

CURRICULUM VITAE

Dr. Nitin Gajanan Kanse

Department of Chemical Engineering
Finolex academy of management and Technology
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EDUCATION

- + **Doctor of Philosophy** (Chemical Engineering), Laxminarayan Institute of Technology, RTM Nagpur University, September 2019
- + **Master of Technology** (Chemical Engineering), Laxminarayan Institute of Technology, RTM Nagpur University, with first class (67.41%) in October , 2010
- + **Bachelor of Technology** (Chemical Engineering), from Dr. Babasaheb Ambedkar Technological University Lonere , Raigad, with first class (CGPA: 7.83) in June, 2008
- + **Diploma** (Chemical Engineering), from Dr. V.V. Patil Institute of Technology and Engineering (Polytechnic), Pravaranagar, with Distinction (79.44 %) in June, 2005
- + **HSC** from Pune Divisional Board with First Class (65.83 %) in 2002
- + **SSC** from Pune Divisional Board with First Class (65.73 %) in 2000

PROJECT WORK AND SEMINAR

Ph.D.

- ❖ Project on “Modeling, Simulation and performance evaluation of Pervaporation for separation of Azeotropic mixtures”.

M.Tech.

- ❖ Project on “Kinetics and RTD Study In Plug Flow Reactor”
- ❖ Presented seminar on “Membrane Design For Waste Water Treatment”

B.Tech.

- ❖ Project on “Manufacture of Nitrobenzene.”
- ❖ Presented seminar on “Choice of Reactor”

Diploma

- ❖ Project on “Manufacture of Dimethylaniline”

PATENT DETAILS

Title of the Patent : **“Four Plate Double Effect Jaw Crusher”**
Application No. : 202021040231 A
Date of filing of Application : 17/09/2020
Publication Date : 09/10/2020
The Patent Office Journal No.: 41/2020 Dated 09/10/2020

RESEARCH GRANT/ FUNDING PROJECT

Title of the Research Project : **Separation of Azeotropic Mixture by Pervaporation**
Research Project No : 108
Ref No. : APD/237/601 of 2019
Name of funding Organization : University of Mumbai
Total Amount Received in Rs. : **25000 /-**

Ph.D. Thesis Review Details:

Name of the university : RK University, Rajkot
Thesis title : **Production of Activated Carbon and Furfural from Biomass**
Month and Year : March 2021

AWARD :

- ✚ Received **Best Young Researcher Award** of Institute of Technical and Scientific Research ITS Foundation Award-2020 at Jaipur (Rajasthan) on 23rd February 2020.
- ✚ Received certificate of recognition for **Student Project Program-2022** (Higher Education Institutions Level) as a Guide by Institute of Scholars (InSc)

INDUSTRIAL EXPOSURE

<i>Sr.No.</i>	<i>Name of Organization</i>	<i>Duration</i>	<i>Description</i>
1.	Shrigonda sahakari sakhar karkhana Ltd.Shrigonda	Two Week	Basic knowledge of industry
2.	Emmellen Biotech Pharmaceutical Ltd.Mahad	Two Week	Unit operation and unit process

TEACHING EXPERIENCE

<i>Sr. No.</i>	<i>Name of the Organization</i>	<i>Duration</i>	<i>Position</i>
1.	JDIET Yavatmal	19 th July 2010 to 23 rd July 2011	Lecturer
2.	TKIET, Warananagar	26 th July 2011 to 5 th Dec. 2011	Lecturer
3.	FAMT, Ratnagiri	7 th Dec. 2011 to 9 th Jan 2022	Assistant Professor
4.	FAMT, Ratnagiri	10 th Jan 2022 to Till Date	Head and Associate Professor

Total Teaching Experience: 12 Years and 10 Months 20 Days (As on 08/06/2023)

SUBJECT TAUGHT

UG Level:

- ❖ Modeling and Simulation in Chemical Engineering
- ❖ Computer Programming and Numerical Methods
- ❖ Polymer Engineering

- ❖ Corrosion Engineering
- ❖ Environmental Studies
- ❖ Mechanical Operations
- ❖ Computational Fluid Dynamics
- ❖ Modeling, Simulation and Optimization

PG Level:

- ❖ Process Modeling and Simulation

Honor Course:

- ❖ Solid and Hazardous Waste Management
- ❖ Liquid Effluent Management

SOFTWARE SKILL

- ❖ *Scilab*
- ❖ *Polymath*
- ❖ *MATLAB*
- ❖ *Aspen plus*
- ❖ *DWSIM*
- ❖ *COCO*

SUBJECT TAUGHT FEEDBACK

- ❖ All the attributes of my feedback analysis report for above taught subjects are marked as good and excellent during my Teaching experience.

