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## Bio-data

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Nationality : Indian

Religion : Muslim

Date of Birth & Place of Birth : 3<sup>rd</sup> April, 1991 & Anantapur, AP.

Aadhar No : 7414 0735 9361

### 1. Educational Qualifications:

Course	Name of the Institution studied	Name of the University	Year of graduation	% of Marks obtained	Division
SSC	Anantapur Talent English Medium High School	Board of Secondary Education	2006 – 2007	71.6	First Class
Intermediate /Diploma	Sri Chaitanya Jnr College	Board of Intermediate Education	2007 – 2009	76.6	First Class
B. Tech	JNTUACEA	Jawaharlal Nehru Technological University, Anantapur.	2009 - 2013	67	First Class
M. Tech	SVU	Sri Venkateswara University, Tirupathi.	2013 - 2016	62	First Class
Ph.D.	JNTUACEA	JNTUA	2022	--	--

### Research Interests:

❖ Membrane Separation Techniques and Wastewater treatment.

#### PhD Work (Pursuing)

Title: "Membranes".

Organization: JNTUA.

Guides: Dr. S. Sharada, Chemical Engineering, JNTU, Anantapur.

#### M. Tech Project Work

Title: "Process Development of Novel Carbazole based Polymers as Hole Transport Materials for Solar Cell Applications".

Organization: CSIR-IICT.

Guides: Dr. A. V. Sessa Sainath, Senior Scientist, CSIR-IICT, Hyderabad. & Dr. G. Prabhakar, Professor, HOD, SV University, Tirupathi.

Duration: 1 year

#### B. Tech Project Work

Title: "Studies on Biosorption of copper using Macro Green Algae for Removal of a Heavy Metal".

Organization: Andhra University.

Guides: Prof. Ch. V. R. Murthy, Principal, AU College of Engineering, Visakhapatnam.

Prof. A. V. N. Swamy, Professor, Chemical Engineering, JNTU, Anantapur.

Duration: 6 months

## 2. Experience

Name of the employer/ Organization	Your Designation	Duration of Employment		Nature of Duties
		From	To	
CSIR-IICT	Project Assistant -III	2016	2019	Research
JNTUACE, ATP	Assistant Professor(A)	09-12-2019	Till now	Teaching

Industrial Experience: 3 years

Teaching Experience: 5 years

### Subjects Taught:

Under graduate Courses	Postgraduate Courses
<ul style="list-style-type: none"><li>❖ Mass Transfer Operation</li><li>❖ Separation Process</li><li>❖ Environmental Studies</li><li>❖ Constitution of India</li><li>❖ Process Dynamics and Control lab</li><li>❖ Mass Transfer Operations Lab</li><li>❖ Momentum Transfer Lab</li><li>❖ MATLAB</li><li>❖ C- Programming &amp; Data Structure Lab</li><li>❖ Energy conversation and stroge deviecs</li><li>❖ Green Technology</li><li>❖ Computer Programming Lab</li><li>❖ IT workshop</li><li>❖ Elements of Chemical engineering Lab</li><li>❖ Pharmaceuticals &amp; fine chemicals</li></ul>	<ul style="list-style-type: none"><li>❖ Instrumentation Techniques for Environmental Analysis</li><li>❖ Nano-Sensors, Detectors and their applications</li><li>❖ Environmental Chemistry &amp; Microbiology</li><li>❖ Water Quality Management</li><li>❖ Nano-material For Meta-Material and Nano photonics</li><li>❖ Nanotechnology for Energy Systems</li><li>❖ Design and Simulation Lab</li></ul>

❖ In addition, the laboratories of UG and PG programmes in the areas of Chemical Engineering have been dealt with.

❖ In addition, the Value-added course for UG students: Course name “*physico-chemical processes for wastewater treatment*” with 30 hours lecture.

### Research Guidance:

- Guiding 2 Student in M. Tech project
- Guided 26 Students in B. Tech project

### Professional Services:

- Worked for Departmental Coordinator of NAAC, JNTUACEA, JNTUA
- Worked for NBA in Chemical department, JNTUACEA, JNTUA
- Worked for NIRF in Chemical department, JNTUACEA, JNTUA.

