

## Curriculum Vitae



### **Dr.DEVENDRA PRATAP SINGH**

**Assistant professor**  
(Deptt. of Applied Sciences & Humanities)

#### **E-Mail:**

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#### **Mobile No.:**

08005495173

09450727277

#### **Permanent Address:**

Plot No.104, Vinayakpur,  
Kanpur (U.P.), Pin- 208025 (India)

#### **Address for communication:**

Plot No.104, Vinayakpur,  
Kanpur (U.P.), Pin- 208025 (India)

#### **Personal Details**

Father's Name : Mr. A.P.Singh

Mother's Name : Prema Singh

Date of Birth : 9<sup>th</sup> Sep., 1982

Sex : Male

Marital Status : Married

Spouse Name : Madhu Singh

Children's : 02

Nationality : Indian

Cast : Hindu

Mother Tongue : Hindi

Category : General

#### **Language Knowledge**

Hindi, English

### **Career Objective**

With A challenging and responsible position where I can effectively utilize my creative and motivational skills based on my prior experience, training abilities

### **Present Appointment**

Dr. Ambedker Institute of technology for Handicapped, U.P.,Awadhpuri, Kanpur-24

**Designation:** Assistant Professor (Applied Chemistry), Department of Applied Sciences and Humanities since 01 July 2007.

#### **Job Responsibilities:**

- Responsible for smooth running of the organization.
- Teaching by using best teaching methods and notes.
- In charge/ Convener Games and Sports under the council of extracurricular activities.
- To check actual status, construction work and maintenance of the Lab, Lab equipments, departmental requirements, Research work, smooth running of BTech I year classes of the Applied Science and Humanities in the institute and resolving department related problems.
- To Prepare and maintain the timetable of each subjects of all the classes in the beginning of the semester and in between the semester.
- To hold the responsibility of Induction Program, Universal Human Value workshop and other activities as Coordinator and Incharge.
- Worked as Head of Department (Applied Science and Allied Science) from 2014-2017.

### **Teaching Experience**

1. **Organization:** Jainarayan Vidya Mandir Inter College, Vikas Nagar, Kanpur

**Designation:** Lecturer Chemistry (July 2006– June 2007)

2. **Organization:** Govt. Polytechnic, GT Road , Kanpur

**Designation:** Guest Lecturer Chemistry in Evening Shift  
(July 2006– June 2007)

3. **Organization:** Saraswati Gyan Mandir Inter college, Indira Nagar, Kanpur

**Designation:** Lecturer Chemistry (July 2004– June 2006)

4. **Organization:** Kanpur 'public Inter College, Vijay Nagar, Kanpur

**Designation:** Lecturer Chemistry (November 2003– June 2004)

5. **Organization:** Rashtriya PG college, Jaunpur

**Designation:** Guest Lecturer Chemistry (August 2002– April 2003)

### **Courses & Trainings**

### **Key Strengths**

- Over 12 year of teaching experience in various organizations related to, teaching and 5 years experience of research works during teaching periods.
- Excellent analytical skills
- Planning & Co-ordination.
- To plan & implement effective teaching techniques.
- Impressive nature.
- Responsible for smooth running of the organization.

### **Professional Qualifications**

- **PhD** Awarded-2013, in Applied Chemistry from, Chatrapati Shahu Ji Maharaj University, Kanpur, on the topic  
“ **Studies on the production of alternative liquid fuels from biomass**”
- **M.Ed. (71%)** from, Chatrapati Shahu Ji Maharaj University, Kanpur.