GUEST LECTURES DETAILS

- ❖ Delivered Guest Lecturer on Application of Polymath in Chemical Engineering in PVPIT, Budhgaon, Sangli on dated 19th February 2013
- ❖ Delivered Guest Lecturer on Application of MATLAB in Chemical Engineering in PVPIT, Budhgaon, Sangli on dated 8th March 2013

ACHIEVEMENTS

- ❖ GATE SCORE 225 (ALL INDIA RANK 1540) in Third Year 2007
- ❖ GATE SCORE 285 (ALL INDIA RANK 793) in Final Year 2008
- ❖ Completed NPTEL Course on “MATLAB Programming for Numerical Computation” with Elite grade (72%) Feb-March 2018.

EXTRA CURRICULAR ACTIVITIES

- ❖ Worked as member of Technical Committee in Dr. BATU Lonere at B.Tech Level.
- ❖ Teaching Assistant (As a GATE Scholar) : “Fluid Mechanics Practical.”
- ❖ Teaching Assistant (As a GATE Scholar) : “Process Control Practical.”
- ❖ Working as Senior Prefect in LIT, Nagpur Hostel day celebration and Shivaji Jayanti-2010 (GARJANA)
- ❖ Worked as Coordinator for one day workshop on Computational Fluid Dynamics conducted by Department of Chemical Engineering FAMT Ratnagiri on 9th October 2015
- ❖ Worked as a committee member in RAST2K16 organized by Department of chemical engineering on 17th – 18th February 2016.

- ❖ Worked as a Judge for State Level Technical project Presentation competition in “Technotsav 2k16” organized by FAMT student chapter in 2016.
- ❖ Convener for subject revision in CPNM and CFD subject for 2017-18, in Mumbai university
- ❖ Worked as Judge for Paper and Poster Presentation in Tech-Fest SHODH-2017 organized by Department of Chemical Engineering GIT, Lavel on dated 1st -2nd April 2017.
- ❖ Worked as a Member of Organizing Committee for Two day workshop on Intellectual Property Rights (IPR) conducted for faculty members, lab assistants and PG students organized by Research & Consultancy Development Committee (RCDC) on 24th & 25th March 2018.
- ❖ Worked as a Member of Organizing Committee for one day workshop on Intellectual Property Rights (IPR) conducted for under graduate students (Engineering) organized by Research & Consultancy Development Committee (RCDC) on 24th March 2018.
- ❖ Worked as Coordinator for one day workshop on “Introduction to Python Programming” conducted by Department of Chemical Engineering FAMT Ratnagiri on 14th July 2018.
- ❖ Worked as a Judge for debate competition in “CHEMSTROM 2k18” organized by FAMT student chapter on 13th and 14th Oct. 2018.
- ❖ Worked as a Organizing member in “College level Research Convention AVISHKAR 2018-19” Conducted for District level Research Convention AVISHKAR 2018-19 as a part of Research convection of University of Mumbai under Engineering and Technology Category held at Finolex Academy of management and technology, Ratnagiri on 1st November 2018.
- ❖ Worked as a Judge for Paper Presentation competition in “Nirmiti 2k19” organized by PVPIT, Budhgaon on 20th and 21st February 2019.
- ❖ Worked as a Co-coordinator for one day workshop on Intellectual Property Rights (IPR) conducted for under graduate students (Engineering) organized by Research & Consultancy Development Committee (RCDC) on 15th March 2019.
- ❖ Worked as a Member of Organizing Committee for Two day workshop on Intellectual Property Rights (IPR) conducted for faculty members, lab assistants and PG students organized by Research & Consultancy Development Committee (RCDC) on 15th and 16th, March 2019.
- ❖ Worked as Chair person for Paper Presentation in National Conference REACT-2022 organized by Department of Chemical Engineering LIT Nagpur on dated 16th and 17th April 2022.
- ❖ Worked as a Judge for CHEMO-Model Competition in “Nirmiti 2k22” organized by PVPIT, Budhgaon on 9th and 10th June 2022.
- ❖ Worked as Chair person for Paper Presentation in International Conference Multicon W2023, organized by Thakur College of Engineering & Technology.