### Research Guidance Provided

#### List of B. Tech Projects Guided

S. No	Admission No	Title of the Project	Year
1.	K. Meghana(18001A0834) K. Shabaaz Ahmed(18001A0823) S.M.Shameer Hussain(18001A0807) E. Sandhya(18001A0817)	Recovery of silver from waste x – ray photographic films	2022
2.	K. ALEKHYA (19001A0809) K. BHARADWAJ (19001A0807) D. ARCHANA (19001A0811) A. S. KAUSHIK (19001A0808) Y. SAI PHANI (20005A0805) R. LAKSHMI DEVI (19001A0806)	STUDY OF SOCIAL RELEVANCE ON DRINKING WATER AND SANITATION OF BUKKARAYASAMUDRAM VILLAGE	2022
3.	K. B. Lohith (21001A0849) B. Hari Kumar (21001A0850) K. Nawaz Khan (21001A0851) P. Hari Rahul (21001A0852)	Develop a C program for Curve Fitting Method along with Algorithm	2022
4.	K. SUMATI (20001A0813) A. AMEENA keshwar (20001A0829) K. SHYAM (20001A0843) A JAYANTH Kumar Reddy (20001A0858) K. TEJA (21005A0805)	Community Service Project: Plant diseasesand usage of pesticides in Prasanayyapalli village	2022
5.	V. Jayasree (19001A0833) R. Sahithi (19001A0834) G. Chaitnya (19001A0857) C. Hareesh (19001A0860)	Performance of Membrane Bioreactor for <del>effluent</del> wastewater treatment	2023
6.	Harshitha, Mukesh, Bala Reddy Sai	ACTIVATION OF GREENHOUSE GASES USING HETEROGENEOUS CATALYSTS	2024
7.	23005A0804 23005A0805	Community service project	2024

	23005A0806 23005A0807 23005A0808 23005A0809		
8.	21001A0804 21001A0808 21001A0853 22005A0807	Flotation studies on coal by using plasma pretreatment technique & Extraction of Chitin and Chitosan from Pleurotus ostreatus	In process
9.	21001A0843 21001A0819 21001A0836 21001A0854	Extraction Of Chitin from Shrimp Shell	In process

### List of M. Tech Projects Guided

S. No	Admission No	Title of the Project	Year
1.	P Ilaya Raja (21001D8206)	Partial replacement of cement with GGBS, Metakaoline and Coarse Aggrigate with various types of seashells	2024
2.	(23001D08104) B. Tharun Kumar	Design of cost-effective ultrafiltration aided electrolyze devices for the production of healthy alkaline water	In process

### E-Content Developed

**Total No. of E-Content: 12**

S. No	Module Developed	Platform	Date	Document link	Video Link
1.	Module -1 Mass Transfer Operations II	Online	05-06-2022	<a href="https://docs.google.com/presentation/d/16pMfb-hpRqZRAiYDJnwDL5fZI8UuUOcA/edit?usp=sharing&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true">https://docs.google.com/presentation/d/16pMfb-hpRqZRAiYDJnwDL5fZI8UuUOcA/edit?usp=sharing&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true</a>	<a href="https://drive.google.com/file/d/1UtkCC4dK5Zo73-G8YDZkHYcJfH0PGA4x/view?usp=sharing">https://drive.google.com/file/d/1UtkCC4dK5Zo73-G8YDZkHYcJfH0PGA4x/view?usp=sharing</a>
2.	Module -2: Mass Transfer Operations II	YouTube	08-02-2023	<a href="https://docs.google.com/presentation/d/1u5GbC8PXcLs2W8DCv_NRNMZ883dBV4yN/edit?usp=sharing&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true">https://docs.google.com/presentation/d/1u5GbC8PXcLs2W8DCv_NRNMZ883dBV4yN/edit?usp=sharing&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true</a>	<a href="https://youtu.be/pSNLd9hIwQY">https://youtu.be/pSNLd9hIwQY</a>
3.	Module -1: Constitution of India	YouTube	07-02-2023	<a href="https://docs.google.com/presentation/d/1MtZFRry8EtM8PFFAV_qjo9Mi65R8Zx4P/edit?usp=share_link&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true">https://docs.google.com/presentation/d/1MtZFRry8EtM8PFFAV_qjo9Mi65R8Zx4P/edit?usp=share_link&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true</a>	<a href="https://youtu.be/dG3H-TluZCs">https://youtu.be/dG3H-TluZCs</a>
4.	Module -1: Environmental Studies	YouTube	08-02-2023	<a href="https://docs.google.com/presentation/d/1UXXDcE-XVZr8s5JvJDAvura5kxVPj19v/edit?usp=share_link&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true">https://docs.google.com/presentation/d/1UXXDcE-XVZr8s5JvJDAvura5kxVPj19v/edit?usp=share_link&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true</a>	<a href="https://youtu.be/drCnDmR3NiY">https://youtu.be/drCnDmR3NiY</a>
5.	Module -1:	YouTube	08-02-	<a href="https://docs.google.com/presentation/d/1fdT">https://docs.google.com/presentation/d/1fdT</a>	<a href="https://youtu.be/M4DzO8rbSaw">https://youtu.be/M4DzO8rbSaw</a>