<b>Post teaching works &amp; Experience</b>  1. Examination duties in semester exams.  2. Evaluation of answer books of mid semester exams and End semester exams as examiner allotted by University.  3. Ten times worked as centre controller in entrance exams.  4. Worked as Nodal Officer in engineering entrance exams.  5. Convener Games and Sports and organized the Annual athletic meets, Tournaments, Champion ship etc since 2007 to till now. Also organized the cultural events and take fest in the institute.  6. Internal and External examiner in practical exams appointed by University.  7. Member of the organizing National seminars and conferences.  8. To have the responsibility to conduct the departmental meetings.  9. Member secretary of maintenance committee, to check and hold the responsibility of civil maintenance class rooms, toilets and others.  10. Hold the responsibility to prepare the time table of each branches of the institute in every semester as Incharge Time Table.  11. To check the day wise attendance of the student in the classes as incharge Quality Assurance Cell.  12. To conduct the practical's works of the students in the subject.  13. Appointed as members of the flying squid by GBTU technical University, Lucknow in semester exams of Engineering and management  14. To arrange coach for practice & prepare college team for better presentation in the participation, of other colleges athletic meet and in tournaments.  15. Worked as ACS (Assistant Centre Superintendent) to conduct the semester exams.	<ul style="list-style-type: none"><li>• <b>CES</b> from IGNOU, Regional centre PPN degree college, Kanpur.</li></ul>																														
	<b>Membership of Professional Bodies</b>																														
	<table><tr><th>Name of Body</th><th>Type of Membership</th><th>Date of Membership</th></tr><tr><td>Oil and Technological association</td><td>Life Time Membership</td><td>14/10/2009</td></tr><tr><td>Institution of Engineers India</td><td>Life Time Membership</td><td>14/02/2011</td></tr><tr><td>Indian institute of Chemical Engineers in India</td><td>Life Time Membership</td><td>12/04/2013</td></tr><tr><td>Green Chemistry Network Centre, University of Delhi</td><td>Life Time Membership</td><td>02/02/2014</td></tr><tr><td>Association of Chemistry teachers [ACT], Mumbai</td><td>Life Time Membership</td><td>06/11/2015</td></tr><tr><td>Indian Science Congress</td><td>Life Time Membership</td><td>21/09/2016</td></tr><tr><td>Asian Journal of Advanced Basic Sciences</td><td>Member of Editorial/ Reviewer Board</td><td>12/07/2016</td></tr><tr><td>International Journal of Current Science Research (IJCSR)</td><td>Editor- Applied Chemistry</td><td>12/08/2016</td></tr><tr><td>Indian Journal of Education (IJE)</td><td>Member of Advisory Board</td><td>22/11/2016</td></tr></table>	Name of Body	Type of Membership	Date of Membership	Oil and Technological association	Life Time Membership	14/10/2009	Institution of Engineers India	Life Time Membership	14/02/2011	Indian institute of Chemical Engineers in India	Life Time Membership	12/04/2013	Green Chemistry Network Centre, University of Delhi	Life Time Membership	02/02/2014	Association of Chemistry teachers [ACT], Mumbai	Life Time Membership	06/11/2015	Indian Science Congress	Life Time Membership	21/09/2016	Asian Journal of Advanced Basic Sciences	Member of Editorial/ Reviewer Board	12/07/2016	International Journal of Current Science Research (IJCSR)	Editor- Applied Chemistry	12/08/2016	Indian Journal of Education (IJE)	Member of Advisory Board	22/11/2016
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	Indian Journal of Education (IJE)	Member of Advisory Board	22/11/2016																												
	<b>Academic Qualification</b>																														
	1. 2013: Ph.D. Awarded in Applied Chemistry, CSJM University, and Kanpur on the Topic: "Studies on the production of Alternative liquid fuels from Biomass."  2. 2006: Passed B.Ed from Prof. H.N. Mishra College, Kanpur University.  3. 2002: Passed M.Sc in Organic Chemistry from VBS Purvanchal University, Jaunpur.  4. 2000: Passed B.Sc. VSSD College, Kanpur University  5. 1997: Passed ISC, from BNSD Inter College, Kanpur  6. 1995: Passed High School from R K Misson, Kanpur  7.																														
<b>Computer Skills</b>																															
1 <b>Operating System</b> :         Windows 98,7, XP & 2000 2 <b>Packages</b> :         Coral Draw, MS-Office, 3 <b>Working with Internet</b> 4 <b>Diploma in Computer Application (DCA)</b>																															
<b>Expert Lectures Taken:-</b>																															
1. Waste Water Treatment by Various Methods, in Faculty Development programme IRDT Kanpur. 2. Online Lecture upon Hardness of Water and methods to remove hardness, IRDT, Kanpur. 3. Online Lecture upon Synthetic Materials on 10 April 2018, IRDT, Kanpur. 4. Online Lecture upon Polymers and Paint on 30 April 2018 at IRDT, Kanpur. 5. Online Lecture upon Fuels on 02 May 2018 at IRDT, Kanpur																															
<b>Areas of Academic/ Teaching:-</b>																															
1. Engineering Chemistry 2. Polymer Science 3. Organic Chemistry 4. Environment & Ecology 5. Physical and Analytical Chemistry 6. Human value & Prof. Ethics 7. Non Conventional Energy Resources 8. Energy Science & Engineering																															