PUBLICATION DETAILS

Book Chapters	Papers Published in Journal			Papers Presented in Conference	
	<i>Elsevier</i>	<i>National</i>	<i>International</i>	<i>National</i>	<i>International</i>
01	05	03	10	22	07

GOOGLE SCHOLAR DETAILS

Google Citations Details		
<i>Citations</i>	<i>h-index</i>	<i>i10-index</i>
161	08	06

BOOK CHAPTERS DETAILS

- ❖ Book chapter published in Novel water treatment and separations methods entitled “Modeling of ethanol/water separation by Pervaporation membrane process. (2018) pp. 245-260, Chapter 18. Publisher: Apple Academic Press Inc. Canada.

PAPERS PUBLISHED IN JOURNALS DETAILS

1. **Kanse Nitin G.** and Dawande S.D. “RTD Studies in Plug Flow Reactor and its Simulation with Comparing Non Ideal Reactors” Research Journal of Recent Sciences, Vol. 1(2), 42-48, Feb. (2012), pp. 42-48
2. **Kanse Nitin G.**, Dhanke P.B. and Thombare Abhijit “Modeling and Simulation Study of the CSTR for Complex Reaction by Using Polymath” Research Journal of Chemical Sciences Vol. 2(4), April (2012), pp.79-85
3. Dhundiraj P. Deshpande, S.V.Aneker and **N. G. Kanse** “Catalytic cracking of used palm oils”, International Journal of Biotechnology, Chemical & Environmental Engineering (IJBCEE) Vol.1, (1), April (2012), pp.28-32
4. Padole Manjusha, Sapkal Pradyumna, Dawande S.D. and **Nitin Kanse** “Heat Integration of Crude Organic Distillation Unit” Research Journal of Engineering Sciences, Vol. 2(2), 1-6, February (2013), pp.47-55
5. Ghanshyam Pandhare, Nikhilesh Trivedi, **Nitin Kanse**, S.D.Dawande “Synthesis of low cost Adsorbent from Azadirachta Indica Leaf Powder” International Journal of Advanced Engineering Research and Studies, Vol. II/ Issue II/Jan.-March.,(2013), pp.29-31
6. **Nitin G. Kanse***, Dr. S. D. Dawande “A Review of Pervaporation Membrane System for the Separation of Ethanol/Water (Azeotropic Mixture)” International Journal of Engineering Sciences & Research Technology, 4.(12) . December, (2015), pp.472-479
7. **Nitin G. Kanse***, S. D. Dawande “Comparative Study of Pervaporation Separation of IPA/water Mixture using Different Membranes”. Elixir Chem. Engg. 100 (2016) 4341043413, ISSN:2229-712X, Global Impact Factor: 0.454
8. **Nitin G. Kanse**, Shah Chirag, Salunkhe Swapnil, Suryawanshi Vishal “Extraction of Pectin from Orange Peel’s and Its Applications: Review” International Journal of Innovative Research in Science, Engineering and Technology, Vol. 6, Issue 9, September(2017), pp. 19452-19457,
9. **Nitin G.Kanse**, Mokal Deepali, Patil Kiran, Bhandurge Priyanka and Prashant Dhanke “A Review on Citric Acid Production and Its Applications” International Journal of Current Advanced Research, Volume 6; Issue 9, September (2017), pp. 5880-5883

10. **Nitin G. Kanse**, S. D. Dawande “Separation of Ethanol/Water (Azeotropic mixture) by Pervaporation” Elsevier journal Materials Today: Proceedings, Vol. 4 Oct. 2017, pp. 10520–10523
11. **Nitin G. Kanse**, S. D. Dawande “Effect of temperature and solution concentration on Pervaporation for separation of azeotropic mixtures, Elsevier Journal Materials Today: Proceedings, Vol. 5, 2018, pp.3541-3550,
12. Prashant Dhanke, Sameer Wagh, **Nitin Kanse**, “Degradation of Fish Processing Industry Wastewater in Hydrocavitation”, Elsevier Journal Materials Today: Proceedings, Vol. 5, 2018 pp. 3699–3703.
13. **Nitin G. Kanse**, Shah Chirag, Suryawanshi Vishal, “Effects of Operating Parameters on Extraction of Pectin from Orange Peel’s” International Journal of Engineering Technology Science and Research, Volume 5, Issue 4 April 2018, pp.981-987
14. Saurabh S. Mahatme, **Nitin G. Kanse**, Annasaheb K. Bandsode, “PULP AND PAPER PRODUCTION FROM PINEAPPLE LEAVES AS A SUBSTITUTE TO WOOD SOURCE: A REVIEW”, INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS, Volume 6, Issue 2 April 2018, pp.20-26
15. Prashant Dhanke,*, Abhijeet Patil, Vivek Kore, **Nitin Kanse**, “ Phosphate Removal From Waste Effluent Using Improved Fly Ash” Elsevier Journal Materials Today: Proceedings, Vol. 5, 2018, pp. 17889–17894
16. **Nitin G. Kanse**¹, Devendra Matondkar², Sonali Bane³ & Prajakta Matondkar⁴ “Overview of Pressure –Swing Distillation Process for Separation of Azeotropic Mixture” International Journal of Research and Analytical Reviews Vol.6 , JAN-MARCH 2019 , page no.674-678
17. Abhijeet Patil,* Prashant Dhanke, Vivek Kore, **Nitin Kanse**, Thumba methyl ester production using prepared novel TiO₂ nano-catalyst in ultrasonic, Elsevier Journal Materials Today: Proceedings, Vol. 18, 2019, pp. 4322-4329
18. **Nitin Gajanan Kanse***, Matondkar Devendra , Bane Sonali , Matondkar Prajakta, A Computational Study on the Separation of Methanol/Chloroform Azeotropic Mixture Using Pressure Swing Distillation (PSD) Process, Journal of Research in Applied Chemistry, Volume 3 Issue 1, Feb. 2019. pp. 18-26

