home Science Nirmala Niketan, Mumbai, 12th December, 2024.
2. Workshop on "Professional Development Programme for the Science teachers", IQAC, K. J. Somaiya College of Science and Commerce in collaboration with Royal Society of Chemistry, 4-5th August, 2023.
3. National Webinar on "Sustainable living", K. J. Somaiya College of Science and Commerce in collaboration with Environmental Awareness Committee-SATAT, 16th May, 2023.
4. Symposium on "Integrated Approaches on Sustainable Agriculture", KJSSC, 26-28th April 2022.
5. Workshop on "Climate smart precision farming for sustainable development and augmenting farmers income", KIAAR, Sameerwadi, Karnataka, 28-30th March 2022.
6. Webinar on "Developing Safe Habits" K. J. Somaiya College of Science and Commerce, 20th August, 2021.
7. Investor Awareness Program on Financial Planning organised by CASI on behalf of BSE Investor's Protection Fund, KJSSC, Mumbai, 21st January 2022.
8. Webinar on "Careers in Chemistry", K. J. Somaiya College of Science and Commerce, 14th July, 2021.
9. Webinar on "Strengthening Your Understanding of Research Journals", K. J. Somaiya College of Science and Commerce in collaboration with Elsevier, 10th July, 2021.
10. Webinar on "IPR - A Journey from idea to startup" K. J. Somaiya College of

- Science and Commerce, 26th June, 2021.
11. Webinar on "Yoga for a bright future" K. J. Somaiya College of Science and Commerce, 21st June, 2021.
 12. One day virtual workshop on "Excel at MS Excel for Effective Organization of Quantitative Metrics data of NAAC", Vidyalkar Institute of Technology, 15th May 2021.
 13. National Webinar on "Institutional Values and Best Practices" IQAC, Pillai College of Arts, Commerce and Science, 3rd April 2021.
 14. Webinar on "Catalysis, Surfactants and Green Chemistry – A perfect triad of clean chemical processes", BRNS-DAE, KJSSC, 5th March 2021.
 15. Webinar on "Student Satisfaction Survey: A Significant tool in Teaching, Learning and Evaluation", IQAC, KJSSC, 13th February 2021.
 16. Webinar on "Youth Sustainability: Thought, Action & Lifestyle with Ms. Prajana Couvery", Department of Chemistry, KJSSC, 19th July 2020.
 17. Webinar on "Online Teaching-learning and Online Assessment demo" Inpods Ed-Tech, 28th May, 2020.
 18. Webinar on "NAAC Accreditation Management System demo", Inpods Ed-Tech, 27th May, 2020.
 19. Webinar on "Importance of Innovations in Chemical Sciences-Examples from BASF", Department of Chemistry, KJSSC, 20th May 2020.
 20. Webinar on "CAS Promotion – Issues & E-Content Development", Dnyandeo Mohekar Mahavidyalaya, Kalamb, 1-2 May, 2020.
 21. Webinar on "Revised NAAC Assessment and Accreditation: Challenges and Path to move ahead", IQAC, Wilson College, 29th April – 3rd May 2020.
 22. Webinar on "Outcome based education", InPods Ed-tech, 25th April, 2020.
 23. Workshop on "Avishkar Research Convention:2019-20", KJSSC, for Zone II, 16th August 2019.
 24. "ENVINOUR" in association with Montana University, KJSSC, 30th January 2019.
 25. One day workshop on "CAS" organized by IQAC, KJSSC, 25th September 2018.
 26. Workshop on "Curriculum Designing for Degree College teachers", IQAC, KJSSC, 14th July 2017.
 27. Three day workshop on "Flipped Learning", KJSSC, 8-10th June 2017.
 28. One day workshop on "API and Maharashtra Public Universities Act, 2016", DTSS College of Commerce, Malad East, Mumbai 400097, 09th April 2017.
 29. Two day workshop on "Instrumentation of Spectra of Inorganic Complexes", Wilson College, 28-1st March 2017.
 30. One day Workshop on "Advance Learners on Interpretation of Spectra of