<b><u>Interests &amp; Hobbies</u></b> <ol style="list-style-type: none"> <li>Teaching &amp; Optimistic Nature</li> <li>Interacting with people</li> <li>All type of creative works</li> <li>Playing Cricket and Badminton</li> <li>Listening Old Songs</li> <li>Tourism</li> </ol>	<b>Books and Lab Manuals:-</b> <ol style="list-style-type: none"> <li>Prepared Lab Manuals of Engg. Chemistry for Btech-I Year Students, Environmental lab (NCH: 353) and Analytical Methods Lab (NCH: 454) for II year CH students.</li> </ol> <b>Areas of Research:-</b> <ol style="list-style-type: none"> <li>Applied and Organic Chemistry</li> <li>Biofuel</li> <li>Environmental Issues and Non Conventional energy Resources</li> <li>Polymer Science &amp; Technology</li> <li>Education and HVPE</li> <li>Waste water Analysis</li> </ol>
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#### A. i) Research papers published in Journals

S. No.	Title with page no.	Journal	ISSN/ ISBN No.	Impact factor	No. of co- authors
1	Pre-treatment of Lignocellulosic Wastes to Improve Ethanol Production from Different Kinds of Agro Residue, Vol.56, Pt.2, 2010, 85-98	National Geographical Journal of India,	0027-9374/2010/1344-1354	1.2	03
2	Ethanol, An Economical & Environmentally Feasible Way of Bio fuel From Cellulosic Materials Process And Discussion, Vol.7, No.11, 2012, 11-17	International Journal of Applied Engineering Research,	0973-4562	0.98	02
3	Fermentation process using enzymatic strain enhances the bio fuel Production from lignocellulosic biomass, Vol.12, 2013, 182-166	International Journal of Emerging Technologies in Computational and Applied Sciences	2279-0055 (e) 2279-0047 (p)	1.237	02
4	Acid And Alkaline Pre-treatment of Lignocellulosic Biomass to Produce Ethanol As Bio fuel, Vol.5, No.2, 2013, 727-734	International Journal of Chem. Tech Research	0974-4290	1.85	02
5	Production of Biofuel from Lignocellulosic Biomass, Vol. 2 Issue 6, 2013, 2713-2719	International Journal of Engineering Research and Technology	2278-0181	7.87	02
6	Effect of Biofuel Upon Global Warming, Climate And Production Of Crops, A Case Study Of Eastern Uttar Pradesh (India) Vol.3, 2013, 1054-1060	International Journal of Engineering Research and Application	2248-9622	2.105	02
7	Recycling of agricultural wastes in to biofuel production: an ecofriendly product., Vol. 3, Issue 3, 2013, PP: 60-65	International Journal of Engineering Inventions	2278-7461 (e) 2319-6491 (p)	6.7	02
8	Production of Biofuel from Algae: An Economic and Eco-Friendly Resource, Vol. 2, Issue 11, 2013, pp-352-357	International Journal of Science and Research (IJSR)	2319-7064	7.8	02
9	Impact of biofuel utilization in engine fuel: an ecofriendly product, Vol. 7, Issue 3, 2013, PP 38-46	IOSR Journal Of Environmental Science, Toxicology And Food Technology	2319-2402 (e) 2319-2399 (p)	1.325	02
10	Production of Biodiesel Using Immobilized Pseudomonas Fluorescence, Vol.2, Issue.2, 2013, pp-17-23	International Journal for Research and Development in Engineering	2279-05000	4.39	02
11	Environmental, Economical and Financial Aspects of Production of Biodiesel from Algal Biomass, Vol. 2, 2014, pp-32-38	International Journal of Science & Technology	2321-919X	2.037	02
12	Bio fuel from wastes an economic and environmentally feasible resource, Vol.54, 2014, pp-634-641	Energy Procedia (Science Direct),	1876-6102	6.082	02
13	Biodegradation of Plastic With The Help of Microbial Tool Vol. 2, 2021, pp- 36-41	Journal of Polymer & Composition	2321-8525	4.22	02
14	The study of the expression of education of	International journal	2455-5746	5.34	01

	undergraduate students in relation to their academic achievement, Vol.6, Issue-2, 2021, pp- 51-56	of Advance Education and Research			
15	Process and Applications of Nano Materials, Vol. 23, Issue-2, 2021, pp- 10-16	Nano Trends	0973-418X	1.2	02
16	Effect of Air Pollution in Kanpur, UP, India: A Case Study- <i>Submitted In Process</i>	Omni Science: A Multi-disciplinary Journal	2347-9949	1.04	01
17	Production of Biofuel (Biodiesel and Bio Ethanol): An Economical and Environmentally Feasible way to the society- <i>Submitted In Process</i>	Journal of Energy environment & Carbon Credit	2249-8621	2.3	02

