

BIO-DATA



Dr. (Mrs.) SHWETA CHOUBEY

17- 07- 2014

NAME : Dr (Mrs.) Shweta Choubey

HUSBANDS NAME : Shri Puneet Choubey

DATE OF BIRTH : 15TH March 1977

QUALIFICATION : M. Sc. (Physical Chemistry),
Ph..D. On “**ANALYTICAL STUDIES ON
PHYTOASSISTED METHODS FOR TOXIC
CONTAMINANTS REMOVAL**” (UNDER Pandit
Ravishankar Shukla UNIVERSITY, RAIPUR, CG)

PRESENT DESIGNATION : Professor & Head (Chemistry)
Department Of Basic Sciences
Government Engineering College, Raipur CG.

PROFESSIONAL EXPERIENCE : UG level (B.E.)
(Applied Chemistry) - **23 years 3 months.**
(Environment and Ecology) - **13 years**
PG. Level (M.E.)
(Environmental Science and Engineering) - **9 Years**

CORRESPONDANCE ADDRESS : 12/32 BANGLOWS, BHILAI, DISTT. DURG (CG).

CONTACT NUMBER (Residence) : 0788 – 2999114

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Courses Handled and at what level: till

1. Applied Chemistry : B.E. (UG Level)
23 Years 3 Months
 2. Environment and Ecology, B.E. (UG Level)
13 years
- ME/ M. Tech. (PG Level)**

3. Air Pollution Control and Engineering, M.E. Esc.old (II Semester PG Level)-
9 years 1 months
4. Principles of Environmental Science, M.E. Esc.old (I Semester PG Level)
5 years
5. Solid and Hazardous Waste Management, M.E. Esc.old (PG Level)
9 years
6. Natural and Industrial disaster Management, M.E. Esc. old(IV Semester PG Level)
9 years
7. Energy and Environment, M.E. Esc.old (III Semester PG Level)
9 years.
8. Design of Air Pollutuion Control System M.E. Esc.New (III Semester PG Level)
4 year
9. Design of Air Pollutuion Control System Lab M.E. Esc.New(III Semester PG Level)
4 year
10. Principal of Environmental Engineering Lab, M.E. Esc.New (III Semester PG Level)
4 year

Publications at A Glance:

S.No.	Publication level	Book Published	Research Paper in Journal	Research papers in Conference/Seminar/ Symp etc	Row Total
1	International	1	14	15	30
2	National	2	3	32	37
3	Column Total	3	17	47	67

Any Other Relevant Information:

1	Faculty Development Programme/Training attended	39
2	Seminar/ Conference Attended International	11
3	Seminar/ Conference Attended national	74

	Workshop /FDP/Training attended	39
4	Seminar/ Conference/ workshop Organized	16
5	cash Prize/Reward etc on Publication	9
6	Expert Talk on Doordarshan	1
7	Membership in professional body	2
8	M.E. Project/Thesis Guided	12
9	As Observer for All-India Pre Medical Test	3 times
10	Duties assigned by College/Universities/state Government	Enclosed
11	Ph.D. Thesis Valuation	2
12	Invited Talk, Resource Person/Keynote Speaker/ Chief guest	More then 11
13	Paper Setting	More then 10 times for ME/ BE

PUBLICATIONS

1. Papers published in International and National Journals
 2. Book Published
 3. Paper published in International /National (Conference/ Seminar)
-

Papers published in International and National Journals

International Journal 14

1. **Biosorptive Removal of Ni(II) from Waste Water and Industrial Effluent** Pandey, P., **Choubey, S.**, Verma, S., Pandey, M., Kalyankamal S.S. Chandrasekhar, K., Published on International Journal of Environmental Research and Public Health ISSN – 1661-7827, (2007) 4(4), 332-339.
2. **Bisorptive Removal of Arsenic From Drinking Water**, Pandey, P. K., **Choubey, S.**, Published on International Journal of Biresouce Technology (2007).
3. **Biosorptive removal of Cadmium from contaminated groundwater and industrial Effluents**, Pandey, P., Verma, **S., Choubey,** S., Pandey, M., Chandrashekhar, K., Published on BIORESOURCE TECHNOLOGY 99 (2008) 4420-4427 Science Direct Elsevier.
4. **Role of communication in effective teaching in present scenario**

Bhawna Pandey, Zehera Hasan, Shweta Choubey, Published on International Research Journal Lab to Land ISSN No. 0975-282X, (2012), Vol.4 (15), 455-459.

5. Valuable Black gold as a result of utilization of municipal solid waste

Shweta Choubey

Published an International journal of Recent Research of Science and Technology ISSN No. 2076-5061, 0975-2014, Vol.6 (1), 241-244.

6. Mineral-Water Interfacial Reactions and Their Effect on Elemental Mobilisation

Piyush Kant Pandey, Yashu Verma, Shweta Choubey

Published on *Asian Journal of Water, Environment and Pollution*, Vol. 13, No. 1 (2016), pp.49–58. DOI 10.3233/AJW-160007

7. Testing and Analysis of Pond Water in Raipur City, Chhattisgarh, India

Arvind Kumar Swarnakar¹, Dr. Shweta Choubey²

Published an International Journal of Science and Research (IJSR)

ISSN (Online): 2319-7064 Index Copernicus Value (2013): 6.14 | Impact Factor (2015): 6.391

8. Analysis of Physiochemical parameters for Water Quality: A review

Arvind Kumar Swarnakar, Dr. Shweta Choubey

International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064 Index Copernicus Value (2013): 6.14 | Impact Factor (2015): 6.391

9. A short review on “Utilizing Sugarcane bagasse (SCB) –Chhattisgarh (India) prospect”

Arvind Kumar Swarnakar, Dr. Shweta Choubey

Published on International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395 -0056 Volume: 03 Issue: 08 | Aug-2016 www.irjet.net p-ISSN: 2395-0072

10. Defluoridation of Water by Various Technique- A Review

Arvind Kumar Swarnakar, Dr. Shweta Choubey, Dr. Santosh K. Sar

Published on International Journal of Innovative Research in Science, Engineering and Technology (An ISO 3297: 2007 Certified Organization) Vol. 5, Issue 7, July 2016 ISSN (Online): 2319-8753, ISSN (Print) : 2347-6710

11. Assessment of water quality parameters : A Review

Published on International Education and Research Journal E-ISSN No 2454-9916 , Volume 4, issue 11 November 2018.

12. A Review on Heavy Metals used by Plants through Phytoremediation

Published on IJRAR(www.ijrar.org) E ISSN No 2348-1269, P-ISSN No 2349-5138, Volume 5. Issue 04, October 2018.

13. Effect on Human Health due to Drinking water contaminant with Heavy Metals - A Review

IJRAR www.ijrar.org (E-ISSN 2348-1269, P- ISSN 2349-5138) E-ISSN No 2349-5138, P-ISSN No. 2349-5138, Volume 5, issue 4, November 2018 pg 1-10

14. “The curative effects of an edible plant fruit biomass in biosorptive removal of Arsenic”

Paper presented and published on 106th Indian Science Congress on Future India: Science & Technology from 3rd January to 7th January 2019 at Phagwara Jalandhar Panjab.

National Journal = 03

1. Nanoscience and Nanotechnology: The Present and Future Aspects.

Published on National Journal of Vasundhara – The Earth ISSN No.– 0973-595, vol. 3 (1) Jan (2009), 31-39.

2. Biosorptive Removal of Iron from Mining and Industrial Effluents

Published on national Journal of Vasundhara – The Earth ISSN No.– 0973-595, vol. 3 (1) Jan (2009), 4-9.

3. Removal of Arsenic from Waste Water Using Biosorption - A Review

Published on A national research journal of science, Engineering, Technology and Policy with special reference to Environment Vasundhara: The Earth ISSN No. 0973-595X, vol. 4 June (2012), 70-84.

BOOK/MONOGRAPH PUBLISHED =03

1. **“A Text book of Environment and Ecology”** Published under Dhanpat Rai & Co Pvt (Ltd) New Delhi, India ISBN No. 978-81-7700-025-2.