- Inorganic Complexes", Wilson College, 18th February 2016.
31. One day workshop on Scientific Writing, K.J. Somaiya College of Science and Commerce, Mumbai, 16th January, 2016.
 32. EIBPI – 2015, Dnyansadhana College, Thane, 24th January, 2015.
 33. One day workshop on Outcome Based Education and Accreditation, Vidyalankar Institute of Technology, Mumbai, 13th December, 2014.
 34. STTP on Effective Research Methodology for Ph.D. Aspirants of Engineering and Technology, Vidyalankar Institute of Technology, Mumbai, 7 – 11 July, 2014.
 35. Workshop on "Sensing Forces on Biological Materials at Nanoscales using AFM and Optical Tweezers" Jointly organized by National Center for Nanomaterials and Nanotechnology, University of Mumbai, JPK Instruments AG, Berlin and Inkarp Instruments, Firozshah Mehta Bhavan, University of Mumbai, Mumbai – 400 098, 4 February, 2010.
 36. UGC-SAP sponsored "National Conference on Synthesis and Applications of Novel Materials", Department of Chemistry, University of Mumbai, Kalina, Santacruz East, Mumbai, 4-5 March, 2010.
 37. National Conference on "Chemistry of Materials [NCCM - 2009]", Department of Chemistry, University of Mumbai, Kalina, Santacruz East, Mumbai, 20-21 February, 2010.
 38. 21st Research Scholars' Meet – 2009 Indian Chemical Society (Mumbai Branch), Ramnarain Ruia College, Matunga (E), Mumbai – 400 019, 13-14 February, 2009.
 39. UGC-SAP sponsored, National Seminar on NANOMATERIALS, Department of Chemistry, University of Mumbai, Mumbai – 400 098, 28-29 March, 2008.
 40. 20th Research Scholars' Meet – 2008, Indian Chemical Society (Mumbai Branch), KET'S V. G. Vaze College, Mulund, Mumbai – 400 081, 22-23 February, 2008.
 41. THERMANS – 2008, Department of Atomic Energy, Indira Gandhi Centre for Atomic Research, Kalpakkam – 603 102, 4-8 February, 2008.

You-tube Videos (E-Content) Published:

Sr. No.	Title of the Video	Date of Publish
1.	Estimation of Hardness of Water https://youtu.be/_ZsR5FwQ2ds	Aug 30, 2023
2.	Identity Element of symmetry - Molecular Symmetry L06	Aug 3, 2023

	https://youtu.be/Jrb4E0NPtWU	
3.	Improper Rotational axis of symmetry - Molecular Symmetry - L05 https://youtu.be/puU4So8nwe4	Aug 2, 2023
4.	Plane of Symmetry - Molecular Symmetry L04 https://youtu.be/v1t_zqzFGGU	Aug 1, 2023
5.	Proper Rotational Axis of Symmetry - Molecular Symmetry L03 https://youtu.be/aMwCddqMk6Q	Jul 20, 2023
6.	Center of Symmetry - Molecular Symmetry L02 https://youtu.be/hDmVIYHizo8	Jul 19, 2023
7.	Why to learn Molecular Symmetry L01 https://youtu.be/FWBcl7N8R7E	Jul 17, 2023
8.	Application of Molecular Orbital Theory to Methane Molecule https://youtu.be/KQZ8PGs0opY	Jul 11, 2023
9.	Application of MOT to Water Molecule https://youtu.be/JaDTF3B2zUI	Mar 4, 2023
10.	MOT application to Trihydrogen ion. https://youtu.be/kmK-bAFDCto	Mar 2, 2023
11.	Structure and bonding in pyrrole https://youtu.be/ogfu67DcTml	Mar 1, 2023
12.	Structure and bonding in benzene https://youtu.be/AuuOfTAR6Mg	Feb 28, 2023
13.	MOT application to Beryllium dihydride molecule https://youtu.be/oc3h7IZKYxQ	Jun 27, 2022
14.	MOT application to Carbon Monoxide https://youtu.be/5XfAh_F_z5I	Apr 25, 2021
15.	MOT application to Nitric Oxide (Heteronuclear diatomic molecule) https://youtu.be/mx5og5VL7P8	Apr 24, 2021
16.	Application of MOT to Oxygen, Fluorine and Neon. https://youtu.be/npGE8p-jEjA	Mar 24, 2021
17.	Application of MOT to Boron, Carbon and Nitrogen molecules. https://youtu.be/pLKQAjeuY3s	Mar 23, 2021