## ii) Full papers in Conference Proceedings

S. No.	Title with page no.	Details of conference publication	No of co – authors	Whether you are the main author
<b>2009 - 11</b>				
1	Production of Biofuel from Biomass an economical development opportunity to the society	International Seminar on “Technology, Energy and Sustainable Rural Environment” 23-25 February, 2011, Banaras Hindu University, Varanasi, U.P.	01	Yes
<b>2011 - 12</b>				
1	Production of Biofuel from Biomass an economical development opportunity to the society	International Seminar on “Technology, Energy and Sustainable Rural Environment” 23-25 February, 2011, Banaras Hindu University, Varanasi, U.P.	01	Yes
2	Ethanol, An Economical & Environmentally Feasible Way of Bio fuel From Cellulosic Materials Process And Discussion,	International Conference on Emerging Trends in Engineering and Technology Geeta Institute of Management And Technology Kanipla, Kurukshetra (IETET-2012) November 9-11, 2012	01	Yes
<b>2012 - 13</b>				
1	Acid and Alkaline pretreatment of Lignocellulosic biomass to produce ethanol as biofuel	International Conference on “Global Scenario in Environment and Energy” 14-16th March 2013, MANIT Bhopal	01	Yes
2	Biofuel: One of the extricable way on the effect of global warming upon climate and production of Crops in a case study of eastern Utter Pradesh (India)	International Conference on “Global Scenario in Environment and Energy” 14-16th March 2013, MANIT Bhopal	02	Yes
<b>2013 - 14</b>				
1	Production of biofuel from Lignocellulosic biomass	International Humboldt Kolleg on Management of water, Energy and Bio-resources in changing climate regime: Emerging Issues and Environment Challenges 8-9 February, 2013, Jawaharlal Nehru University, New Delhi, India.	01	Yes
2	Biofuel from wastes an economic and environmentally feasible resource	International Workshop on Green Initiatives in Energy, Environment and Health	01	Yes
<b>2014 - 15</b>				
1	Potential of Biofuel from wastes an economic and environmentally feasible resource	IV th International Conference on Advances in Energy Research 10-12 December-2013, IIT Bombay	01	Yes
2	Bio fuels: The major opportunity to the society as Economical and Environmentally feasible Upon Climate and Production of Crops in a case study of Eastern Uttar Pradesh (India)	National Conference on Biofuels & Bio energy 12-13 June- 2015 (UPES), Dehradun 248007	02	Yes
<b>2020 - 21</b>				
1	Production of Biofuel (Biodiesel and Bio Ethanol): An Economical and Environmentally Feasible way to the society	International Conference on Modern Approaches in Engineering, Science and Management, organized by Bansal Institute of Engineering and Technology, Lucknow, UP	02	Yes

2	Process and Applications of Nano Materials	International Conference on Modern Approaches in Engineering, Science and Management, organized by Bansal Institute of Engineering and Technology, Lucknow, UP	02	Yes
3	Effect of Air Pollution in Kanpur, UP, India: A Case Study	International Virtual Conference on Frontiers in Chemical Sciences (IVCFCS-2021)25 June. Department of Chemistry, Mohanlal Sukhadia University Udaipur	01	Yes

## B. Articles/Chapters published in Books

Sr. No.	Title with page no.	Book Title, editor & publisher	International, national or local level	ISSN/ ISBN No.	Whether peer reviewed.	No. of Co-authors and Date of Publication	Whether you are the main author
1	Biofuels: One of the Extricable Way on the Effect of Global Warming Upon Climate and Production of Crops in a case study of Eastern Uttar Pradesh (India), 253-266	BSP, BS Publications, a unit of BSP books Pvt.Ltd.	National level	978-81-7800-286-6	Yes	03	Yes
2							

## (E) (i) Participation in refresher courses, Training Courses, Teaching-Learning-Evaluation Technology, Faculty Development Programmes