	Physicochemical Processes in water and wastewater		2023	<a href="https://docs.google.com/presentation/d/1QdJF8SGqEsjC6sopeGHREyT16vByagY8/edit?usp=share_link&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true">wXzJWncueL8bHlvzAPB4WxAaixSQC/edit?usp=share_link&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true</a>	
6.	Module -1: Membrane Technology	YouTube	08-02-2023	<a href="https://docs.google.com/presentation/d/1QdJF8SGqEsjC6sopeGHREyT16vByagY8/edit?usp=share_link&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true">https://docs.google.com/presentation/d/1QdJF8SGqEsjC6sopeGHREyT16vByagY8/edit?usp=share_link&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true</a>	<a href="https://youtu.be/UUVAIORdV-w">https://youtu.be/UUVAIORdV-w</a>
7.	Module -3: Mass Transfer Operations II	YouTube	08-02-2023	<a href="https://docs.google.com/presentation/d/1u5Gbc8PXcLs2W8DCv_NRNMZ883dBV4yN/edit?usp=sharing&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true">https://docs.google.com/presentation/d/1u5Gbc8PXcLs2W8DCv_NRNMZ883dBV4yN/edit?usp=sharing&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true</a>	<a href="https://youtu.be/pSNLd9hIwQY">https://youtu.be/pSNLd9hIwQY</a>
8.	Module -2: Constitution of India	YouTube	23.02.2025	<a href="https://docs.google.com/presentation/d/1MtZFRry8EtM8PFFAV_qjo9Mi65R8Zx4P/edit?usp=share_link&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true">https://docs.google.com/presentation/d/1MtZFRry8EtM8PFFAV_qjo9Mi65R8Zx4P/edit?usp=share_link&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true</a>	<a href="https://youtu.be/mRFABYORKBc">https://youtu.be/mRFABYORKBc</a>
9.	Module -2: Membrane Technology	YouTube	23.02.2025	<a href="https://docs.google.com/presentation/d/1QdJF8SGqEsjC6sopeGHREyT16vByagY8/edit?usp=share_link&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true">https://docs.google.com/presentation/d/1QdJF8SGqEsjC6sopeGHREyT16vByagY8/edit?usp=share_link&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true</a>	<a href="https://youtu.be/7Z6Vuzol-30">https://youtu.be/7Z6Vuzol-30</a>
10.	Module -2: Renewable Energy	YouTube	23.02.2025	<a href="https://drive.google.com/file/d/1sSapleOtXujdr0aHFV_Kpi5nqG5qACUF/view?usp=drive_link">https://drive.google.com/file/d/1sSapleOtXujdr0aHFV_Kpi5nqG5qACUF/view?usp=drive_link</a>	<a href="https://youtu.be/Mv6yTojz-zI">https://youtu.be/Mv6yTojz-zI</a>
11.	Module -3: Renewable Energy	YouTube	23.02.2025	<a href="https://drive.google.com/file/d/14un_8B_8SqrPVpCpfwkdCASenS_E4itO/view?usp=drive_link">https://drive.google.com/file/d/14un_8B_8SqrPVpCpfwkdCASenS_E4itO/view?usp=drive_link</a>	<a href="https://youtu.be/Xz2NuPQHZTg">https://youtu.be/Xz2NuPQHZTg</a>
12.	Module -2 : Physicochemical Processes in water and wastewater	YouTube	23.02.2025	<a href="https://docs.google.com/presentation/d/1fdTwXzJWncueL8bHlvzAPB4WxAaixSQC/edit?usp=share_link&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true">https://docs.google.com/presentation/d/1fdTwXzJWncueL8bHlvzAPB4WxAaixSQC/edit?usp=share_link&amp;ouid=117573795844547470349&amp;rtpof=true&amp;sd=true</a>	<a href="https://youtu.be/mJyNk_LcPyM">https://youtu.be/mJyNk_LcPyM</a>

## Patent

**Total No. of Patent: 02**

S.No.	Application Number	Title of the Patent	Date applied	Date published	Publication URL
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1.	6308279	BIOSENSOR BASED CANCER DETECTION DEVICE	06-sept-2023	14-09-2023	-
2.	202431048131 A	Enhancing English instruction in higher education with mobile technology and artificial Intelligence	23.06.2024	09.08.2024	<a href="https://search.ipindia.gov.in/IPOJournal/Journal/ViewJournal">https://search.ipindia.gov.in/IPOJournal/Journal/ViewJournal</a>

### Awards & Achievements

1. Director's Special Appreciation Award for "**SWACHH BHARAT SERVICES**" for providing drinking water facilities in both urban & rural areas. (5<sup>th</sup> August 2017).
2. Institute of Researchers award for **Research Excellence Award 2023** for outstanding professional and research achievements in the field of Chemical Engineering. (27<sup>th</sup> December, 2023).