PAPERS PRESENTED IN CONFERENCE DETAIL

1. Paper presented entitled “Simulation of Non-Ideal Reactor Using Residence Time Distribution Function” in **CHEMCON-2010** organized by Indian Institute of Chemical Engineers, Annamalai, Tamilnadu on 27th -30th, December, 2010.
2. Paper presented entitled “Removal of Arsenic Using Waste Oyster Shell” in the National conference **Eev-2011** organized at Vits Hotel Aurangabad on 19th -20th, February, 2011.
3. Paper presented entitled “Nanotechnology for Human Health Care” in the **NCNST-2011** organized by Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur on 21st-22nd February, 2011
4. Paper presented entitled “Catalytic Cracking of Vegetable Oils – Alternate Route to Liquid Fuels” in the National conference on **The Renewable Energy Sources- A plausible solution to looming energy crisis** sponsored by ministry of New and Renewable Energy Gov of India organized by Shrinathji Institute of Technology and Engineering, Upali-Oden Nathdwara, Rajasthan on 25th -26th, June. 2011.

5. Paper presented entitled “Modeling and Simulation of the Tank in Series Model Using Polymath” in the 1st International Science Congress (**ISC-2011**) organized by Maharaja Ranjit Singh College of Professional Science, Indore on 24th -25th, December, 2011.
6. Paper presented entitled “Performance Analysis of Shell and Tube Heat Exchanger Using Polymath” in the Indian Chemical Engineering Congress, 64th annual session **CHEMCON-2011** organized by M. S. Ramaiah Institute of Technology, Bangalore on 27th -29th, December, 2011.
7. Paper presented entitled “Algal Biofuel Production Technologies: A Review” in the National Conference on Emerging Trends in Engineering, Technology and Architecture (**NCETETA-2012**) organized by D. Y. Patil College of Engineering and Technology, Kasaba Bawada, Kolhapur on 28th - 29th, January, 2012.
8. Paper presented entitled “Simulation Study of the CSTR for Complex Reaction by Using Polymath” in the National conference **GreenChem-2012** organized by Jawaharlal Darda Institute of Engineering and Technology, Yavatmal on 27th -28th, February, 2012.
9. Paper presented entitled “Design and Optimization of Tanks in Series Model for Residence Time Distribution Function using Polymath” in the Indian Chemical Engineering Congress, 65th annual session of Indian Institute of Chemical Engineers, **CHEMCON-2012** organized by Indian Institute of Chemical Engineers Doaba Regional center and Department of Chemical Engineering, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Panjab on 27-30 December, 2012.
10. Paper presented entitled “Study of biodiesel production from linseed oil using transesterification” in National Conference on Emerging Trends in Engineering and Technology (**NCETETA-2012**) organized by Padmabhooshan Vasantraodada Patil Institute of Technology, Budhgaon, Sangali on 18th-19th, February, 2013.
11. Paper presented entitled “Bio-Filtration for control of air pollution” in National conference on Green Chemistry and Engineering (**NCGCE-2013**) organized by Department of Chemical Engineering Visvesvaraya National Institute of Technology, Nagpur on 22nd, March, 2013.
12. Paper presented entitled “Performance of Pervaporation Membrane Separation Technique and Its applications” in the **SCHEMCON-2013** 19th Annual Session Students Chemical Engineering Congress organized by Department of Chemical Engineering, MVGR College of Engineering, Vijayaramnagar Campus, Chinthalavalasa, (AP) on 14th -15th, September, 2013.
13. Paper presented entitled “Fluoride Removal from Drinking Water By Adsorption - A Theoretical Review Using Bone Char as a Biosorbent” in the Two Day technical event National Conference on **GREENCHEM-2013** organized by Department of Chemical Engineering, Jawaharlal Darda Institute of Engineering and Technology, Yavatmal on 11th -12th, October, 2013.
14. Paper presented entitled “Production of Bio-Diesel Using Oscillatory Reactor: A Process Intensification Technique” in the **CHEMCON-2013** 66th Annual Indian Chemical Engineering Congress organized by Institute of Chemical Technology, Mumbai 400 019, on 27-30, December, 2013
15. Paper presented entitled “Modeling and Simulation of Methyl Tertiary Butyl Ether (MTBE) Reactive Distillation column using ASPEN PLUS” in the 2nd National Conference on Recent Advances in Science and Technology (**RAST2k16**) organized by Department of Chemical Engineering, FAMT Ratnagiri on 17th -18th, February, 2016.