Sr.No.	Programme	Duration & date	Organized by
<b>2007-09</b>			
1	Short term programme on "Generic Skills Development	25/09/2007-28/09/2007	Curriculum Development Centre, National institute of Technical Training and Research Chandigarh, India
2	Vocational training course on "Solving challenges of chemistry through Analysis" (Two Month)	19/10/2007-25/12/2007	Small Scale Industries Cell (SIDBI), Indian Institute of Technology Kanpur, India.
3	Short term programme on "Video film production for classroom Instructions"	14/01/2008-18/01/2008	Educational Television Department /Centre by National institute of Technical Training and Research Chandigarh, India.
4	Short term programme on "Biotechnology and Biochemical Engg."	17/11/2008-21/11/2008	Applied Science Department/Centre at/ by National institute of Technical Training and Research Chandigarh, India.
5	Short term programme on "Ferro Cement Technologies"	16/03/2009-20/03/2009	Rural Development Department/Centre at/by National institute of Technical Training and Research Chandigarh, India.
<b>2009-10</b>			
1	Short term programme on "Organic Farming"	25/05/2009-29/05/2009	Rural Development Department/Centre at/by National institute of Technical Training and Research Chandigarh, India.
<b>2010-12</b>			
1	Faculty Development programme on Research Methodology	08/08/2012-12/08/2012	IRDT Kanpur
<b>2012-13</b>			
1	Faculty Development programme on "Human Values and Professional Ethics".	05/12/2012-12/12/2012	Gautama Buddh Technical University, Lucknow
<b>2013-14</b>			
1	68 Annual Convention of Oil Technologists' Association of India on Emerging Trends in Oleo chemicals & Lipids Expo	08/10/2013-10/10/2013	CSIR-Indian Institute of Chemical Technology, Hyderabad.
<b>2014-15</b>			
1	Faculty Development programme on "Modern teaching methodology and soft skill"	18/01/2014-22/01/2014	I.R.D.T., Technical Education Department, U.P., Vikas Nagar, Kanpur
2	Short term programme on "Renewable Energy Sources and Energy Conservation"	31/08/2015-04/09/2015	Electrical Engineering department, National institute of Technical Training and Research Chandigarh, India
<b>2015-16</b>			
1	Short term programme on Optical Fiber Communication	05/09/2016-09/09/2016	National institute of Technical Training and Research Chandigarh
2	Short term programme on Wireless and Mobile	03/10/2016-	National institute of Technical Training and Research

	Communication	07/10/2016	Chandigarh, India
3	Faculty Development programme on Application of Nanotechnology in Textile Engineering	18/01/2016-23/01/2016	UPTTTI Kanpur
<b>2016-17</b>			
1	Faculty Development programme on Thermo chemical Conversion of Biomass for Energy and Fuels	12/02/2017-17/02/2017	Department of chemical engineering IIT Madras
<b>2017-18</b>			
1	Skill Development for Employment Generation in India	27/08/2018-31/08/2018	National institute of Technical Training and Research Chandigarh
2	Nonmaterials: Characterization & Applications	29/10/2018-02/11/2018	National institute of Technical Training and Research Chandigarh
<b>2018-19</b>			
1	Climate change and Disaster Management	12/11/2018-16/11/2018	National institute of Technical Training and Research Chandigarh
2	Development of Laboratory Instruction and Manual	04/02/2019-08/02/2019	National institute of Technical Training and Research Kolkata
3	Science and Technology for Sustainable Development	04/02/2019-08/02/2019	National institute of Technical Training and Research Chandigarh
4	Sustainable Development and Natural Resources Management	29-04-2019 03-05-2019	National institute of Technical Training and Research Chandigarh
5	Entrepreneurial Opportunity Identification and Project Formulation in Services Sector	13-05-2019 17-05-2019	National institute of Technical Training and Research Chandigarh
6	Innovation and Research Areas in Science and Technology	27-05-2019 31-05-2019	National institute of Technical Training and Research Chandigarh
7	Problem Based Learning (Two Week)	20/05/2019-31/05/2019	National institute of Technical Training and Research Kolkata
8	Faculty Development Program for Student Induction (FDP-SI)" Online	25/06/2019-01/07/2019	DCRUST, Murthal (Haryana) organized by All India Council for Technical Education (AICTE).
<b>2019-20</b>			
1	Universal Human Values And Professional Ethics	08/07/2019-15/07/2019	Dr. A.I.T.H. Awadhupuri, Kanpur under TEQIP-III ,Value Education Cell, AKTU, Lucknow
2	Skill Development and Technological Innovation for Employment Generation in India	29-07-2019 02/08/2019	Civil Engineering, National institute of Technical Training and Research Chandigarh, India.
3	Research Oriented Project Work	05/08/2019 09/08/2019	Curriculum Development Centre, National institute of Technical Training and Research Chandigarh, India.
4	Water Pollution and Health	21/10/2019-25/10/2019	National institute of Technical Training and Research Kolkata, India.
5	Water Resources Management	25-11-2019-29-11-2019	Civil Engineering, National institute of Technical Training and Research Chandigarh, India
6	Student Centered Instructional Strategies	09-12-2019-13-12-2019	Education and Educational Management, National institute of Technical Training and Research Chandigarh, India.
7	Value relationship & Ethical Human Conduct (Two Week)	20/12/2019-29/12/2019	Dr. A.P. J. Abdul Kalam Technical University, Lucknow
8	Research Oriented Project Work	24-02-2020-28-02-2020	Curriculum Development Centre, National institute of Technical Training and Research Chandigarh, India
<b>2020-21</b>			
1	Universal human values For deeksharambh (Student Induction Program)	21/09/2020-25/09/2020	Department of Mechanical Engineering, National Institute Of Technology Patna
2	"Waste Technology"	12/10/2020-16/10/2020	Organized by AICTE Training And Learning (ATAL) Academy University College of Engineering, Anna University, Tiruchirappalli
3	Sustainable water treatment	18/01/2021-22/01/2021	PSIT Kanpur Sponsored by AKTU Lucknow
4	"Sustainable Development of Green Chemistry in Chemical Engineering"	28/01/2021-01/02/2021	REC Kanauj, Sponsored by AKTU Lucknow
5	Green Technology & Sustainability Engineering"	04/01/ 2021-08/01/2021	Organized by AICTE Training And Learning (ATAL) Academy Malaviya National Institute of Technology Jaipur.
6	The challenges in strengthening Clean Technology Entrepreneurship (Two Week)	25-01-2021-05-02-2021	National Institute of Technology Jaipur DST Sponsored Online Faculty Development Programme