### Book/Book Chapters:

**Total No. of Books/Book Chapters: 07**

S. No	Title of Book/Chapter	Name of the Publication, edition and year	Book/Book Chapter
1.	"Design of membrane systems through Computational Fluid Dynamics (CFD) and molecular modeling"	Talyer & Franics Group 2018	Book Chapter
2.	Recovery of Silver from Waste X-Ray Photographic Films	Lambert Academic Publishing 2023	Book Chapter
3.	Chemistry of Schiff Bases and Its applications	Lambert Academic Publishing 2023	Book Chapter
4.	Optimum Design and Analysis of a composite drive shaft for ab Automobile	Lambert Academic Publishing 2023	Book Chapter
5.	An experimental study on the Performance characteristics of Plastic oil fuel in a light-duty ci Engine	Lambert Academic Publishing 2023	Book Chapter
6.	Modification of surface, physical and Chemical properties of activated carbons for Water purification	Lambert Academic Publishing 2023	Book Chapter
7.	A study of discourses on justice in contemporary environmental ethics	Lambert Academic Publishing 2024	Book Chapter



## List of Publications:

**Total No. of Publications: 08**

S.No.	Index In	Title of the Paper	Name of the Journal, Vol, Page Nos	Name of Publisher	Year	Web link of the Paper	ISSN No
1	SCOPUS	SYNTHESIZED TiO <sub>2</sub> NANOPARTICLES FOR THE APPLICATION OF PHOTOCATALYTIC DEGRADATION OF SYNTHETIC TO	MATERIALS TODAY: PROCEEDINGS, VOLUME PAGES 3444-3449	ELSEVIER	2022	<a href="https://doi.org/10.1016/j.matpr.2022.04.278">HTTPS://DOI.ORG/10.1016/J.MATPR.2022.04.278</a>	1369-7021
2	UGC-CARE	RESTORATION OF PURE SILVER FROM X-RAY FILM WASTE	YMER INTERNATIONAL OPEN ACCESS JOURNAL VOL 22, PAGE-349-359	UNIVERSITY OF STOCKHOLM	2023	<a href="https://doi.org/10.37896/YMER22.02/30">HTTPS://DOI.ORG/10.37896/YMER22.02/30</a>	0044-0477
3	UGC-CARE	SPECTROCHEMICAL INVESTIGATION OF BIO-ACTIVE NOVEL HETEROCYCLIC TYRAMINE DI THIOCARBAMATES METAL	INTERNATIONAL JOURNAL OF ALL RESEARCH EDUCATION AND SCIENTIFIC METHODS, VOL PG-460-466	IJARESM	2023	<a href="https://www.researchgate.net/publication/367777777/figure/fig/1/1_T1_NOORJAHAN_BEGUM_LC7M.PDF">HTTPS://WWW.RESEARCHGATE.NET/PUBLICATION/367777777/FIGURE/fig/1/1_T1_NOORJAHAN_BEGUM_LC7M.PDF</a>	2455-6211
4	UGC-CARE	SYNTHESIS, CHARACTERIZATION AND ANTIBACTERIAL ACTIVITY OF 2-AMINO-COMPLEXES	EUROPEAN JOURNAL OF BIOMEDICAL AND PHARMACEUTICAL SCIENCES, VOL-10,PAGES 235-243	EJBPS	2023	<a href="https://ejbps.com/ejbps/abstract_id/9543">EJBPS.COM/EJBPS/ABSTRACT_ID/9543</a>	2349-8870
5	UGC-CARE	REPORT ON PLATE MODAL ANALYSIS INVESTIGATING CANTILEVERED RECTANGULAR PLATES	INTERNATIONAL JOURNAL OF RESEARCH PUBLICATION AND REVIEWS, VOL-4, PAGE 171755	IJRPR	2023	<a href="https://www.researchgate.net/publication/367777777/figure/fig/1/1_T1_NOORJAHAN_BEGUM_LC7M.PDF">OM/UPLOADS/V4ISSUE7/IJRPR15459.PDF</a>	2582-7421
6	UGC-CARE	THEORETICAL ANALYSIS ON CI ENGINE BY MULTIPLE INJECTION PRESSURE WITH ALTERNATIVE FUEL BY ADDING	INTERNATIONAL JOURNAL OF ADVANCE RESEARCH AND INNOVATIVE IDEAS IN EDUCATION, VOL-9, PP-1686-1694	IJARIIE	2023	<a href="https://ijariie.com/formdetails.aspx?manuscriptid=218160">HTTPS://IJARIE.COM/FORMDETAILS.ASPX?MANUSCRIPTID=218160</a>	2395-4396
7	UGC	Performance Improvement Studies of Cement with GGBS, Metakaolin and Coarse Aggregate with Various Types of Seashells	Journal of Chemical Health Risks <a href="http://www.jchr.org">www.jchr.org</a> JCHR (2024) 14(2), 1759-1767   ISSN:2251-6727]	JCHR	2024	<a href="file:///C:/Users/ADMIN/Desktop/HRA/Acadamic%20data/Paper/2024/1.%20Performance+improvement+studies+of+cement+with+GGBS,+metakaolin+and+coarse+aggregate+with+various+types+of+seashells.pdf">file:///C:/Users/ADMIN/Desktop/HRA/Acadamic%20data/Paper/2024/1.%20Performance+improvement+studies+of+cement+with+GGBS,+metakaolin+and+coarse+aggregate+with+various+types+of+seashells.pdf</a>	2251-6727