16. Paper presented entitled “Production of Bio-Diesel using Ultrasonic Cavitation Reactor” in 2nd National Conference on Recent Advances in Science and Technology (**RAST2k16**) organized by Department of Chemical Engineering, FAMT Ratnagiri on 17th -18th , February, 2016.
17. Paper presented entitled “Hydrocarbon feedstock from Castor Oil” in 2nd National Conference on Recent Advances in Science and Technology (**RAST2k16**) organized by Department of Chemical Engineering, FAMT Ratnagiri on 17th -18th, February, 2016.
18. Paper presented entitled “Modeling of Ethanol/Water separation by Pervaporation Membrane Process” in National Conference on Recent trends in Chemical Engineering and Technology (**REACT-2016**) organized by Laxminarayan Institute of Technology, Nagpur on 27th -28th, February, 2016.
19. Paper presented entitled “Separation of Ethanol/Water (Azeotropic mixture) by Pervaporation using PVA Membrane” in International Conference on Recent Trends in Engineering and Material Science (**ICEMS-2016**) organized by Jaipur National University on 17th -19th , March, 2016.
20. Paper presented entitled “Effect of temperature and solution concentration on Pervaporation for separation of azeotropic mixtures.” in 7th International conference on Materials processing and Characterization (**ICMPC-2017**) organized by department of mechanical engineering, Gokaraju Rangaraju Institute of engineering and technology, Hyderabad on 17th -19th March, 2017.
21. Paper presented entitled “Extraction of Pectin from Orange Peel’s- PART-I.” in **SHODH** 2018 organized by Gharda Institute of Technology, Lavel on 10th -11th March, 2018.
22. Paper presented entitled “Effects of Operating Parameters on Extraction of Pectin from Orange Peel’s” in International Conference on **Advancements and Innovations in Engineering**, Technology organized by St. PETER’S ENGINEERING COLLEGE. Telangana on 27th - 28th April, 2018.
23. Paper presented entitled “Comparison of Non-Ideal Reactors using Residence Time Distribution Function and its Simulation by Polymath” in **15th Annual Session** of students Chemical Engineering Congress organized by Student Chapter of IChE Department of Chemical Engineering Shroff S R Rotary Institute of Chemical Technology, Gujrat on 17th -18th October 2019.
24. Paper presented entitled “Modeling and Simulation of Vacuum Membrane Distillation for Desalination” in International Conference on **Technological Interventions for sustainability** organized by Department of Chemical Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj on 14th -16th April 2022.
25. Paper presented entitled “Application of Pervaporation and Vapor Permeation in Environmental Protection” in national Conference on Recent Advances in Chemical Engineering and Technology (**RACET-2023**) organized by University Institute of Chemical Technology, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jagaon(MS) on 18th March 2023.
26. Paper presented entitled “Preparation of Wine from Mix Fruit and its Characterization” in National Conference on Advances in Material and Processes for Sustainable Applications (**AMPSA-2023**) organized by Gharda Institute of Technology, Lavel on 23rd to 25th March 2023.