18.	Molecular Orbital Theory - Salient Features (Postulates) https://youtu.be/r7FBgyZ3x1k	Feb 25, 2021
19.	Rotational Molding https://youtu.be/2xkPxICwNUs	Dec 26, 2020
20.	Bonding in Coordination compounds L10 https://youtu.be/vkXFtOGWi_o	Dec 19, 2020
21.	Chemistry of Coordination Compounds L7 https://youtu.be/I5_4-JY82zU	Dec 17, 2020
22.	Chemistry of Coordination Compounds L6 https://youtu.be/ChlKhsVKkLE	Dec 16, 2020
23.	Chemistry of Coordination Compounds L5 https://youtu.be/lf4FDl5p-8s	Dec 16, 2020
24.	Chemistry of coordination compounds L4 https://youtu.be/cTBGygp40_M	Dec 12, 2020
25.	Chemistry of Coordination compounds L3 https://youtu.be/ainh3MjKiaU	Dec 12, 2020
26.	Chemistry of Coordination compounds L2 https://youtu.be/7s9qoX51NTE	Dec 11, 2020
27.	Chemistry of Coordination compounds L1 https://youtu.be/ho5GPwYLZ8k	Dec 9, 2020
28.	Bonding in Coordination Compounds L9 https://youtu.be/ZsyHU-WzEh0	Dec 8, 2020
29.	Bonding in Coordination Compounds L8 https://youtu.be/6Bkpt5KS0jo	Dec 7, 2020
30.	Bonding in Coordination compounds L7 https://youtu.be/2mEG6UqtBIY	Dec 7, 2020
31.	Bonding in Coordination Compounds L6 https://youtu.be/ZTLwZ84uhew	Dec 6, 2020
32.	Bonding in Coordination Compounds L5 https://youtu.be/AA09bn68R3Y	Dec 6, 2020
33.	Chemistry of Transition Elements L4 https://youtu.be/3COjHaIhDLE	Oct 20, 2020
34.	Chemistry of Transition Elements L3 https://youtu.be/Hc52BKGr7Vc	Oct 17, 2020
35.	Bonding in Coordination Compounds L4 https://youtu.be/i74VPIoTa5Q	Oct 10, 2020
36.	Cracking of Petroleum (Catalytic Cracking)	Oct 5, 2020