8.	Int Peer Reviewed Journal	MODIFICATION OF THE SURFACE PHYSICOCHEMICAL PROPERTIES OF ACTIVATED CARBON FOR WATER FILTRATION	INTERNATIONAL JOURNAL OF PROGRESSIVE RESEARCH IN ENGINEERING MANAGEMENT AND SCIENCE (IJPREAMS) (Int Peer Reviewed Journal) Vol. 04, Issue 09, September 2024, pp: 896-900	IJPREAMS	2024	<a href="https://www.doi.org/10.58257/IJPREAMS36079">https://www.doi.org/10.58257/IJPREAMS36079</a>	2583-1062
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### List of Seminars/FDPs/ Conference

#### (National and International)

1. **H. Rehana Anjum**, A National Level Students' symposium, '**Fusion-2K11**', (17<sup>th</sup> September, 2011) at Jawaharlal Nehru Technological University, Anantapur.
2. **H. Rehana Anjum**, D. Subba Rao, "**Conversion of Rate Equation sin Chemical Reaction Engineering**", A National Techno- Cultural Symposium, 'Techno Smania' 12, (29<sup>th</sup> -31<sup>st</sup> March, 2012) at Osmania University, Hyderabad.
3. **H. Rehana Anjum**, K. G. Souwya, D. Subba Rao, "**Application of Nanotechnology in Robotic**", A National Techno- Cultural Symposium, 'Techno Smania' 12, (29<sup>th</sup> -31<sup>st</sup> March, 2012) at Osmania University, Hyderabad.
4. **H. Rehana Anjum**, "**Process designing and simulation**", Aspen Workshop, 'ChemClave 2012', (9<sup>th</sup> – 11<sup>th</sup> March, 2012) at IIT Madras, Chennai.
5. J. Gopinath, **H. Rehana Anjum**, B. Bala Raju, A. V. Sesha Sainath," Synthesis, *characterization of novel polythiophene based di-/tri-block polycarbazole copolymers as hole transport materials*", Proceedings of 18<sup>th</sup> International Workshop on Physics of Semiconductor Devices, JN Tata Auditorium. Indian Institute of Science, Bangalore-560012, Karnataka, India.
6. **H. Rehana Anjum**, S. S. Chandrasekhar, Nivedita Sahu, S. Sridhar, "**Microalgae: Sustainable Approach for Treatment of Domestic Waste Water and Industrial Effluents**", National Conference on Indo-EU Workshop on Microbial Electrochemical Technologies for Sustainability: Fuels, Chemicals and Remediation, 'metSUS-2017', (28<sup>th</sup> February, 2017) at CSIR-IICT, Hyderabad.
7. **H. Rehana Anjum**, Two Day Workshop on "**Materials for Energy Conversion and Storage Devices**" organized by chemical engineering department, JNTUA, ATP under TEQIP III (27<sup>th</sup> to 28<sup>th</sup> Dec, 2019).