2. Biosorption –An Eco Friendly Technique for the Removal of Heavy Metals”

Under LAMBERT Academic Publishing ist ein Imprint der/ is a trade mark of OmniScriptum GmbH & CO.KG, Verlag, Germany ISBN 978-3-659-52627-5

3. **Applied Chemistry** under Jainam Publication Bhilai, Chhatisgarh India (As per C.S.V.T.U. Syllabus) (Question Answer pattern Bank)

Papers published in International and National Conferences / Seminars

International Conference 15

1. **Biosorptive removal of Cadmium from contaminated groundwater and industrial Effluents**, Pandey, P., Verma, S., Choubey, S., Pandey, M., Chandrashekhar, K., Proceedings International Conference on Ground water for sustainable Development (IGC-2006), Royal Institute of Technology Sweden and Jawaharlal Nehru University, 1–4th Feb., 2006, New Delhi (Full length, under publication as book, abstract enclosed).
2. **Bioremoval of Ni(II) From Waste Water And Industrial Effluent By Adsorption Technique Using Plant Biomass**
Shweta Choubey, paper presented in 47th Annual Convention of Chemist-2010 and International Conference on Recent Advances in Chemical Sciences organized by Indian Chemical Society and Co sponsored by DST, CSIR, and UGC at Pt. Ravi Shankar Shukla University Raipur on 23rd -27th December 2010.
3. **Conversion of Mechanically segregated Municipal Solid Waste into Organic Fertilizer – A review**
Shweta Choubey, Neha Pandey. Paper presented and published in proceeding in an International conference Transilience 2012 held on 21st -23rd June 2012 at SSITM Bhilai C.G.
4. **Conversion of Energy through Reclamation Of Waste Lubricating Oils Generated at Various units of Bhilai Steel Plant.**
Shweta Choubey, S.L. Singh., Paper presented and published in proceeding in an International conference Transilience 2012 held on 21st -23rd June 2012 at SSITM Bhilai C.G.
5. **Role of communication in effective teaching in present scenario**
Paper presented and published in an international seminar on Dynamics of 21st Century Communication, Organised by Department of education Swami Shri Swaroopanand Saraswati Mahavidyalaya, sponsored by Public Relation Department of Chhattisgarh Govt. During 19-20th December 2012.
6. **Valuable Black gold as a result of utilization of municipal solid waste**

Published and presented in an International Conference on Emerging Challenges and Issues in Environmental Protection sponsored by Chhattisgarh Council of Science and Technology (CGCOST) organised by Department of Chemistry and Biotechnology Raipur Institute of Technology Raipur, held on 23th -24th January 2014.

7. Hazardous Chemical Present in Batteries and their Impact on Environment and Human

Arvind Swarnakar, Shweta Choubey,

Published and presented in an International Conference on Advanced Research Applications in Engineering and Technology Organised by Rungta Group of Institutions Bhilai-Raipur, held on 23th -24th March 2014.

8. Characteristics, Chemistry and recirculation of landfill Leachate: A Review

Shweta Choubey, Neha Pandey, Published and presented in an International Conference on Advanced in Chemical Engineering Organised by Department of Chemical Engineering National Institute of Technology Raipur, CG. held on 5th - 6th April 2013.

9. Biomedical Waste Management in Hospitals – An Emerging Issue

Published and presented in an International Conference on Status of science & Technology in Chhattisgarh State Organised by Bhilai Institute of Technology Durg C.G. Sponsored by CGCOST, Raipur C.G.

10. Adsorbents as low cost alternative for the removal of Ni(II) and Cr(VI) from aqueous solution –a review

Published and presented in an International Conference on Recent Trends in Science and Engineering Organised by Department of Chemistry and Physics by Govt. V.Y.T. PG. Autonomous College Durg CG. held on 15th -16th January 2016.

11. Study of water quality by the assessment of Physicochemical Parameters of Kabir Nagar Raipur, Chhattisgarh.

Shweta Choubey, Arvind Swarnakar, Rakesh Kumar Sharma

Published and presented in an International Conference on Recent Trends in Science and Engineering Organised by Department of Chemistry and Physics by Govt. V.Y.T. PG. Autonomous College Durg CG. held on 15th -16th January 2016.

12. Separation of Ni(II) and Cr(VI) from the binary Mixture Aqueous Solution by Column Sorption Technique Using Biosorption

Paper presented and published on 1st ASIAN conference on “Water and Land Management for Food and Livelihood Security, organised by Indira Gandhi Krishi

Vishwavidyalaya Raipur C.G and Soil Conservation Society of India New Delhi India held on 20-22th January 2017 at Indira Gandhi Krishi Vishwavidyalaya Raipur C.G.

13. Removal of Heavy metal toxicity through biosorption method

On International Conference on ' Advantages in chemical Sciences and allied fields of Science, Health, Education, & Environment organized by Carrer College Bhopal on 8th to 10th March 2018.

14. The curative effects of an edible plant fruit biomass in biosorptive removal of Arsenic Presented in the **Environmental Sciences Section on 106th Indian Science Congress on Future India: Science & Technology** from 3rd January to 7th January 2019 at Phagwara Jalandhar Panjab.

15. Water quality assessment of physiochemical parameters & Heavy metal contamination in surface water of Jonk river, Kasdol area Chhattisgarh Presented and published on International Conference on Crystal Engineering: from Molecule to Crystal. Organised by the Department of Chemistry National Institute of Technology Raipur on 30th and 31st March 2019.

National Conference and Seminar =

- 1. Maintaining Ecological Balance for a Clean and Green Chhattisgarh,** Choubey, S., National Seminar on Environmental Pollution, Bhilai Institute of Technology, Durg, CG. 7th October 2004.
- 2. Newly developed adsorbent for Arsenic removal from Drinking Water** A National Conference BITCON held at Bhilai Institute of Technology Durg from 16th to 17th March 2007.
- 3. Biosorptive Technique for Iron removal From Industrial Effluents and Ground Water: - A** National Conference BITCON held at Bhilai Institute of Technology Durg from 16th to 17th March 2007.
- 4. Biosorption Technology: Past and Present Aspects for Removal of Toxic Metal: - A** National Conference BITCON held at Bhilai Institute of Technology Durg from 16th to 17th March 2007.
- 5. Adsorption studies on a novel plant biomass – Removal and recovery of Ni (II) from Waste Water: - A** National level Technical Conference **TECHNOVISION** held at Shri Shankaracharya College of Engineering and Technology Bhilai from 26Th to 27th October 2007.
- 6. Nanoscience and Nanotechnology: The Present and Future Aspects.**

7. A National level Technical Conference **TECHNOVISION** held at Shri Shankaracharya College of Engineering and Technology Bhilai from 26TH to 27TH October 2007
8. **Arsenic Removal From water/Wastewater using Adsorbents – A Critical Review:** - National conference on Modern Trends in Environmental Science & Engineering Organized by Department of Engineering Chemistry & Centre for Environmental Science & Engineering Bhilai Institute of Technology Durg, held on 7th -8th November 2008.
9. **A Study of Ground Water Contamination and the Attenuation Method Of Various Contamination:** - National conference on Modern Trends in Environmental Science & Engineering Organized by Department of Engineering Chemistry & Centre for Environmental Science & Engineering, Bhilai Institute of Technology Durg, held on 7th -8th November 2008.
10. **Nanotechnology and Biomedical Sciences: Review of Current Concepts on Convergence of Nanotechnology with Biology:** - National Seminar on Advances in Environmental Science & Engineering Sponsored by AICTE during 8th -9th January 2009 at B.I.T. Durg.
11. **Biosorption : an Eco friendly Alternative for heavy metal removal :-**
12. A National seminar on “Environmental Science and its Application towards water Treatment”. Sponsored by All India Council for Technical Education, New Delhi, 15th -16th July 2010 at Department of Applied Chemistry and Centre for Environmental Science and Engineering, BIT, Durg.
13. **Climate change and its effects on biodiversity**
UGC Sponsored National conference on Climate Change and its Effects on biodiversity organized by Department of Biotechnology & Microbiology Bhilai Mahila Mahavidyalaya, Bhilai on 5-6th February 2011.
14. **Removal of Arsenic from Wastewater Using Biosorbent –A Review.**
UGC Sponsored National Seminar on “Effects of Pollution on Global Health” on 11th -12th November 2011 organised by Department of Chemistry, Shri Shankaracharya Mahavidyalaya Sector 6, Bhilai C.G.
15. **Role of E Waste Management for Integrated Development of Towns as Growth Centre.**

27th National Convention of Civil Engineering & National Seminar on Integrated Development of Towns as Growth Centres, 15th -16th October 2011, organized by The Institution of Engineers (INDIA) Chhattisgarh State Centre, Raipur.