27. Paper presented entitled “ Solvent Extraction of Kokum Butter from Garcinia Indica Choisy Seeds ” in National Conference on Advances in Material and Processes for Sustainable Applications (**AMPSA-2023**) organized by Gharda Institute of Technology, Lavel on 23rd to 25th March 2023.
28. Paper presented entitled “Enhanced Biodiesel Production from Groundnut Oil with Supported Cesium Tungstophosphoric Acid Catalyst System” in National Level Technical Symposium organized by IChE Student Chapter and ChESA Department of Chemical Engineering, Pravara Rural Engineering College Loni, on 19th May 2023.
29. Paper presented entitled “ Utilisation Of Banana Fibre For Making Wrapping paper ” in National Level Technical Symposium organized by IChE Student Chapter and ChESA Department of Chemical Engineering, Pravara Rural Engineering College Loni, on 19th May 2023.

NUMBER OF WORKSHOPS, SEMINAR, STTP'S ATTENDED

1. Attended Two Week AICTE Sponsored staff development programme on “**Recent Advances in Chemical Process Control**” Conducted by Department of Chemical Engineering Sinhgad College of Engineering, Pune during 16-28, May, 2011.
2. Attended one day seminar on “**Research Methodology and Recent Techniques**” Conducted by University of Mumbai, Sub-Centre Ratnagiri on 25th February, 2012.
3. Attended Two Week ISTE Workshop on “**Computational Fluid Dynamics**” conducted by Indian Institute of Technology Bombay under the National Mission on Education through ICT (MHRD) organized in Visvesvaraya National Institute of Technology, Nagpur during 12th -22nd , June, 2012.
4. Attended National level Seminar on “**Role of Bio-Energy in Sustainable Growth**” Sponsored by all India Council for Technical Education (AICTE) organized by Department of Chemical Engineering, MIT, Academy of Engineering Alandi(D), Pune during 30th -31st, August, 2013.
5. Attended Two Week interdisciplinary short term training programme approved by ISTE, New Delhi on “**Advances in Heat Transfer, Fluid Mechanics and Mass Transfer**” organized by Department of Chemical Engineering Jawaharlal Darda Institute of Engineering & Technology, Yavatmal during 2nd -11th, December, 2013.
6. Attended Two Week ISTE Workshop on “**Fluid Mechanics**” conducted by Indian Institute of Technology kharagpur under the National Mission on Education through ICT (MHRD) organized in Finolex Academy of Management and Technology, Ratnagiri during 20th -30th , May, 2014.
7. Attended Two Day ISTE e-seminar on “**Steps 2 Research**” organized by Department of Computer Science, Department of Computer Applications, Amal Jyothi College of Engineering Kanjirappally in association with ISTE Kerala section and CSI Cochin chapter in Finolex Academy of Management and Technology, Ratnagiri during 19th -20th, September, 2014.
8. Attended Two Week ISTE Workshop on “**Control Systems**” conducted by Indian Institute of Technology Kharagpur under the National Mission on Education through ICT (MHRD) organized in Finolex Academy of Management and Technology, Ratnagiri during 2nd -12th , December, 2014.

9. Attended One week interdisciplinary STTP on “***Application of Bioprocess and Nanotechnology in Chemical Engineering***” organized by Department of Chemical Engineering, SGGS Institute of Engineering and Technology, Nanded during 18th -22nd, December, 2014.
10. Attended Faculty Development Program on “***Application of CFD in Chemical Engineering***” conducted by Department of Chemical Engineering, Pravara Rural Engineering College Loni, on 24th -25th, August, 2015.
11. Attended One day Workshop on “***Process simulation using Aspen Plus***” organized by Department of Chemical Engineering, Department of Chemical Engineering, PVPIT Budgaon, Sangali on 19th September, 2015.
12. Attended Short Term Training Programme sponsored by ISTE on “***Effective Research Methodology***” organized by Priyadarshini Institute of Engineering & Technology, Nagpur during 5th -16th, October, 2015.
13. Attended One week workshop on weekends on “***Funding Schemes Available for Research Proposal***” organized by Research, Development and consultancy cell (RDCC), Finolex Academy of Management and Technology, Ratnagiri during 13th February – 23rd April, 2016.
14. Attended One week workshop on weekends on “***Utilization of Computer Techniques for Chemical Engineering***” organized by D. Y. Patil College of Engineering and Research and Management, Pune during 06th -12th June, 2017.
15. Attended One week workshop on “***Design and Analysis of Process Equipment using Computational Tools***” organized by Sir Visvesvaraya Institute of Technology, Chincholi, Nashik during 17th -21st, December, 2018.
16. Attended One week Workshop on “***Refresher course in Chemical Engineering and Technology***” which is Jointly Organized by Chemical Engineering Department, Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad, Maharashtra and Chemical Engineering Department, Padmabhooshan Vasantraodada Patil Institute of Technology, Budhgaon, Sangli, Maharashtra on 18th – 22nd June, 2019.
17. Attended One day Workshop on “***Avishkar Research Convention 2019-2020***”, organized by Department of students Development, University of Mumbai at Finolex academy of management and engineering, Ratnagiri for Zone VI (Ratnagiri District) and Sindhudurg District) on 6th July 2019.
18. Attended one week STTP on “***Reactive Separations: Fundamentals through modeling and simulation***” organized by Chemical Engineering Department, BATU, Lonere and Padmabhooshan Vasantraodada Patil Institute of Technology, Budhgaon, Sangli, Maharashtra on 23rd -27th, December 2019.
19. Attended Online Workshop on “***Sustainable Development in Chemical Processes***” organized by Chemical Engineering Department K. K. Wagh Institute of Engineering Education & Research, Nashik on 21st to 23rd May 2020.