8. **H. Rehana Anjum**, One Day Workshop on ***“Recent trends in chemical and Biotechnology Engineering”*** organized by chemical engineering department, JNTUA, ATP under TEQIP III (30<sup>th</sup> Dec, 2019).
9. **H. Rehana Anjum**, Two Day Workshop on ***“Development of MOOCs and Production Techniques”***, organized by EEE department, JNTUA, ATP under TEQIP III (17<sup>th</sup> and 18<sup>th</sup> Jan, 2020).
10. **H. Rehana Anjum**, Two Week FDP on ***“Mathematical Modeling and Simulation for Scientists & Engineers”*** organized by chemical engineering department, JNTUA, ATP (24<sup>th</sup> Feb to 7<sup>th</sup> March 2020).
11. **H. Rehana Anjum**, Five Day online FDF on ***“Laboratory and Workshop learning skills on conducting online classes”***, online FDP conducted by the Dept. of Chemical Engineering & JNTUA. (20<sup>th</sup> -25<sup>th</sup> Feb, 2021).
12. **H. Rehana Anjum**, two days Online Conference on ***“Novel Trends in Chemical Sciences (NTCS-2021)”***, conducted by the Govt. Digvijay Auto. P. G. College, Rajnandgaon (C.G). (20-21 October, 2021).
13. **H. Rehana Anjum**, two days Online Conference on ***“Emerging Fields in Chemistry: Advances and Applications”***, conducted by the Govt. Kamla Devi Rathi Girls P. G. College, Rajnandgaon, C.G, INDIA. (10-11 August, 2021).
14. **H. Rehana Anjum**, two days Online Seminar on ***“Exploration of Insight in Innovative Research of Chemical Sciences in Modern Epoch”***, conducted by Krishna Chandra College, west Bengal.
15. **H. Rehana Anjum**, one day Webinar on ***“NAAC: Its New Framework and Quality Enhancement Techniques”***, *Internal Quality Assurance Cell (IQAC), Udala college, Udala.* (08.01.2021).
16. **H. Rehana Anjum**, Five Days online FDF on ***“Domains of Academia: Research and Teaching Learning”***, conducted by Department of Chemical Engineering, Marwadi University. (1st ,2nd ,3rd ,4th & 5th March 2022).
17. **H. Rehana Anjum**, one day Lecture Series on ***“diagnostic testing in a post-covid world enabled by microfluidic technologies”***. (3rd June, 2022).
18. **H. Rehana Anjum**, one day International Webinar on ***Effective Teaching: Insights from Education Psychology organizes by Centre for Research and Development in Education and Social Integration***, Bharat Institute of Engineering and Technology and Indian Ceramic Society, Hyd (15/10/2022).

19. **H Rehana Anjum** ‘Online **Quiz on Millet's**’ organized by the department of Botany Dattajirao Kadam Arts, Science and Commerce College, Ichalkaranji on Tuesday, 04 th February 2023.
20. **H Rehana Anjum**, One Week online FDP on **Machine Learning in Big Data Analytics, Principles, Techniques and Challenges** Organizes by Dept of Computer Science and Engineering, Narsimha Reddy Engineering College, Secunderabad (13-18 Feb, 2023).
21. **H Rehana Anjum**, International Webinar on Breaking in Science (GWB-2023), **Gobal Women’s Breakfast-2023**. (14th Feb,2023).
22. **H Rehana Anjum**, One Day Webinar on **Higher Study Opportunities & Latest Reseach in Parable Sensor, Bio-Chip, Metal Catalysis, Atomic & Electronic Structure** Organized by National Sun Yat-Sen University (NSYSU) & EduCare Taiwan. (9th June, 2023).
23. **H Rehana Anjum**, one Day Internal Seminar on “**Innovation in Personal Financial Management** organizes by Dept of MBA, Ashoka Women’s Engineering College, Kurnool. (17-06-2023).
24. **H Rehana Anjum**, National Leve Online One week FDP on **Outcome based Pedagogy for Effective Teaching and Learning in Engineering Education** organizes by SKN Sihgad College of Engineering, Pandharpur. (14 – 18 June, 2023).
25. **H Rehana Anjum**, Five Days e-FDP on **Pharmaceutical Innovations & Protection Strategies organizes by Seven Hilla college of Pharmacy**, Tripathi and Institute of Mineral & material Technology, Bhubaneswar. (18 – 22 July,2023).
26. **H Rehana Anjum**, Two Days International Workshop on **Recent Advances & Development in Transdisciplinary Research** organizes by SVU and Seven Hilla college of Pharmacy, Tripathi. (26 & 27 July, 2023).
27. **H Rehana Anjum**, International Day For preservation of Ozone Layer on Montreal Protocol: **Advancing Climate Action** organizes by EPTRI EIACP Hub and in association with Telangana Pollution Control Board (TGPCB): 16<sup>th</sup> Sept,2024.
28. **H Rehana Anjum**, International Day For preservation of Ozone Layer on Montreal Protocol: **Advancing Climate Action:” Significance of Ozone in the stratosphere and role of Ozone depleting substances (ODSs)”** organizes by EPTRI EIACP Hub and in association with Telangana Pollution Control Board (TGPCB): 16<sup>th</sup> Sept,2024.
29. **H Rehana Anjum**, FDP ” **Physicochemical Processes for Wastewater Treatment”** organizes by NPTEL- AICTE Jan-Apr 2024.
30. **H Rehana Anjum** International Conference organizes by Men’s arts, commerce & science college, Jalna, MS Yuvaraja college Mysuru, Karnataka, India **Climate change and its effect on environment, Agriculture, management, Health and society** on 13<sup>th</sup>-14<sup>th</sup> Nov,2024.