7	Pollution Testing (Two Week)	15-02-2021-26-02-2021	National institute of Technical Training and Research Kolkata, India.
8	NBA Accreditation and SAR preparation	08-02-2021-12-02-2021	National institute of Technical Training and Research Kolkata, India.
9	Recent Trends in Electric Vehicle and Renewable Energy Systems	21-06-2021-25-06-2021	Organized by AICTE Training And Learning (ATAL) Academy, Arasu Engineering College
<b>2021-22</b>			
1	Role of renewable energy sources in Indian energy security”	05-07-2021-10-07-2021	Department of Mechanical, Production & Industrial and Automobile Engineering, Delhi Technological University, Delhi
2	Inculcating Universal Human Values in Technical Education”	19-07-2021-23-07-2021	Oorganized by All India Council for Technical Education (AICTE)
3	GIS & Remote Sensing	05-07-2021-10-07-2021	Organized by AICTE Training And Learning Institute of Engineering & Technology, Devi Ahilya University, Indore.
4	Alternative fuels for IC Engine	02-08-2021-06-08-2021	Organized by AICTE Training And Learning Institute University College of Engineering (UCET), Hazaribag.

**(E) (ii) Organization of refresher courses, Training Courses, Teaching-Learning-Evaluation Technology, Faculty Development Programmes**

Sr. No.	Programme	Duration & date	Sponsored by
<b>2017-18</b>			
1	Climate change and Disaster Management	One week 12/11/2018-16/11/2018	National institute of Technical Training and Research Chandigarh, India
1	Development of Laboratory Instruction and Manual	One week 04/02/2019-08/02/2019	National institute of Technical Training and Research Chandigarh, India
2	Problem Based Learning	Two week 20/05/2019-31/05/2019	National institute of Technical Training and Research Kolkata
<b>2019-20</b>			
1	Universal Human Values And Professional Ethics	08 Days 08/07/2019-15/07/2019	TEQIP-III ,Value Education Cell, AKTU, Lucknow
2	Life Skills Development	One week 26-08-2019-30-08-2019	Education and Educational Management, National institute of Technical Training and Research Chandigarh, India.
3	Communication Skills	One week 16-09-2019-20-09-2019	Curriculum Development Centre National institute of Technical Training and Research Chandigarh, India.
<b>2020-21</b>			
1	Environmental Pollution Analysis and Health	Two week 25-01-2021-05-02-2021	National institute of Technical Training and Research Kolkatta, India.
2	NBA Accreditation and SAR preparation	One week 08/02/2021-12/02/2021	National institute of Technical Training and Research Kolkatta, India.
3	Research Oriented Project Work	One week 24-02-2021-28-02-2021	Curriculum Development Centre National institute of Technical Training and Research Chandigarh, India.