	https://youtu.be/SayZyTMROxk	
37.	Chemistry of Transition Elements L2 https://youtu.be/EKS3iFJ9NUU	Sep 28, 2020
38.	Screening Effect (Shielding Effect), Nuclear Charge and Slater's rule. https://youtu.be/VOLu1JSJ31c	Sep 24, 2020
39.	Bonding in Coordination compounds L3 https://youtu.be/pLyRwC34yzg	Sep 18, 2020
40.	Bonding in Coordination Compounds L2 https://youtu.be/-ilmx-Cw08M	Sep 11, 2020
41.	Chemistry of Transition Elements L1 https://youtu.be/CWx7E9gb3Rg	Sep 6, 2020
42.	Periodic Table of Elements https://youtu.be/KKa1BkmkN7k	Sep 6, 2020
43.	Bonding in Coordination compounds - L1 (Crystal field Theory) https://youtu.be/eg9-TNxTJg8	Aug 28, 2020
44.	Packing efficiency in Face centered cubic unit cell https://youtu.be/g8CpYIqoWWc	Jul 16, 2020
45.	Efficiency of packing in Body centered cubic unit cell https://youtu.be/abTee4so7IE	Jul 13, 2020
46.	Efficiency of Packing - Simple Cubic Lattice https://youtu.be/EEL-NS-IOio	Jul 11, 2020
47.	Airbag: The Life saving Chemistry https://youtu.be/EOSg23NQwbQ	Jul 8, 2020
48.	Blow Moulding https://youtu.be/HFXY5ATm67o	Jun 14, 2020
49.	Jablonski Diagram https://youtu.be/JWfOLz5QiC0	Mar 25, 2020
50.	Molecular Orbital Theory to Lithium and Beryllium molecules. https://youtu.be/IRBUBmVS6nM	Apr 27, 2020
51.	Molecular Orbital Theory Application to Hydrogen and Helium Molecules. https://youtu.be/2FP0ef4CwDk	Mar 29, 2020
52.	Electronic Configuration of Elements in the periodic table	Jun 5, 2019

	https://youtu.be/8jP8zUy9W-M	
53.	Transfer molding https://youtu.be/2DUB9DoIoi8	Dec 14, 2018
54.	Extrusion Molding https://youtu.be/5lO-6SpSooE	Nov 30, 2018
55.	Injection Molding https://youtu.be/QglJLrwDPxE	Nov 29, 2018
56.	Compression Molding https://youtu.be/pOGpXZ-UMfo	Nov 28, 2018
57.	Saponification Value https://youtu.be/oPjKMt3rE9M	Oct 22, 2018
58.	Acid Value of Lubricant https://youtu.be/QL4-FOkzn4	Oct 19, 2018
59.	Inside water filter https://youtu.be/5bb70HsyAtM	Feb 8, 2018
60.	Atmospheric Corrosion (Applied chemistry) https://youtu.be/qWe16G93kTU	Jan 29, 2018
61.	Proximate Analysis of Fuel/Coal https://youtu.be/qu1v60L1Chk	Jan 28, 2018
62.	Phase Rule - Two component system https://youtu.be/wyT_A6bBUWE	Oct 2, 2017
63.	Thin Film Lubrication https://youtu.be/et0NWu1Hurk	Sep 16, 2017
64.	Thick Film Lubrication https://youtu.be/WeH3CUvdt_s	Sep 13, 2017
65.	Phase Rule - One Component System https://youtu.be/si95eubFZdg	Sep 2, 2017
66.	Basics of Solid-State Chemistry https://youtu.be/1INpn0kXRxw	Sep 1, 2017
67.	Quantum Numbers https://youtu.be/QdXOMixOdnE	Aug 16, 2017
68.	Knocking In Internal Combustion Engine https://youtu.be/uWx1cXR7x_M	Mar 28, 2017
69.	Mechanism of Corrosion https://youtu.be/UpfG3HqhcWg	Mar 25, 2017
70.	Synthesis of Carbaryl (Bhopal Gas Tragedy) https://youtu.be/qhJ_QzGi5uU	Mar 13, 2017
71.	Synthesis of Ibuprofen (Avoid derivatization)	Mar 13, 2017

	https://youtu.be/IvgCVmwJM3c	
72.	Synthesis of Adipic Acid https://youtu.be/OK1WxtqgPEQ	Mar 13, 2017
73.	Synthesis of Indigo dye https://youtu.be/4KqKFwIG1VI	Mar 13, 2017
74.	Water and its Treatment https://youtu.be/CWOJW4357Bg	Nov 14, 2016
75.	Important Engineering materials https://youtu.be/5cjCgqaRJXU	Nov 14, 2016

Other Activities :

- Played Lawn Tennis at National Level.
- Plays Leather ball Cricket at Corporate Level.