16. Solid waste Management in India

27th National Convention of Civil Engineering & National Seminar on Integrated Development of Towns as Growth Centres, 15th -16th October 2011, organized by The Institution of Engineers (INDIA) Chhattisgarh State Centre, Raipur.

17. A Case Study- Plant Biomass as Favorable Material for Water Handling

Dr. Swati Sarwa^{1*} Dr. Shweta Choubey² Dr. Piyush Kumar³

Presented and published in the **NATIONAL CONFERENCE** on “**Multidisciplinary Research Ideas in Science, Engineering and Management**” during **22nd - 23rd October 2021** organized by Department of Applied Chemistry, Bhilai Institute of Technology, Durg Chhattisgarh.

18. E waste- Its Impact on Environment and Recycling

UGC Sponsored National Seminar on “Effects of Pollution on Global Health” on 11-12th November 2011 organised by Department of Chemistry Shri Shankaracharya Mahavidyalaya Sector 6 Bhilai C.G.

19. Minimization Of hazardous Waste by Different Technique and Their Management – An Overview.

Presented in National Seminar on Recent Trends In Chemical Research: Challenges Ahead” organized by Department of Chemistry and Applied Chemistry held on 30th -31st March 2012 at Guru Ghansidas Vishwavidyalaya, Bilaspur, C.G.

20. “Developing uses for Sugar-cane Bagasse and its Ash, in Chhattisgarh, India”- A Review

Arvind Kumar Swarnakar, Jai Kumar Sao, Dr. Shweta Choubey

Published on proceedings and presented paper in a National Conference on Advances in Pollution Control and Remediation , organized by the Department of Applied Chemistry , Bhilai institute of Technology Durg held on 20th-21th February 2015.

21. Role of Aquifer Information System and Water Quality Index to Assess Ground Water Quality in and around Chhattisgarh Durg District

Dr. Shweta Choubey, Rakesh kumar Sharma

Published on proceedings and presented paper in a National Conference on Advances in Pollution Control and Remediation, organized by the Department of Applied Chemistry, Bhilai Institute of Technology Durg held on 20th-21th February 2015.

22. A Study on the Effects of Source Separated Municipal Solid Waste Compost on the Properties of Soil in Bhilai C.G.

Shweta Choubey, Ajay Nath

Published on proceedings and presented paper in a National Conference on Degradation Parameters due to Rapid Industrialization in Chhattisgarh State and its Impact on Human Health and Environmental Condition, Organized by the Department of P.G. Studies & Research in Chemistry, T.C.I. Govt. P.G. College Janjgir C.G. Sponsored by University Grants Commission, Central Regional Office Bhopal M.P. held on 18th-19th January 2016.

23. Analysis of Physicochemical Parameters for water quality – a review.

Dr. Shweta Choubey, Arvind Swarnakar, Rakesh Kumar Sharma

Published on proceedings and presented paper in a National Conference on Current Environmental Issues and Sustainable Development, Organized by the Department of Applied Chemistry, Bhilai Institute of Technology Durg held on 29th-30th January 2016.

24. Report Based on Hazardous Chemical Present in Batteries and their Impact on Environment- A Literature Review

Presented under the theme of Clean and Green Technology All India Conference AICON, organized by the Department of Engineering Physics CSIT, Durg on 22-23 April 2016.

25. “Green Techniques in Building Construction”

Mrigendra Kumar, Shweta Choubey, Santosh Kumar, Nitish kr. Gupta, Rina Kumari

Paper presented and published on A National Seminar on “Current status of Environmental Science in Chhattisgarh State” was organized by the Department of Chemistry Bhilai Mahila Mahavidyalaya, Bhilai, sponsored by Chhattisgarh Environment Conservation Board, Raipur, from 30th November to 1st December 2017.

26. A REVIEW ON Heavy Metals Used by Plants through Phytoremediation

Paper presented and published on National Conference on Recent Advances in Chemical Analysis (RACA – 2017) organised by Department of Chemistry NIT Raipur sponsored by Technical Education of quality Improvement Programme (TEQIP III) during 14th September 2017.

27. Toxic Blanket photo Smog – Causes and Effects

Paper presented and published on A National Seminar on “Current status of Environmental Science in Chhattisgarh State” was organized by the Department of Chemistry Bhilai Mahila Mahavidyalaya, Bhilai, sponsored by Chhattisgarh Environment Conservation Board, Raipur, from 30th November to 1st December 2017.

28. Effect on Human Health due to Drinking Water Contaminated with Heavy Metals

A review Paper presented and published on a workshop on “Ground water Management and its issues in Chhattisgarh” Central Ground Water Board, North Central Chhattisgarh Resion Ministry of Water Resources, River Development & Ganga Rejuvenation, during 17th January 2018

29. A case study in water quality in various area and different parameter

National seminar on progressive research in biology & Chemical Sciences (NSPRBCS) “BIO-CHEM 2018” organized by MATS School of Biology & Chemical Sciences on 24th and 25th August 2018.

30. Biosorption as Tool for Environmental Importance and Significance for Pollution Treatment

Paper published in a proceeding of a workshop on “Ground water Management and its issues in Chhattisgarh” Central Ground Water Board, North Central Chhattisgarh Resion Ministry of Water Resources, River Development & Ganga Rejuvenation, during 17th January 2018.

31. Problem in the assessment of Heavy Metal Level in Esturies and the formation of a pollution Index –A Review.

2nd National Conference on Advances in Environmental & Chemical Science on 22nd and 23rd March 2018 Organised by the

32. A Case Study- Plant Biomass as Favorable Material for Water Handling

Presented and published in the **NATIONAL CONFERENCE** on “**Multidisciplinary Research Ideas in Science, Engineering and**

Management” during 22nd - 23rd October 2021 organized by Department of Applied Chemistry, Bhilai Institute of Technology, Durg Chhattisgarh.

PhD THESIS AWARDED		1
1	NAME OF CANDIDATE _ Mrs SWATI SARWA NAME OF SUPERVISOR - Dr PIYUSH KUMAR THAKUR (Faculty MATs University) NAME OF CO-SUPERVISOR-Dr SHWETA CHOUBEY (Faculty Government Engineering College Raipur CG) Titled “ ASSISMENTS OF HEAVY METALS CONTAMINATION OF JOKE RIVER IN KASDOL AREA OF CHHATTISGARH Awarded Doctorate of Philosophy of MAT’S UNIVERSITY RAIPUR Date of registration- 19-11-2016 Date of Notification- 8-06-2021	AWARDED
Ph.D /M.E. THESIS EVALUATED		3
M.E. Thesis Guided		12 (MTech Project awarded)

CONFERENCES /WORKSHOP/FDP/ SSTP ATTENDED

STAFF DEVELOPMENT PROGRAMME =22

1. A.I.C.T.E **sponsored Staff Development Programme** on Trends of Antidepressant Drugs in science & Technology organized by Department of Engineering Chemistry & Centre for Environmental Science and Engineering, B.I.T. Durg held on 5th 18th July 2007.