20. Attended online workshop on “**Corrosion and its Control**” organized by Mechanical Engineering Department, DYPIEMR, Akurdi, Pune-44 in Association with Department of Chemistry, B.S. Abdur Rahman Crescent Institute of Science & Technology, Vandalur, Chennai-48 on 2nd to 4th June 2020.
21. Participated in 5-Days online FDP on “**Development and Impact of Recent Technologies & Innovations in Chemical Engineering**” organized by Department of Chemical Engineering Mahatma Gandhi Mission’s College of Engineering & Technology, Sector-18, Kamothe, Navi Mumbai, on 21st -25th , June 2020.
22. Attended five day Online Faculty Development Program (FDP) on **RECENT INNOVATIONS IN CHEMICAL ENGINEERING (RICE)** organized by Department of Chemical Engineering, BKIT BHALKI held during 29th June to 3rd July 2020.
23. Participated in one week online Faculty Development Program on “**Challenges and Opportunities in Recent Emerging Technologies**” Sponsored by TEQIP-III and organized by Department of Chemical Engineering, SGGSIE&T, Nanded, Maharashtra (India) on 6th to 10th July 2020.
24. Attended Workshop on “**Intellectual Property Rights (IPR) Awareness : Patent Drafting and Filing**” organized by Research and Development Cell BHARATI VIDYAPEETH COLLEGE OF ENGINEERING, PUNE on 23rd to 25th July, 2020
25. Attended Workshop on "**Advances in Fluid, Heat and Mass Transfer**" Jointly Organized by Department of Chemical Engineering and Department Mechanical Engineering, Sir Visvesvaraya Institute of Technology, Nashik on 5th to 9th July, 2021.
26. Participated in one week online Faculty Development Program on “**Outcome Based Teaching-Learning**” organized by Department of Chemical Engineering, Pravara Rural Engineering College, Loni on 21st to 25th March 2022.
27. Attended Workshop on " **Recent Trends in Chemical and Manufacturing Industries**" Organized by Department of Chemical Engineering and Mechanical Engineering, Shivajirao S. Jondhale College of Engineering, Sonarpada, Dombivl(East), Thane on 4th to 8th July 2022.
28. Attended Faculty Development Program (FDP) on "**Novel Technology for Environment and Energy Sustainability**" Organized by Department of Chemical Engineering, Pad. Dr. V. V. Patil Polytechnic , Loni on 20th to 25th Feb 2023

B.E. PROJECTS GUIDED

- ❖ Preparation of wine from mix fruit and it's characterization
- ❖ Preparation, Characterization and Application of Keratin Based Green Biofilms from Waste Chicken Feathers
- ❖ Simulation of Azeotropic Distillation for Separation of Butanol/ Water
- ❖ Simulation of Distillation process for separation of methanol-chloroform
- ❖ Extraction of Citric Acid from Lemons
- ❖ Extraction of Pectin from Orange Peels
- ❖ Modeling and Simulation of Plug Flow Reactor
- ❖ Dynamics and control of Distillation column using Aspen Plus
- ❖ Modeling and simulation of CSTR for esterification reaction