### List of NPTEL Course Enrolled

**Total No. of NPTEL Course: 05**

S. No.	Title of the online certificate course completed	Offered by the organization/ platform	Duration, specify dates	Specify Grading/percentage if any
1.	Intellectual Property Rights and Competition Law	NPTEL	12 weeks	48 %
2.	Research Methodology	NPTEL	12 weeks	69 %
3.	Research and Publication Ethics (RPE)	SWAYAM	4 Weeks	72 %
4.	Intellectual Property Rights and Competition Law	SWAYAM	12 weeks	60 %
5.	Physicochemical Processes for Wastewater Treatment	NPTEL	12 weeks	66 %

**Total No. of EDX Course: 100**

S.No.	Title of the online certificate course completed	Offered by the organization/ platform	Duration, specify dates	Specify Grading/percentage if any
1.	Handling Children In A Healthcare Setting	EDX	4	0.9
2.	Fundamentals of Ansible	EDX	5	1
3.	Semiconductors for Beginners	EDX	3	0.96
4.	Strategic Communication for Sustainability Leaders	EDX	5	0.8
5.	Introduction to Feature Journalism	EDX	4	0.85
6.	Storytelling with Data using Socio-environmental Report Cards	EDX	5	0.8
7.	MedTech Foundations	EDX	3	1
8.	Writing Feature Articles	EDX	4	0.87
9.	Developing Feature Stories	EDX	4	0.67
10.	Computational Reasoning with Microsoft Excel	EDX	8	0.65
11.	Introduction to Diversity and Inclusion: The Employee, Business, Societal, and Personal Case.	EDX	4	0.83
12.	Fundamentals of OpenShift For Developers	EDX	4	1
13.	Fundamentals of Red Hat Enterprise Linux 9	EDX	8	0.8
14.	Quantitative and Qualitative Research for Beginners	EDX	8	0.81
15.	Circuits for Beginners	EDX	6	0.5
16.	Daily Problem Solving (Root Cause Analysis)	EDX	3	1
17.	Entrepreneurship Adventures	EDX	10	0.64
18.	Facing Racism and Emotional Tax in the Workplace	EDX	1	0.75
19.	Data Analytics Foundations: A	EDX	3	0.83

	BeginnerGuide			
20.	Communication Skills for Dialoguing Across Difference	EDX	1	0.6
21.	Becoming a Successful Leader (Inclusive Leadership Training)	EDX	4	0.6
22.	Data Analytics: A Fast-Track Guide to Becoming Data-Led	EDX	0	1
23.	Get Beyond Work-Life Balance (Inclusive Leadership Training)	EDX	4	0.88
24.	Critical Thinking: How to Develop Critical Thinking Skills	EDX	1	1
25.	Unconscious Bias: From Awareness to Action	EDX	3	0.6
26.	Understanding Gender Equity	EDX	1	0.71
27.	Leading With Effective Communication (Inclusive Leadership Training)	EDX	4	1
28.	Negotiation: How to Improve Your Negotiation Skills	EDX	1	1
29.	Active Listening: How to Be an Effective Communicator	EDX	0	0.9
30.	Nitrogen-related field measurements: Techniques, analyses and calculations	EDX	4	0.63
31.	From Waste to Value: How to Tackle Food Waste	EDX	3	1
32.	El qu�� y el c��mo de la gesti��n de Esports	EDX	3	0.9
33.	Religion, Conflict and Peace	EDX	8	1
34.	Del c��digo a la creaci��n: dominar la programaci��n de juegos	EDX	4	0.95
35.	How to Use ChatGPT in Tech/Coding/Data	EDX	1	0.96
36.	AWS Services Overview for IT Professionals	EDX	3	0.98
37.	Hands-on with AWS for IT Professionals	EDX	2	1
38.	DevOps on AWS: Release and Deploy	EDX	2	0.5
39.	Integrating AWS with the SDK	EDX	3	0.6
40.	AWS Cloud Technical Essentials	EDX	4	0.76
41.	Serverless Architectures on AWS	EDX	2	0.73
42.	Una gu��a completa del dise��o de juegos	EDX	4	0.99
43.	Introduction to AWS Cloud Careers	EDX	2	1
44.	DevOps on AWS: Code, Build, and Test	EDX	2	0.5
45.	Religious Literacy: Traditions and Scriptures	EDX	4	0.88
46.	DevOps on AWS: Operate and Monitor	EDX	2	0.5
47.	Running A Course With edX	EDX	1	1
48.	Building a Course With edX	EDX	1	1
49.	Arabic	EDX	4	0.8
50.	How to Use ChatGPT in Education	EDX	1	1
51.	How to Learn Online	EDX	2	0.75
52.	AI Applications and Prompt Engineering	EDX	1	1
53.	Prompt Engineering and Advanced ChatGPT	EDX	1	0.75
54.	A Complete Guide to Game Design	EDX	4	0.93
55.	The What and How of Esports Management!	EDX	4	0.85