2. Two **week ISTE Workshop** on Pedagogy for Effective Use of ICT in Engineering Education organised by Indian Institute of Technology (IIT) Bombay held on 5th January to 21st January 2015.
3. **International Faculty Development Program** on “**Research and Teaching Methology**” held from 5th July to 11th July 2021 organised by the Depaertmenr of Chemistryand Department of Biotechnology Govt. V.Y.T. PG Autonomous college Durg CG
4. **FDP** on “**Innovative Technical Educational Practices and academic Leadership**” from 07/02/2022 to 11/02/2022 at Shri Shankaracharya Technical Campus, Bhilai under AICTE Training and Learning (ATAL) Academy
5. **AICTE Training And Learning (ATAL) Academy** Online Elementary **FDP** on “**Technological Innovation of Artificial Intelligence in Medical Diagnostics**” from 06/12/2021 to 10/12/2021 at Shri Shankaracharya Technical Campus Bhilai. under AICTE Training and Learning (ATAL) Academy
6. **AICTE-ISTE approved Refresher/orientation programme on “ Cyber Security and Autonomy”** from 10-1-22 to 15-01-2022 organised by Shri Shankaracharya Technical Campus, Bhilai
7. **one-week workshop** on “**Energy Conservation, Efficiency & Sustainability**” organized by School of Renewable Energy & Efficiency, National Institute of Technology Kurukshetra in association with Bureau of Energy Efficiency, New & Renewable Energy Deptt. & Haryana Renewable Energy Development Agency held from 13th- 17th December 2021 at NIT Kurukshetra.
8. Participating in National level Webinar on “**Writing and Evaluation of Scientific Research Articles**” organized by organised by Research Promotion cell, Seth Kesarimal College of Aerts, Science and Commerece, Kamptee & Department of Chemistry, Taywade College, Mahadula-Koradi on 3st July 2021
9. Participating in Webinar organized by the IEI , Bhilai Local Center, Chhattisgarh on topic “Transition to Green Energy in India : Opportunities and Challenges” delivered by Dr R.N.Patel, on the occasion of the World Energy Conservation Day on 18th December , 2021
10. IP Awareness/Training program under National **Intellual Property Property Awareness Mission** on 1st February 2022, organised by Intlual Property Office, India, under Government of India, Ministry of commerce and IndustryDepartment of

Promotion and Industry trade, Office of Controller General Patents Design and Trades (NIPAM)

11. IP Awareness/Training program under National **Intellectual Property Awareness Mission** on 25th January 2022, organised by Intellectual Property Office, India, under Government of India, Ministry of commerce and Industry Department for Promotion and Industry trade, Office of Controller General Patents Design and Trades (NIPAM)
12. IUPAC International Webinar on Empowering Diversity in Science GWB-2022 organized by the Department of Chemistry, Kamla Nehru Mahavidyalaya, Nagpur and International Research Centre and Department of Chemistry, Kalasalingam Academy of Research and Education, Krishnankoil In Association with Association of Chemistry Teachers (ACT), Mumbai (C/o Homi Bhaba Centre for Science Education,(TIFR), Mumbai in Collaboration with IUPAC, Global Woman Breakfast held on 16th February, 2022

WORKSHOP ATTENDED (INTERNATIONAL, NATIONAL) 22

1. National Workshop on Environmental Awareness Dated 6th October 2004. Sponsored by All India Council for Technical Education, New Delhi and Chhattisgarh Council of Science Technology, Raipur, at BIT DURG.
2. Two-Day workshop on “Education Psychology” held on 16th – 17th July 2005, at CSIT, DURG.
3. National Workshop On Sensor Instrumentation for Industrial & Environmental Pollution Monitoring held at Bhilai from 5th -7th June 2006. Organized by Nano Technology Core Group, Chhattisgarh Swami Vivekanand Technical University, Bhilai (CG).
4. Workshop on Foundations of Chemistry held on 7th to 9th March 2008. Organised by IAS Bangalore, INSA New Delhi, and NAS Allahabad at Department of Chemistry Govt. V.Y.T. PG. Autonomous College Durg (C.G.).

5. National Workshop on “New Trend and Technique in Environmental Protection” organized by the Department of Basic Sciences & Engineering held at RCET Bhilai on 11th and 12th December 2009.
6. A workshop on “Water Quality Management” organised by the Central Ground Water Board, Ministry of Water Resources, Govt. of India., North central Chhattisgarh Region on 22nd January 2010 at Raipur.
7. A Workshop on “Pollution of Ground Water Around Industrial Clusters: Mitigation and Management” organised by the Central Ground Water Board Ministry of Water Resources, Govt. of India, North Central Chhattisgarh Region on 23rd February 2011 at Raipur.
8. A National Workshop on “Emerging Trends of Chemicals in Human Life” was organized by the Department of Chemistry Govt. Dr. W.W. Patankar Girls PG. College Durg, sponsored by UGC, C.R.O Bhopal, was held on 6-02-2017.
9. **Workshop on** “Intellectual Property Right” held on 26th -27th February 2012 at Department of Management, conducted by Ministry of Micro, Small and Medium Enterprises DI, Raipur in association with Bhilai Institute of Technology, Durg.
10. A National **Workshop** on “Emerging Trends of Chemicals in Human Life” was organized by the Department of Chemistry Govt. Dr. W.W. Patankar Girls P.G. College Durg, sponsored by UGC, C.R.O Bhopal, was held on 6-02-2017.
11. **A three days workshop** on “Faculty-Mentors on Induction Programme for New Students” was organized by Government Engineering College Raipur in association with National Project Implementation Unit (NPIU), Delhi during 4th to 6th September 2017 under TEQIP III.
12. Under TEQIP III one day Orientation workshop on SAL organized by NPIU at AICTE New Delhi on 11th November 2017

13. Expert talk of Director ISHRAE on the topic “**Green Building**” held on 24th October 2018 on the occasion of opening ceremony of student Chapter on Indian Society of Heating Refrigeration and Air Conditioning
14. Two Days workshop on “**Start up Conclave**” under TEQIP III at GEC Raipur held on 15th and 16th November 2018.
15. Two days Workshop on “**Research Methodology for Faculty Members**” at GEC Raipur organized under TEQIP III held on 25th and 26th September 2018.
16. One day Workshop on “**Digital Factory**” Expert lecture by Director of SIEMENS Industry software and MATLAB Technology, organized under TEQIP III on 26th July 2018.
17. THREE DAYS workshop on “**Faculty Development program for student Induction**” organized by the Institute of Management, Pt. Ravishankar Shukla University Raipur held on 12th January to 14th January 2019.
18. A Workshop on Security Analysis of Software System & Networks was organized by Shri Shankaracharya Technical Campus Bhilai & Chhattisgarh Swami Vivekanand Technical University Bhilai, Sponsored by TEQIP III. On 2nd February 2019
19. Two days workshop on “**Virtual Lab Programme**” attended at GEC Raipur jointly organized by IIT Bhilai and GEC Raipur on 26th and 27th March 2019.
20. One day workshop on “**Fire and General Safety**” by Institution of Safety Engineer (India) fire safety at GEC Raipur held on 30-1-2019.
21. **One day Industrial Meet** organized by GEC Raipur held on 28th and 29th March 2019.
22. One day **workshop** AICTE 7th November 2019. GEC Raipur

SEMINAR AND CONFERENCE ATTENDED (INTERNATIONAL) 10

1. 47th Annual Convention of Chemist and an International Conference on Recent Advances in Chemical Sciences held on 23rd -27th December 2010 at Pt. Ravi Shankar Shukla University, Raipur, C.G. organized by The Indian Chemical Society Kolkata.

2. International Conference on Technology- Enabled Organizational Transformation (TRANSILIENCE-2012) Organised by Shri Shankaracharya Technical Campus – SSITM, Oon 21-23rd June 2012.
3. International seminar on Dynamics of 21st Century Communication, Organised by Department of education Swami Shri Swaroopanand Saraswati Mahavidyalaya, sponsored by Public Relation Department of Chhattisgarh Govt. During 19-20th December 2012.
4. International Conference on Advanced in Chemical Engineering Organised by Department of Chemical Engineering National Institute of Technology Raipur, CG. held on 5th -6th April 2013.
5. International Conference on Emerging Challenges and Issues in Environmental Protectionsponsored by Chhattisgarh Council of Science and Technology (CGCOST) organised by Department of Chemistry and Biotechnology Raipur Institute of Technology Raipur, held on 23th -24th January 2014.
6. International Conference on Advanced Research Applications in Engineering and Technology Organised by Rungta Group of Institutions Bhilai-Raipur, held on 23th -24th March 2014.
7. International Conference on Status of Science& Technology in Chhattisgarh State sponsored by CGCOST , held during 19-20th March 2015, at Bhilai Institute of Technology Durg.
8. An International Conference on Recent Trends in Science and Engineering Organised by Department of Chemistry and Physics by Govt. V.Y.T. PG. Autonomous College Durg CG. held on 15th -16th January 2016.
9. 1st ASIAN conference on “Water and Land Management for Food and Livelihood Security , organised by Indira Gandhi Krishi Vishwavidyalaya Raipur C.G and Soil Conservation Society of India New Delhi India held on 20-22th January 2017 at Indira Gandhi Krishi Vishwavidyalaya Raipur C.G.
10. 106th Indian Science Congress on “Future India: Science & Technology” from 3rd January to 7th January 2019 at Lovely Professional University, Phagwara, Jalandhar Punjab.