- ❖ A dissertation on Teriphthalic Acid
- ❖ Removal of Phenol from Water by Adsorption using Activated Carbon
- ❖ Heat transfer studies in Heat exchanger using Metal Powder
- ❖ Manufacturing of Methyl Ethyl Ketone
- ❖ Study on Finned Tube Heat Exchanger
- ❖ Modeling and Simulation of Reactive Distillation Column
- ❖ Simulation of hydrogenation of Aniline using Aspen Plus
- ❖ Simulation of Pyrolysis of benzene using Aspen Plus-Case Study
- ❖ Kinetics and RTD Studies in Plug Flow Reactor
- ❖ Effect of various parameters on Reactive Distillation Column
- ❖ Design, Fabrication and modeling of Packed column for Liquid-Liquid Extraction
- ❖ Modeling and Simulation of Continuous Stirred Tank Reactor
- ❖ Modeling and Simulation of Heat Exchanger Design
- ❖ Comparative study of Air Cooled and Helical Coil Heat Exchanger

ADMINISTRATIVE DUTIES HANDLED IN ACADEMICS AS TEACHER

- ❖ Project Coordinator
- ❖ Class Teacher for SE, TE, BE
- ❖ Departmental Time Table Coordinator
- ❖ Departmental Result Analysis coordinator
- ❖ Internal Assessment Exam Coordinator
- ❖ University Practical/oral Coordinator
- ❖ Departmental ACES In-charge
- ❖ Departmental Feedback_Coordinator
- ❖ Mentor for SE, TE and BE students
- ❖ Departmental Academic Calendar Coordinator
- ❖ Departmental Web_Coordinator
- ❖ Industrial visit Coordinator
- ❖ Departmental T&P Coordinator
- ❖ Computer Application Laboratory In-charge
- ❖ Departmental GATE forum Coordinator

ADMINISTRATIVE DUTIES HANDLED IN ACADEMICS AS HOD

- ❖ Handle Academic scheduling, record-keeping and reporting.
- ❖ Manage Department Budgets and documentation
- ❖ NAAC and NBA Department documentation
- ❖ New laboratory Development for UG students
- ❖ Counsel students when needed
- ❖ Resolve conflicts and other issues
- ❖ Initiate, review and oversee Memorandums of Understanding.
- ❖ Coordination with Alumni
- ❖ Provide leadership for the faculty in developing strong scholarship and research agendas, helping them to publish their work, and to apply for various grants.
- ❖ Provide leadership for the faculty in developing strong, attractive curricula that are pedagogically sound, use resources efficiently and utilize robust methods for assessing

instructional programs.

PROFESSIONAL MEMBERSHIPS

- ❖ IChE life associate member (LAM-46712)
- ❖ International Association of Engineers (IAENG) (Member No: 131363)
- ❖ IAENG Society of Chemical Engineering
- ❖ IAENG Society of Society of Bioinformatics
- ❖ IAENG Society of Industrial Engineering
- ❖ IAENG Society of Operations Research
- ❖ International Union of Pure and Applied Chemistry (IUPAC), USA
- ❖ International Society of Food Engineering (ISFE) (Member No: 1546)USA
- ❖ International Separation Science Society (CASSS Id: 41422113), USA
- ❖ American Oil Chemist's Society (AOCS), USA
- ❖ World Environmental Organization, Washington
- ❖ World Academy of Science, Engineering and Technology, USA
- ❖ American Association for the Advancement of Science (AAAS Number: 40936338)
- ❖ Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEEES Member No.:201588) Hong Kong
- ❖ International Association of Online Engineering (IAOE), Austria

REVIEWER OF JOURNAL

- ❖ International Journal of Engineering Research and Technology (ISSN : 2278-0181)
- ❖ INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS (ISSN : 2320-2882)
- ❖ International Journal of Innovative Research in Engineering & Multidisciplinary Physical Sciences (ISSN : 2349-7300)
- ❖ International Journal of Scientific Development and Research (ISSN : 2455-2631)
- ❖ Journal of Emerging Technologies and Innovative Research (ISSN : 2349-5162)

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- ❖ Journal of Energy, Environmental & Chemical Engineering (JEECE) (ISSN: 2637-434X)
- ❖ Blue Eyes Intelligence Engineering and Sciences Publication' and it's journals for year 2020-21

PERSONAL PROFILE

Name	: Dr. Nitin Gajanan Kanse
Father's Name	: Mr. Gajanan Rangnath Kanse
Date of Birth	: 13 th June 1984
Sex	: Male
Marital status	: Married
Languages Known	: English, Hindi and Marathi.
Hobbies	: Cricket, Kho-Kho. Reading Books
Nationality	: Indian

REFERENCE

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I hereby declare that the information furnished above is true to the best of my knowledge.

Date : 05/07/2023

Place : Ratnagiri

(Dr. Nitin Gajanan Kanse)