**(E) (iii) Papers presented in Conferences, Seminars, Workshops, Symposia**

Sr. No.	Title of the paper presented	Title of Conference/Seminar etc	Date(s) of the event	Organized by	Level
<b>2009-10</b>					
1	The role of Biofuel: a major economic development opportunity for society	National Seminar on “Contribution of Chemistry to the Society”,	04 December 2009	D.B.S., College, Kanpur, U.P	National
2	Production of Biofuel From Biomass: Emerging development in India.	65TH OTAI Annual Convention, International Seminar & Expo,	1-3, December -2010	Oil and Technological Association India	Internatio nal
<b>2010-11</b>					

1	Production of Biofuel from Biomass an economical development opportunity to the society	International Seminar on “Technology, Energy and Sustainable Rural Environment”	23-25 February, 2011	Banaras Hindu University, Varanasi, U.P.	International
<b>2011-12</b>					
1	Third generation of biofuel: A major development opportunity	THERMIC, Recent Developments In Process,	22-23 March, 2012	Dr. A.I.T.H. Kanpur	National
2	Bio fuels from algae beats ethanol from lignocelluloses	Energy and Environmental Issues related to Chemical Industries	February 18-19, 2012	Agra (EEChemI-2012)	National
<b>2012-13</b>					
1	Fermentation process using enzymatic strain enhances the biofuel production	15th CRSI National symposium in chemistry,.	February 1-3, 2013	Department Of Chemistry, Banaras Hindu University, Varanasi-221005, India.	National
2	Utilization of agro residues in to production of biofuel as a substitute of petrol	Advances in bioprocesses for Environmental Safety and Nutritional Security (Genesis-2013)	2-3 March-2013	H.B.T.I. Kanpur	National
<b>2013-14</b>					
1	Biofuel : Natural, economic and environmentally feasible resource	Biogenic-2013	19 March-2013	Dr. A.I.T.H. Kanpur	National
2	Lignocellulosic Biofuels: An Environmentally feasible than other fuels	Thermic-2013	11-12 April-2013	Dr. A.I.T.H. Kanpur	National
3	Biofuel from wastes an economic and environmentally feasible resource	International Workshop on Green Initiatives in Energy, Environment and Health	2– 3 December 2013	Maidens Hotel, JNU, Delhi	International
<b>2014-15</b>					
1	Production of Biodiesel and Bio ethanol: An economical and environmentally feasible way to the society Production of Biodiesel and Bio ethanol: An economical and environmentally feasible way to the society	IEEE, International Conference on Advances in Engineering and Technology Research, (ICAETR –2014)	01-02 August 2014	Dr. Virendra Swarup Group of Institutions, National High Way, 25, Unnao,U.P.,	International
2	Bio fuels: The major opportunity to the society as Economical and Environmentally feasible Upon Climate and Production of Crops in a case study of Eastern Uttar Pradesh (India)	Biofuels & Bio energy,	12-13 June-2015	University of Petroleum & Energy Studies (UPES), Vill- Bidholi, Via Premnagar, Dehradun 248007 (Uttarakhand)	National
3	Coordinate and active participation in One day Technical program,	“Energy Efficient Electronic System” Aarambh: 2015	30 August 2018	Organized by IETE Dr. A.I.T.H. Awadhपुरi Kanpur.	National
<b>2015-16</b>					
1	Biodegradation o f Plastic With The Help of Microbial Tool	Environment Issues and Strategies	28 Jan 2016	Rooprani Sukhnandan Singh Mahavidyalaya, Naubasta , Kanpur	National
<b>2016-17</b>					
1	“Nano Sciences and Technology: Process and Applications”	“National Seminar on Nano Science and Nano Biotechnology held on	25-26 <sup>th</sup> February, 2017	Department of Physics, D.A.V. college, Kanpur	National
<b>2020-21</b>					
1	Production of Biofuel (Biodiesel and Bio Ethanol): An Economical and Environmentally Feasible way to the society	International Conference on Modern Approaches in Engineering, Science and Management,	16-17 April 2021	Bansal Institute of Engineering and Technology, Lucknow, UP	International
2	Process and Applications of Nano Materials	International Conference on Modern Approaches in Engineering, Science and Management,	16-17 April 2021	Bansal Institute of Engineering and Technology, Lucknow, UP	International