1. National Seminar on Environmental Pollution with Special Emphasis on Pesticides (NSCEP), 28th –29th January 99, at Govt. D.B. Girls P.G. college Raipur.
2. National Seminar on Environmental Pollution Dated 7th October 2004 sponsored by All India Council for Technical Education, New Delhi and Chhattisgarh Council of Science & Technology, Raipur, at BIT DURG.
3. National Symposium on Fundamental and Analytical Aspects of Organizing Systems organized by Department of Chemistry Kalyan Mahavidyalay, Bhilai Nagar, Durg in Collaboration with Indian Society for Surface Science and Technology, Jadavpur University, Kolkata. 8th -10th March 2007.
4. National conference on Environmental Challenges and The Remedial Techniques organised by Department of Engineering Chemistry & Centre for Environmental Science and Engineering Bhilai Institute of Technology, Durg held on 16th -17th March 2007.
5. National conference Technovision 2007 organised by the Department of Chemistry SSCET Bhilai, on 26th -27th October 2007.
6. National Conference on Advance Material and Nanotechnology (NCAMN-2008) Organized by Rungta College of Engineering and Technology Durg sponsored by Chhattisgarh Council of Science and Technology (CGCOST) 30th -31st March 2008.
7. National conference on Modern Trends in Environmental Science and Engineering organised by Department of Engineering Chemistry & Centre for Environmental Science and Engineering Bhilai Institute of Technology, Durg held on 7th -8th November 2008.
8. National Seminar on Advances in Environmental Science & Engineering organised by Department of Engineering Chemistry & Centre for Environmental

Science and Engineering, Bhilai Institute of Technology, Durg held on 8th-9th January 2009.

9. Awareness Programme on Green Building Practices organized by the Department of Civil Engineering held at BIT Durg on 5th - 6th November 2009.
10. National Seminar on Advances in Environmental Science & Engineering organised by Department of Engineering Chemistry & Centre for Environmental Science and Engineering, Bhilai Institute of Technology, Durg during held on 8th - 9th January 2009.
11. A National Seminar on "Environmental Science and its Application towards Water Treatment" sponsored by All India Council for Technical Education, New Delhi, 15th -16th July 2010 at Department of Applied Chemistry and Centre for Environmental Science and Engineering, BIT DURG.
12. National Seminar on Progressive Assessments of Green Chemistry in Recent developments organised by the Department of Chemistry, St. Thomas College Bhilai on 11th January 2010.
13. UGC Sponsored National Conference on Current Trends in Material Sciences organised by Bhilai Mahila Mahavidyalay Bhilai held on 5th -6th February 2010.
14. UGC Sposored National seminar on Recent Trends in Chemical Sciences And Future Prospects organised by Department of Chemistry Govt. V.Y.T. Autonomous College, Durg on 11th -12th October 2011.
15. National Seminar on Effects of Pollution on Global Health organised by the Department of Chemistry Shri Shankaracharya Mahavidyalay Bhilai on 11-12th November 2011.
16. 27th National Convention of Civil Engineering Division on Integrated Development of Towns as Growth Centres organised by The Institution of Engineers (INDIA), at Raipur on 15th -16th October 2011.

17. National Conference on Advances in Pollution Control and Remediation organized by the Department of Applied Chemistry Bhilai Institute Of Technology, Durg C.G. (BITCON 2015) held on 20 – 21 February 2015.
18. National Conference on Current Environmental Issues and Sustainable Development organized by the Department of Applied Chemistry Bhilai Institute Of Technology, Durg C.G. (BITCON 2016) held on 29 – 30th January 2016
19. National Conference (All India Conference AICON) on “Clean and Green Technology”, organized by the Department of Engineering Physics CSIT, Durg on 22-23 April 2016.
20. UGC Sponsored National Seminar on “Effects of Pollution on Global Health” on 11-12th November 2011 organised by Department of Chemistry Shri Shankaracharya Mahavidyalaya Sector 6 Bhilai C.G.
21. National Seminar on Recent Trends In Chemical Research: Challenges Ahead” organized by Department of Chemistry and Applied Chemistry held on 30th -31st March 2012 at Guru Ghansidas Vishwavidyalaya, Bilaspur, C.G.
22. National Conference on Advances in Pollution Control and Remediation , organized by the Department of Applied Chemistry , Bhilai institutre of Technology Durg held on 20th-21th February 2015.
23. National Conference on Advances in Pollution Control and Remediation , organized by the Department of Applied Chemistry , Bhilai institutre of Technology Durg held on 20th-21th February 2015
24. A National Conference on Degradation Pasrameters due to Rap[idi Industrialization in Chhattisgarh State and its Impact on Human Health and Environmental Condition, Organized by the Department of P.G. Studies & Research in Chemistry, T.C.I. Govt. P.G. College janjgir C.G. Sponsored by University Grants Commission, Central Reigional Office Bhopal M.P. held on 18th-19th January 2016.

25. A National Conference on Current Environmental Issues and Sustainable Development, Organized by the Department of Applied Chemistry, Bhilai institutre of Technology Durg held on 29th-30th January 2016.
26. Under the theme of Clean and Green Technology All India Conference AICON, organized by the Department of Engineering Physics CSIT, Durg on 22-23 April 2016.
27. A National Seminar on “Current status of Environmental Science in Chhattisgarh State” was organized by the Department of Chemistry Bhilai Mahila Mahavidyalaya, Bhilai, sponsored by Chhattisgarh Environment Conservation Board, Raipur, from 30th November to 1st December 2017.
28. A National Conference on Recent Advances in Chemical Analysis (RACA – 2017) organised by Department of Chemistry NIT Raipur sponsored by Technical Education of quality Improvement Programme (TEQIP III) during 14th September 2017.
29. A National Seminar on “Current status of Environmental Science in Chhattisgarh State” was organized by the Department of Chemistry Bhilai Mahila Mahavidyalaya, Bhilai, sponsored by Chhattisgarh Environment Conservation Board, Raipur, from 30th November to 1st December 2017.
30. A workshop on “Ground water Management and its issues in Chhattisgarh” Central Ground Water Board, North Central Chhattisgarh Resion Ministry of Water Resources, River Development & Ganga Rejuvenation, during 17th January 2018
31. International Conference on ‘ Advantages in chemical Sciences and allied fields of Science, Health, Education, & Environment organized by Carrer College Bhopal on 8th to 10th March 2018.

32. National seminar on progressive research in biology & Chemical Sciences (NSPRBCS) "BIO-CHEM 2018" organized by MATS School of Biology & Chemical Sciences on 24th and 25th August 2018.
33. National workshop on "Ground water Management and its issues in Chhattisgarh" Central Ground Water Board, North Central Chhattisgarh Resion Ministry of Water Resources, River Development & Ganga Rejuvenation, during 17th January 2018.
34. 2nd National Conference on Advances in Environmental & Chemical Science on 22nd and 23rd March 2018
35. NATIONAL CONFERENCE on "Multidisciplinary Research Ideas in Science, Engineering and Management" during 22nd - 23rd October 2021 organized by Department of Applied Chemistry, Bhilai Institute of Technology, Durg Chhattisgarh.
36. National Level Webinar on "Advanced Multi-Functional Materials Emphasis on Nano Materials "organized by the Department of Science and Humanities, Akshaya College of Engineering and Technology, Coimbatore in association with Institution's Innovation Council (IIC) & Internal Quality Assurance Cell (IQAC) on 18th February, 2022. Certificate ID: PHLY8A-CE000024.
37. Participating in National level Webinar on "Writing and Evaluation of Scientific Research Articles" organized by organised by Research Promotion cell, Seth Kesarimal College of Aerts, Science and Commerece, Kamptee & Department of Chemistry, Taywade College, Mahadula-Koradi on 3st July 2021.