56.	Designing a Course With edX	EDX	1	1
57.	From Code to Creation: Mastering Game Programming	EDX	4	0.84
58.	Generative AI and LLMs on AWS	EDX	4	1
59.	Islam Through Its Scriptures	EDX	4	0.83
60.	Building Inclusive Workplaces: Adapting to Change, Embracing Diversity, and Fostering Inclusive Leadership	EDX	4	0.67
61.	LLMOps with Azure	EDX	4	1
62.	Advanced Data Engineering	EDX	4	1
63.	Arabic	EDX	4	0.85
64.	Arabic	EDX	4	0.86
65.	Navigating Workplace Equality: Understanding Discrimination, Privilege, and Power Dynamics	EDX	4	0.67
66.	Data Engineering with Databricks	EDX	3	1
67.	Open Source LLMOps	EDX	4	1
68.	Introduction to Generative AI	EDX	3	1
69.	Impact, Ethics, and Issues with Generative AI	EDX	3	0.67
70.	Applied Local Large Language Models	EDX	4	1
71.	Risk Management Tools and Practices	EDX	4	0.74
72.	Introduction to Generative AI	EDX	3	1
73.	Introduction to Prompt Engineering	EDX	3	1
74.	Introduction to LLM Vulnerabilities	EDX	4	1
75.	Models and Platforms for Generative AI	EDX	3	1
76.	U.S. Public Policy: Social, Economic, and Foreign Policies	EDX	4	0.93
77.	Beginning Llamafire	EDX	2	1
78.	Agile with AI	EDX	4	1
79.	Rust Data Engineering	EDX	4	1
80.	Rust for Machine Learning Operations (LLMOps)	EDX	4	1
81.	Web Applications and Command-Line Tools for Data Engineering	EDX	4	0.95
82.	Rust Fundamentals	EDX	4	1
83.	Python Essentials for MLOps	EDX	5	0.8
84.	MLOps Platforms: Amazon SageMaker and Azure ML	EDX	4	1
85.	Rust for DevOps	EDX	4	1
86.	Small Language Models	EDX	2	1
87.	MLOps Tools: MLflow and Hugging Face	EDX	4	1
88.	Python and Rust with Linux Command Line Tools	EDX	4	1
89.	Using GenAI to Automate Software Development Tasks	EDX	3	1
90.	DevOps, DataOps, MLOps	EDX	4	0.8
91.	Technical Support Basics for Everyone	EDX	5	0.75
92.	Nitrogen: A Global Challenge	EDX	5	0.9
93.	Quantitative Research Methods	EDX	8	0.81
94.	Building Personal Resilience: Managing	EDX	6	0.55

	Anxiety and Mental Health			
95.	Introduction to Family Engagement in Education	EDX	6	0.72
96.	PredictionX: John Snow and the Cholera Outbreak of 1854	EDX	1	0.82
97.	Conversational English Skills	EDX	10	0.62
95.	Stress Testing and Risk Regulation Part 2	EDX	4	1
96.	Exercising Leadership: Foundational Principles	EDX	4	0.6
97.	Managing Happiness	EDX	6	0.4
98.	Introduction to Family Engagement in Education	EDX	6	0.72
99.	Conversational English Skills	EDX	10	0.62
100.	Nitrogen: A Global Challenge	EDX	5	0.9