3	Effect of Air Pollution in Kanpur, UP, India: A Case Study (Poster Presentation)	International Virtual Conference on Frontiers in Chemical Sciences-2021 (IVCFCS-2021)	25 June 2021	Department of Chemistry, MLSU, Udaipur, Rajasthan, India	International
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**(E) (iv) Invited Lectures and Chairmanships at National or International Conference/Seminars**

Sr. No.	Title of Lecture/Academic Session	Title of Conference/Seminar etc	Date(s) of the event	Organized by	International/National
1.	Synthetic Materials	E-Lecture	10/04/2018	EMRC:IRDT Kanpur	National
2.	Water treatment Method	E-Lecture	11/03/2019	EMRC:IRDT Kanpur	National
3.	Corrosion Control	E-Lecture	26/03/2019	EMRC:IRDT Kanpur	National
4	Polymers	E-Lecture	24/04/2019	EMRC:IRDT Kanpur	National

**(F) Academic Staff College Orientation/Refresher Course attended:**

Sr. No.	Nature of the Course/Summer School	Place	Duration	Sponsoring Agency
1	"Solving challenges of chemistry through Analysis" (2 Month)	I.I.T. Kanpur	19/10/2007-25/12/2007	Small Scale Industries Cell (SIDBI), Indian Institute of Technology Kanpur, India.
2	"Plasma Basics and Industrial Applications"	IIT Kanpur	03/11/2007-04/11/2007	Educational Television
3	"Video film production for classroom Instructions"	Dr.A.I.T. H. Kanpur	14/01/2008-18/01/2008	Educational Television Department/Centre by National institute of Technical Training and Research Chandigarh.
4	"Human Values and Professional Ethics".	IIT Kanpur, India	05/12/2012-12/12/2012	Gautama Buddha Technical University, Lucknow
5	Virtual Labs	I.I.T. Kanpur	15/03/2015	M.H.R.D. Kanpur
6	State Level Faculty Interaction Seminar	HBTI, Kanpur	08/06/2015-09/06/2015	DTE & TEQIP, Kanpur
7	Virtual Labs	AITH, Kanpur	30/09/2015	Indian Institute of Technology Kanpur, India
8	"Modern teaching methodology and soft skill"	I.R.D.T., U.P., Vikas Nagar, Kanpur	18/01/2015-22/01/2015	I.R.D.T., Technical Education Department, U.P., Vikas Nagar, Kanpur
9	"National Seminar on Ancient Indian Science & Technology" NSAIST 15	IIT Kanpur.	14/10/2015	Indian Institute of Technology Kanpur, India
10	Workshop upon "Water Infrastructure and Management for Performance, Resiliency and Sustainability"	IIT Kanpur.	17/12/2015-18/12/2015	IIT Kanpur, India & Virginia Tech USA
11	Virtual Lab	IIT Kanpur	15/03/2015	MHRD government of India
12	State Level Faculty Interaction Seminar	HBTI Kanpur	8-9 june 2015	Department of Technical education, Govt. Of Uttar Pradesh, HBTI, Kanpur
13	Applied research, Training and Education in Lipid Science	HBTI Kanpur	22-23 March 2017	HBTI Kanpur
14	Faculty Development Program for Student Induction (FDP-SI)"	DCRUST, Murthal (Haryana)	25/06/2019-01/07/2019	All India Council for Technical Education (AICTE).
15	Environmental Pollution Analysis and Health	Dr. A.I.T.H. Kanpur	25-01-2021-05-02-2021	National institute of Technical Training and Research Kolkata, India.
16	NBA Accreditation and SAR preparation	Dr. A.I.T.H. Kanpur	08/02/2021-12/02/2021	National institute of Technical Training and Research Kolkatta, India.
17	Universal Human Value on the theme "Inculcating Universal Human Values in Technical Education"	Online Mode	12/10/2020-16/10/2020	All India Council for Technical Education (AICTE).
18	UHV Refresher 1 FDP	Online Mode	22/02/2021-26/02/2021	All India Council for Technical Education(AICTE
19	Yoga Teachers' Training Programme	Online Mode (24 Weeks)	01/04/2021-30/09/2021	National Institute of Open Schooling (NIOS)
20	Research Methodology and Statistical Analysis	Online Mode (16 Weeks)	15/02/2021-30/06/2021	IGNOU