Details of Online Webinar/FDP attended (April 2020 to March 2021)

FDP/Short Tem training program -17

Webinar/seminar/symposium International -01

Webinar/seminar/symposium National -37

S.No.	Date	Topic of FDP/Webinar	Name of organizing Institute/Organization

1	22 nd MAY'20	on "IEEE 802.11 and Building Wireless Community Networks"	organized by IEEE STANDARDS ASSOCIATION & MHRD PMMMNMTT FDC, Shivaji University, Kolhapur
2	23 rd May 20	online training of the "IEEE Xplore Digital Library"	conducted at Government College of Engineering - Raipur
3	5-7 th JUNE'20	Three Days International webinar on Post COVID 19 World Environment : Prospects and Challenges for Sustainable Development	Department of Chemistry & Geology , Govt VYT PG Autonomous College Durg, Chhattisgarh
4	8 th JUNE '20	On Art and Challenges of Writing Papers on IEEE	IEEE Bangalore Section
5	11 th JUNE '20	Webinar on Gender Equality, Women Empoerment & Women Rights	Organised by Vishwavidyalay Engineering College Lakhanpur In association with SPIU Chhattisgarh UNDER TEQUIP III
6	14 th JUNE'20	3D Printing and its Application in New Era	Department of Mechanical Engineering SSTC SSGI Bhilai, Durg Chhattisgrah
7	16 th JUNE 2020	International SAGE TALK on How to write a Research Paper	organized by Department of Computer Science and Engineering, Sagar Institute of Research & Technology, Bhopal
8	17 th -19 th JUNE '20	3 Days Faculty Development Program on Smart Application Development using IOT- ARDUINO	Vaageswari College of Engineering in Association with PENTECH e- Learning
9	18 th JUNE'20	2 hrs Webinar on "Future of Education post COVID"	by Prof Rajendra P Gupta, Former member of the National Education Policy Committee, Govt of India. McGraw-Hill
10	19 th JUNE'20	2 hrs Webinar on IT Project: The Key	Bharti Vidhyapeet's Institute of Computer Applications and Management BVICAM, New

		Management Areas for Success	Delhi collaboration with ISTE Delhi Section, IETE Delhi Section, Sa Society, CSI, AICTE New Delhi, IEEE Delhi and Computer Society Delhi
11	20-21 st JUNE 2020	International webposium on Advances of Scientific Skill and Research	Organised by Faculty of Sciences RRPB College Amethi Uttar Pradesh, India
12	23 rd JUNE'20	Webinar on Big Data and Covid 19 : Technologies and Applications	by Anil Maheshwari, Professor of Information Systems at Maharishi International University, US. McGraw-Hill
13	24 th JUNE 20	On IPR Issues and Patenting	Organised by Department of Chemical Sciences, Maharaja Ranjit Singh College of Professional Sciences Indor MP
14	25 JUNE '20	The Importance of Gender Equality in Current Scenario	Govt. Engineering College Raipur C.G.
15	26 th JUNE 2020	Vulnerability Assessment Climate Change and COVID -19	Government of Gujarat Climate change department & Gujarat Energy Development Agency
16	30 th JUNE 2020	Webinar on Gender Equality & Women Rights	held at Chhattisgarh Swami Vivekanand Technical University, Bhilai, (C.G.) India under TEQIP-III
17	5 th JULY'20	webinar on 'Compute is shaping New Engineering'	The Institution of Engineers (India) Bareilly Local Centre
18	07 th JULY'20 5:00-6:30pm	Webinar on Evaluation of Java in 25 Years	By Dr Xavier Challadurai, Christ University, Bangalore McGraw-Hill
19	10 th JULY'20	Innovation in Climate change Adaptation and Mitigation	GOI Ministry of Environment, Forest and Climate Change, Government of Gujarat Climate change department & Gujarat Energy Development Agency
20	15 th JULY'20	Webinar on Government e - market	State Project Implementation Unit and hosted by GEC Bilaspur Under TEQIP-III

21	24 th July '20	1:30 hrs Faculty Learning Programme on The Future of Online Teaching in India - Challenges & Solutions	organised by Business Standard Learning in association with Great Learning
22	24 th JULY'20	Climate Change and Water Resource Management	Dhirubhai Ambai Institute of Information and Communication Technology Climate Change Department Government of Gujrat GEDA
23	27th – 31st JULY'20	One week FDP on One Week Capacity Building Workshop on “Outcome Based Education (OBE) and Accreditation Process	Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi Collaboration with ISTE Delhi Section, IETE Delhi Section, Safe Society, CSI, AICTE New Delhi , IEEE Delhi and Computer Society Delhi
24	On August 06, 2020 at 11:00 hrs	National Level Webinar On NIC CPP e-procurement (World Bank Tenders)	National Institute of Technology Srinagar by TEQIP III
25	14 August 2020 12-1:30	Climate Change Communication in Gujrat through Community Science Center	Member Scretary, Gujrat Council of Science and Technogy (GUJCOST), Climate Change Department Government of Gujrat GEDA
26	24th August 2020	Webinar on Ethics in Engineering Education	GEC Raipur under TEQIP III
27	28 August 2020 4e (12-1:30 pm)	Climate Adaptation of Venerable communities (12:00 -1:30pm)	Director GEER Foundation, Climate Change Department Government of Gujarat GEDA
28	28 August 2020 (6pm -7:30 pm)	Webinar on "How to Write Technical Books? (6:00pm -7:30pm)	Bharati Vidyapeeth's Institute of Computers Applications and Management (BVICAM)
29	1-5 September	One Week Online Faculty Development Programme	sponsored by AICTE Organised by Department of Chemistry, Engineering College Bikaner under

	2020	Online Faculty Development Programme on "Alternate Energy Resources	FDP scheme AICTE sponsored ATAL-
30	5th September 2020 (5:30 pm-8:30 pm)	Webinar on Research Methodology	Bharati Vidyapeeth's Institute of Computers Applications and Management (BVICAM)
31	10-12th September 2020	FDP on Achieving Academic Effectiness	CSVTU Bhilai CG & Indian Institute of Management Raipur CG
32	From 8-12 September 2020	an e-Faculty Development Program(e-FDP) on "Renewable Energy for Sustainable Development: Opportunities and Challenges " .	Department of Electrical and Electronics Engineering, Government Engineering College, Raipur Chhattisgarh.
33	11th September 2020(register ed)	Renewable energy transition in Gujrat	OSD , Gujrat Energy Development EAgency (CEDA), Climate Change Department Government of Gujarat
34	25th September 2020	Importance of Climate Change in Education System	Director Canter for Environmental Education, Climate Change Department Government of Gujarat
35	five days from 26/09/2020 to 30/09/2020	One Week Online Short-Term Training Program On "Emerging Trends in Chemical Sciences and its Application in Environment and Engineering".	Jabalpur Engineering College Jabalpur under TEQIPIII
36	Friday,	The Art of Writing	Bharati Vidyapeeth's Institute of Computers

	September 25, 2020	Research Papers	Applications and Management (BVICAM)
37	September 10-12, 2020	Online Training Programme on "Achieving Academic Effectiveness"	Indian Institute of Management collaboration with CSVTU Bhilai
38	September 26 – 30, 2020.	One Week Online Short Term Training Program on "Emerging trends in Chemical Sciences and its Applications in Environment and Engineering"	organized by Department of Applied Chemistry, Jabalpur
39	16 th , September 2020	World ozone day	Government of Gujarat, Climate Change Department and department of Science and Technology .
40	29th -30th October 2020	Role of Functional Nanomaterials in Combating COVID -19 Pandemic	Govt V.Y.T.PG. Autonomous college Durg Cg in association with the National Academy of Sciences, India (Mumbai Chapter)
41	18th to 22nd January 2021	Faculty Development Programme on Sustainable Technologies for Low-cost Drinking Water Production	Department of Basic Sciences and Humanities, PSIT-College of Engineering Kanpur sponsored by Dr A P J Abdul Kaalam Technical University
42	February 15, 2021	National Education Policy (NEP)-2020 for Technical Education	Government Engineering College Raipur CG sponsored under TEQIP III
43	23rd -24th November 2020	FDP On Transforming Lives with Experiential Learning	Government Engineering college Raipur TEQIP III
44	On August 06, 2020 at 11:00 hrs	National Level Webinar On NIC CPP e-procurement (World Bank	National Institute of Technology Srinagar by TEQIP III

		Tenders)	
45	12th August 20'20	Webinar of Energy Simulation for ECBC Compliance on Energy Conservation Building Code (ECBC)	Chhattisgarh State Renewable Energy Department Agency (CREDA) with the support of Bureau of Energy Efficiency (BEE), Government of India
46	14 August 2020 12-1:30	Climate Change Communication in Gujarat through Community Science Center	Member Secretary, Gujarat Council of Science and Technology (GUJCOST), Climate Change Department Government of Gujarat GEDA
47	24 th August 2020	Webinar on Ethics in Engineering Education	GEC Raipur under TEQIP III
	28 August 12-1:30	Climate Adaptation of Vulnerable communities (12:00 -1:30pm)	Director GEER Foundation, Climate Change Department Government of Gujarat GEDA
	28 Aug 6-7:30	Webinar on "How to Write Technical Books? (6:00pm -7:30pm)	BVICAM
	from 1-5 September 2020	One Week Online Faculty Development Programme on "Alternate Energy Resources	sponsored by AICTE Organised by Department of Chemistry, Engineering College Bikaner under FDP scheme AICTE Training and Learning (ATAL) Academy
	5 th September 2020 (5:30-8:30)	Webinar on Research Methodology	Bharati Vidyapeeth's Institute of Computers Applications and Management (BVICAM)
	From 8-12 September 250020	an e-Faculty Development Program(e-FDP) on "Renewable Energy for Sustainable Development: Opportunities and Challenges " .	Department of Electrical and Electronics Engineering, Government Engineering College, Raipur,
48	<u>September 25, 2020</u>	The Art of Writing Research Papers	Bharati Vidyapeeth's Institute of Computers Applications and Management (BVICAM)

49	September 10-12, 2020	Online Training Programme on "Achieving Academic Effectiveness"	Indian Institute of Management collaboration with CSVTU Bhilai
50	September 26 – 30, 2020.	One Week Online Short Term Training Program on "Emerging trends in Chemical Sciences and its Applications in Environment and Engineering"	organized by Department of Applied Chemistry, Jabalpur

SEMINAR/WORKSHOP/CONFERENCE ORGANIZED 16

1. National conference on Modern Trends in Environmental Science and Engineering organised by Department of Engineering Chemistry & Centre for Environmental Science and Engineering Bhilai Institute of Technology, Durg during held on 7-8th November 2008. In the capacity as member organising committee.
2. National Seminar on Advances in Environmental Science & Engineering organised by Department of Engineering Chemistry & Centre for Environmental Science and Engineering Bhilai Institute of Technology, Durg during held on 8-9th January 2009. In the capacity as member organising committee
3. A National seminar on "Environmental Science and its Application towards water Treatment". Sponsored by All India Council for technical Education, New Delhi, 15-16th July 2010 at Department of Applied Chemistry and Centre for Environmental Science and Engineering, BIT DURG. In the capacity as member organising committee.
4. Antar varshik Rashtriya Shodh Sangosthi 2013 on Academic Libraries: Problem & Prospects, organized by Department of Library Science Govt. M.M.R. PG. College Champa during 1-2nd Feb 2013 .In the capacity as member Advisory Committee.

5. National conference on Advances in Pollution Control and Remediation organised by Department of Engineering Chemistry Bhilai Institute of Technology, Durg during 20-21st February 2015. In the capacity as Organising Secretary.
6. National conference organised by Department of Engineering Chemistry Bhilai Institute of Technology, Durg during 29-30TH January 2016. In the capacity as Organising Secretary BITCON 1
7. As capacity of members of organizing A three days workshop on “Faculty-Mentors on Induction Programme for New Students” was organized by Government Engineering College Raipur in association with National Project Implementation Unit (NPIU), Delhi during 4th to 6th September 2017 under TEQIP III
8. One day workshop on “An Effective Interview Skills” Under TEQIP III was organized on 25th October 2018 at GC Raipur as convener.
9. Expert lecture on the topic “Motivation through Goal Settings “on 19th January 2019 at GEC Raipur .
10. Two days Workshop on “Research Methodology for Faculty Members” at GEC Raipur organized under TEQIP III held on 25th and 26th September 2018.
11. As coordinator Under TEQIP III Orientation workshop on SAL organized by NPIU
12. One day workshop on “An Effective Interview Skills” Under TEQIP III was organized on 25th October 2018 at GC Raipur as convener.
13. 21 days induction programme For BE First Year students 2019 from 29th July to 19th August 2019 at GEC Raipur.
14. 21 days induction programme For BE First Year students 2020 from 29th July to 19th August 2020 at GEC Raipur

List of Organized / Coordinated FDP/webinar

S.No.	Date	Topic of FDP/Webinar	Name of organizing Institute/Organization,	Remark
14	25th June 2020	one day National Webinar on "The Importance of Gender Equality in Present Scenario"	As the capacity of Convener & Chairman Internal Complaint Committee and Head of the Department , Department of Basic Sciences & Humanities Government Engineering College Raipur in association with SPIU Chhattisgarh UNDER TEQUIP III.	Successfully completed with more than 100 participants
15	23rd-24th November 2020	Two days online Faculty Development Programme on "Transforming Lives with Experiential Learning"	As the capacity of Convener and Head of the Department , Department of Basic Sciences & Humanities, Government Engineering College Raipur	Successfully completed with more than 69 participants
16	17 th -23rd Dec-ember 2020	7 days online "STUDENT INDUCTION PROGRAMME FOR FIRST YEAR STUDENTS FOR SESSION 2020-21, ALL INDIA COUNCIL FOR TECHNICAL EDUCATION NEW DELHI"	As the capacity of Program Coordinator and Head of the Department, Department of Basic Sciences & Humanities, Government Engineering College Raipur	Successfully completed with more than 209 participants

Achievement: Awards, Cash Prizes, etc

1. **Merit Scholarship** in Graduation Period.
2. **Best student** Award – 1998-99 as PG student.
3. **Shri Jitendra Nath Choudhary** Memorial Award 1998 –99.

4. **Cash prize** for the **research paper** “Biosorptive Removal of Ni(II) from Wastewater and Industrial Effluent” authored and published in international journal (Bioresource Technology) I during the year 2008.
5. **Cash prize** for the research paper “Biosorptive Removal of Arsenic from Drinking water” authored and published in international journal (Bioresource Technology) I during the year 2008.
6. **Cash prize** for the **research paper** “Nanoscience and Nanotechnology: The Present and Future Aspects. Published on national Journal of Vasundhara – The Earth ISSN – 0973- 595, vol. 3 (1) Jan (2009) , 31-39. During the year 2009.
7. **Cash prize** for the **research paper** “Biosorptive Removal of Iron from Mining and Industrial Effluents .Published on national Journal of Vasundhara – The Earth ISSN – 0973-595, vol. 3 (1) Jan (2009) 4-9. During the year 2009.
8. **Cash prize** for the **research paper** “Removal of Arsenic From Waste Water using Biosorption: A Review. Published on national Journal of Vasundhara – The Earth ISSN – 0973-595, vol. 4 June (2012) 70-83. During the year 2012.
9. **Shaktiswrupa award by Haribhumi on the occasion of international Women’s 8th March Day 2021**

MEMBER IN PROFESSIONAL BODY

1. **Life member in The Indian Science Congress Association .**
Membership number – L 14156
2. ISTE Life member Life Membership of THE INDIAN SOCIETY FOR TECHNICAL EDUCATION

As EXPERT TALK /CHIEF GUEST/ INVITED TALK/CHAired PERSON etc

1. Expert talk on public awareness programme conducted by Broad Casting Corporation of India **DOORDARSHAN**, Raipur on the Subject “Municipal Solid Waste Management and Environment” (Telecast of the programme – 21-01-2012)

2. **As Chief Guest and EXPERT** on the Topic “**JAL HI JIVAN HAI**” ORGANISED BY THE **Department of PHE**, Durg at Gram Anjora Dhaba on 23rd March 2015.
3. **As Invited talk** on National Research Seminar organized Department of P.G. Studies & Research in Chemistry ,T.C.L. Govt P.G. College , **Janjgir (C.G.)** held on 18th March 2016
4. **Chaired the technical session on** National Research Seminar organized Department of P.G. Studies & Research in Chemistry ,**T.C.L. Govt P.G. College , Janjgir (C.G.)** held on 18th March 2016
5. **Chaired the technical session on** National Conference (All India Conference AICON) on “**Clean and Green Technology**”, organized by the Department of Engineering Physics **CSIT**, Durg on 22-23 April 2016.
6. **As Expert talk** on the occasion of **World Water Day** 2017 and theam was “Wastewater” Institution of Engineers (India), Bhilai Local Centre, Engineers Bhawan, Civic Centre, Bhilai Nagar on Wednesday the 22nd March 2017 from 07:00 pm.
7. **As Expert talk** on the occasion of **World Environment Day 2017** and theam “Connecting People with Nature” GM (TA) Indira Place, SAIL, Bulding Bhilai on 5th June 2017 from 11:00 am.
8. **As Resource Person BMM. TOXIC BLANKET PHOTOCHEMICAL SMOG – CAUSES AND EFFECTS** Invited Talk on A National Seminar on “Current status of Environmental Science in Chhattisgarh State” was organized by the Department of Chemistry Bhilai Mahila Mahavidyalaya, Bhilai, sponsored by Chhattisgarh Environment Conservation Board, Raipur, from 30th November to 1st December 2017.
9. **Chairing the session** in the **NATIONAL CONFERENCE** on “**Multidisciplinary Research Ideas in Science, Engineering and Management**” during **22nd - 23rd October 2021** organized by Department of Applied Chemistry, Bhilai Institute of Technology, Durg Chhattisgarh.
10. **Expert talk as guest Speaker** on the occasion of **World water Day** 2022 by the Institution of Engineers India, Bhilai Local Centre Chhattisgarh on 22nd March 2022 on the topic “**Groundwater-Making Invisible Visible**”
11. **Expert talk on national webinar** organized by Institution of engineers Bhilai local center on the topic **Role of Chemical Engineering in modern society** on April 2022.

12. **Nominated as the subject expert** of the Selection Committee constituted for selection of teachers in SSTC, Bhilai by the CSVTU Bhilai on 12-04-2017.
13. **Nominated** by the CSVTU, for the **DRC** at Columbia Institute of Pharmacy, Raipur on 6th October 2017
14. **Nominated** by the CSVTU, for the **DRC** and approve the research proposal synopsis for Ph.D. 2015 batch at Columbia Institute of Pharmacy, Raipur on 12th January 2018 to till date.

WORK / DUTIES ASSIGNED BY THE CSVTU

1. Member Board of Studies for Engineering Colleges C.S.V.T.U. BHILAI
2. PAPER SETTING
 Question Paper setting for UG Level (B.E./B Tech)
 Question Paper setting for M.E. Environmental Science
 Question Paper setting for Entrance exam on research
3. Appointed as Judge for Intercollege Extempore competition of Vivekananda Youth festival organized by CSIT Durg.
4. **Nominated** by the CSVTU, for the **DRC** and approval of the research proposal synopsis for Ph.D. at Columbia Institute of Pharmacy, Raipur
5. **Nominated** by the CSVTU, as VC Nominee for RDC 2019 for PhD Programme for Applied Chemistry
6. माननीय कुलपति द्वारा शोध केंद्र के निरिक्षण हेतु बनाई गई प्राध्यापकों की समिति में सदस्य के रूप में I
7. **Member in Committee inspection of Shri Shankaracharya Technical Campus Bhilai for the session 2021-22 on 12nd July 2021**
8. **MEMBER EXAM COMMITTEE CSVTU BHILAI**

WORK / DUTIES ASSIGNED BY THE OTHER UNIVERSITY

As External Examiner in other University (Except C.S.V.T.U.)

1. External Examiner appointed by **Pt. Ravishankar Shukla University, Raipur**, to conduct the practical exam and viva of B.Sc. I in Govt. Shaheed Kaushal Mahavidyalay, Gunderdehi Dist Durg C.G.

2. External Examiner appointed by **Guru Gansi Das University, Bilaspur** to conduct the practical exam and viva of M.Sc. Previous in Govt. MMR PG College Champa.
3. External Examiner appointed by **Guru Gansi Das University, Bilaspur** to conduct the practical exam and viva of M.Sc. Final in Govt. MMR PG College Champa
4. External Examiner appointed by **Guru Gansi Das University, Bilaspur** to conduct the practical exam and viva of M.Sc. Previous in Govt. T.C.L. Govt. College Janjgir C.G.
5. External Examiner appointed to conduct the practical exam and viva of M.Sc. Previous in Govt. College Akaltara.
6. External Examiner appointed to conduct the practical exam and viva of M.Sc. Previous in Govt. College Raigarh.
7. External Examiner appointed to conduct the practical exam and viva of M.Sc. Previous in Govt. Science College Raipur. Etc.

संस्था/संस्था प्रमुख द्वारा

- 1 **प्रथम वर्ष प्रवेश प्रभारी**
- 2 Professor In-charge Cultural Activity GEC Raipur year
- 3 Professor In-charge College Magazine Committee, GEC Raipur year 2018-19 ,2019-20,
- 4 Professor In-Charge Internal Compliance Committee , GEC Raipur year 2018-19 ,2019-12,2020-21, 2021-22
- 5 Professor In-charge Library , GEC Raipur year 2018-19
- 6 Member Anti Ragging Committee GEC Raipur
- 7 सूचना एवं प्रचार प्रसार प्रभारी के रूप में महाविद्यालय की एंटी रेगिंग समिति में I
- 8 संस्था परिसर में मतगणना संबंधित कार्यों को ध्यान में रखते हुए मतगणना कार्य में संलग्न जिला प्रशासन के अधिकारियों को वांछित सुविधाएं महाविद्यालय द्वारा उपलब्ध करवाने हेतु गठित समिति में सदस्य के रूप में I
- 9 संस्था द्वारा अध्यापन कार्य संपन्न करने हेतु अंशकालीन शिक्षकों के साक्षात्कार हेतु चयन समिति में सदस्य के रूप में I
10. शासकीय इंजीनियरिंग महाविद्यालय के प्रयोग शाला के लिए वित्तीय वर्ष २०१९-२० के नवीन मद में मशीन उपकरण / फर्नीचर सम्मिलित किये जाने हेतु प्राप्त प्रस्ताव के परिक्षण संचलनालय तकनीकी शिक्षा छत्तीसगढ़ द्वारा विषय विशेषज्ञ के रूप में I

11. महाविद्यालय द्वारा गठित AICTE समिति में मार्गदर्शक के रूप में I
12. संस्था स्तर में समयमान वेतनमान समिति में सदस्य के रूप में
13. संस्था स्तर में स्वतंत्रता दिवस /गणतंत्र दिवस के कार्यक्रम में अध्यक्ष के रूप में
14. Duties as Head of the Department , Department of Basic Sciences
15. संस्था स्तर अध्यक्ष सांस्कृतिक समिति शासकीय अभियांत्रिकीय महाविद्यालय रायपुर छत्तीसगढ़
16. अध्यक्ष संस्था स्तर **Grievence Redressal Cell** शासकीय अभियांत्रिकीय महाविद्यालय रायपुर छत्तीसगढ़
17. अध्यक्ष संस्था स्तर प्रथम वर्ष छात्र प्रबंधन समिति शासकीय अभियांत्रिकीय महाविद्यालय रायपुर छत्तीसगढ़
18. **Dean sports and Cultural** at Institute level
19. महाविद्यालय द्वारा गठित समिति में Module In charge Student Services on Implementation of Samarth e Gov Suite in TEQIP III Samarth Project

शासन स्तर पर

1. **MEMBER TECHNICAL COMMITTEE , constituted by CG Government for “ No increase in Pollution Load certificate” Chhattisgarh Environment Conservation Board**
2. शासकीय इंजीनियरिंग महाविद्यालय के प्रयोग शाला के लिए वित्तीय वर्ष २०२१-२२ के नवीन मद में मशीन उपकरण / फर्नीचर सम्मिलित किये जाने हेतु प्राप्त प्रस्ताव के परिक्षण संचलनालय तकनीकी शिक्षा छत्तीसगढ़ द्वारा विषय विशेषज्ञ के रूप में I
3. छ.ग. शासन तकनीकी शिक्षा विभाग में रिक्त पदों की पूर्ति हेतु अभ्यर्थियों के आवश्यक अर्हता एवं अनुभव प्रमाण पत्रों की जाँच के लिए विषय विशेषज्ञ के रूप में
4. शासकीय इंजीनियरिंग महाविद्यालय के प्रयोग शाला के लिए वित्तीय वर्ष २०१८-१९ के नवीन मद में मशीन उपकरण / फर्नीचर सम्मिलित किये जाने हेतु प्राप्त प्रस्ताव के परिक्षण संचलनालय
5. तकनीकी शिक्षा छत्तीसगढ़ द्वारा विषय विशेषज्ञ के रूप में I

