

Name of Faculty **Dr. P. V. NAGA PRAPURNA**
 Designation Associate Professor and Incharge Head of Department
 Nature of Job/Appointment Regular
 Date of Joining 17-06-1998
 E-mail nagaprapurna_chem@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Environmental Science & Technology)	Awarded
PG	M.Tech (Chemical Engineering)	First /Distinction
UG	B.Tech (Chemical Engineering)	First /Distinction
Work Experience	23 Years (CBIT, Hyderabad) Assistant Prof (10 Years) & Associate Prof (13 Years)	
Teaching	03 years (IICT, Hyderabad)	
Research	15 Months (Bard and Beaver Industries, Mallapur Industrial Estate, Hyderabad), 3 Months (Tejaswiny Rasayanas Limited, Secunderabad)	
Industry	--	
Others	--	
Area of Specialization	Environmental Engineering	
Professional Memberships	<ol style="list-style-type: none"> 1. Life member (LM-11440), Indian Institute of Chemical Engineers (IChE), India. 1. Member, Institute Academic Council as Incharge HoD from June 2021 onwards 2. Incharge HoD from 31-05-2021 onwards. 3. Convener, Women Development Cell, CBIT, 12-04-2021 onwards. 4. Member, Innovation Teaching-Learning and Evaluation Committee, 12-04-2021 onwards. 5. Faculty coordinator, Chaitanya Svaasthya club, from 20-01-2019 till date. 6. Vice-Chairman, Chaitanya Reethi-The life style club from 24-07-2019 till date. 7. Member, Grievance Redressal committee, 15-03-2019 to 24-02-2020. 8. Member, student's feedback committee for B.E first year, 07-10-2017. 9. Convener, Hospitality committee, SUDHEE-2017, 15-09-2017 & 16-09-2017. 10. Co-chairman, seating and logistics committee, SUDHEE-2016, 21-10-2016 and 22-10-2016. 11. Member, Academic council as HoD-chemical engg. dept., 18-05-15 to 17-08-17 12. Convener, SUDHEE-2015, annual common technical fest, 29-09-2015 and 30-09-2015. 	
Responsibilities held at Institution Level	<ol style="list-style-type: none"> 1) Chairman - Board of Studies as Incharge HoD from June 2021 onwards 2) Convener, Departmental Research Committee April 2021 onwards. 3) Member - Board of Studies Apr 2013 to May 2015 & Aug 2017 to May 2021. 4) NIRF Coordinator 2020 5) Coordinator, Faculty data compilation for AICTE, Surveys, State Govt Portal 6) Head of the department, 2015-2017 7) Chairman - Board of Studies 2015-2017 	
Responsibilities held at Department Level	<ol style="list-style-type: none"> 1) Chairman - Board of Studies as Incharge HoD from June 2021 onwards 2) Convener, Departmental Research Committee April 2021 onwards. 3) Member - Board of Studies Apr 2013 to May 2015 & Aug 2017 to May 2021. 4) NIRF Coordinator 2020 5) Coordinator, Faculty data compilation for AICTE, Surveys, State Govt Portal 6) Head of the department, 2015-2017 7) Chairman - Board of Studies 2015-2017 	
Research Guidance	Dept offers only U.G program. UG project guidance only.	
Awards Received	<ol style="list-style-type: none"> 1) Best Academic Familiar Female Faculty Award" April 2021, given only for South Indians, instituted by the governing council of 'The Association of Scientists, Developers and Faculties', United Kingdom, as South Indian ASDF Award (SIAA), at Puducherry. 2) Won certificate for participation in World Book of Records, United Kingdom contributed a book chapter in the "Thickest book in the world comprising of 11,796 pages, titled, Latest Innovations for Future Education (LIFE-2021)", ESN publications, Tamilnadu, January, 2021 "Rashtriya Shiksha Ratan Award 2018" given by The National Achievers Recognition Forum, New Delhi during National Seminar on "Individual Achievements, Intellectual Excellence & National Development. 3) Jury member for national level competitions held online by "Women Scientists and Entrepreneurs Conclave" conducted as part of 'India International Science Festival (IISF-2020), by Ministry of Science and Technology, Gol, from 22-12-2020 to 25-12-2020. 4) Technical coordinator for online oral presentation sessions during Exploring Recent Trends in Chemical Engineering", CHEMCON-2020, Indian Chemical Engineering Congress & 73rd Annual Session of Indian Chemical Engineers, jointly Organized by Indian Institute of Chemical Engineers (IChE) Headquarters & IChE - Hyderabad Regional Centre, 27-12-2020 to 29-12-2020. 	
Courses Handled at Undergraduate / Post Graduate Level.	Undergraduate chemical engineering: Process equipment design, Material science, Process instrumentation, Process modeling simulation and optimization, Material science for chemical engineers, Nuclear engineering Undergraduate mechanical engg and Production Engineering Environmental	

Science (Mandatory non-credit course)

No. of Papers Published

International Journals – 5

National Journals – 0

International Conference – 8

National Conference – 0

Non-funded collaborative student projects:

Projects carried out

1. Co-supervisor, UG-Project, four months collaborative research work with team members from M/s Green Waves Environmental solutions, Visakhapatnam, through MoU with CBIT, as external supervisor for two CBIT undergraduate students on project titled "Design of Aroma Industry with Floral Waste as Raw Material", carried out at Hyderabad office, 18-02-2021 to 31-05-2021.
2. Co-supervisor, UG Project, four months collaborative research work with Dr. Ananth Reddy M, Assistant General Manager (Chemical Research Division), Innovare Labs, Hyderabad, as external supervisor for two CBIT undergraduate students on project titled "Kinetic Studies for increasing the yield of Olmesartan Intermediate", carried out at Innovare Labs, Hyderabad, 24-02-21 to 31-05-21.
3. Co-supervisor, UG Project, six months collaborative research work with Senior scientist Ms. Siva Ramya Sanam, CSIR-NEERI, external supervisor for two CBIT undergraduate students on project titled 'Lake water characterization, water quality index and simulation analysis' carried out at NEERI, Hyderabad Zonal Centre, Tarnaka, Hyderabad, 18-12-2019 to 11-05-2020.
4. Co-supervisor, UG Project, for one year collaborative research work with Dr. Srinath Suraneni, Associate Prof., department of chemical engineering, NIT-Warangal, external supervisor for two CBIT undergraduate students on project titled 'Catalytic esterification for semi-batch reactive distillation for the synthesis of methyl acetate', carried out at NIT-Warangal, during 24-06-19 to 12-03-20.
5. Co-supervisor, UG Project, for six months collaborative research work with Ms. Siva Ramya Sanam, CSIR -NEERI, as external supervisor and Ms. A. Priyanka, Assistant Prof., Biotech as supervisor for three CBIT Biotech undergraduate students, 'Effect of nanoparticles on lake water treatment' carried out at NEERI, Hyderabad Zonal Centre, Tarnaka, Hyderabad, 01-01-2020 to 12-03-2020.
6. Co-supervisor for six months experimental and simulation-based research work with Dr. Srinath Suraneni, Associate Prof., department of chemical engineering, NIT-Warangal, external supervisor for two CBIT undergraduate students, 'Hydrothermal carbonization, modeling and simulation analysis', carried out at Department of Chemical Engineering, NIT-Warangal campus, during 04-06-2018 to 03-12-2018.

AICTE-MODROBS FUNDED LAB

7. Coordinator, AICTE-MODROBS funding of Rs. 19.02 Lakhs, ref. No.: 9-293/RIFD/ MODROBS/ Policy-1/ 2014-15(Pvt.)/dt.23-03-2015, for developing 'Computer Applications in Process Industries Laboratory', Chemical Engg. Dept., CBIT, Hyderabad.

Patents

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Technology Transfer

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Invited Speaker

1. Resource person for delivering invited talk on 'Challenges in chemical process industry- our role to play' at one-day seminar on 'Emerging trends in chemical technology', organized by department of chemical technology, Loyola degree and PG college, Secunderabad, on 08-01-2019.
 2. Resource person for delivering invited talk on 'Clean Technologies in Pharmaceutical sector', at three-day National training program on 'Clean Development Mechanism: Project Implementation for Industrial Sector, Energy Sector, Mining Sector and Carbon Trading', organized by EPTRI, Gachibowli, Hyderabad and Central pollution control board, 27-11-2017 to 29-11-2017.
 3. Resource person for delivering invited talk on 'Solid/Hazardous Waste Management in Urban Environment' at two-day National Workshop on 'Urban Environmental Management-Solutions for Sustainability' (UEM-2017), organized by CSIR-NEERI Hyderabad Zonal centre, 18-08-2017 to 19-08-2017.
- 1) Author, book chapter for 'World Book of Records, United Kingdom' titled 'Selectivity of metal oxide slag for simultaneous removal of interactive pollutants from electroplating effluent at industry discharge conditions using novel non-glass columns, in 'Thickest book in the world of 11,796 pages "Latest Innovation for Future Education (LIFE)", S.No 105, pp10887-10914, ESN publications, Tamilnadu, India, Jan 2021.
 - 2) Co-author, book chapter titled "Hydrothermal carbonisation for valorisation of rice husk " Chapter-6, pp 105-122, Taylor & Francis 1sted., CRC press, in the international Book titled 'Biochemical and Environmental Bio processing: Challenges and Developments', 2019.
 - 3) Co-author, book chapter titled "Green organic synthesis by carbondioxide conversion" 10th Chapter, pp251-262, Elsevier publications, in the book titled

No. of Books/Chapter
Published with details

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops/Other Trainings (**Attended and/or Organized**).

Participated in FDPs, Webinars / Seminars, Conferences, Workshops, Talks, Courses

1. One-day webinar on "How to write a book?", Organized by Maahiya Research labs and ESN publications, on 06-06-2021.
2. One-day AICTE-national level Online Seminar on Implementation of National Education Policy – 202, Organized by ISTE and Department of Computer Science and Engineering, JNTUHCE, Jagityal on 31-03-2021.
3. One-Week AICTE-Online faculty training programme for Mentors organized by National Initiative for Technical Teachers Training, from 01-05-2021 to 05-02-2021.
4. Six days Online AICTE-STTP on "Communication Skills & Ethics: A Modern Education Tool in 21st Century" organized by IQAC, Gandhinagar Institute of Technology, Gujarat, from 18-01-2021 to 23-01-2021.
5. Attended one-week online international FDP on 'Latest trends in engineering, science and technology: nanomaterials', from 10th Aug to 15th Aug 2020, organized by Lendi Institute of Engg. and Tech., Visakhapatnam, AP.
6. One-week online refresher course on 'Bharateeya Chaitanyam', organised by Geervana Bharathi of Chaitanya Samskruthi, CBIT, Hyderabad, 29-06-2020 to 05-07-2020.
7. One-week online Faculty Development Programme on 'Industry 4.0 - A Vision of Design and Manufacturing', organised by dept. of Mechanical Engg., CBIT, Hyderabad, 16-06-20 to 20-06-20.
8. One-week online Faculty Development Programme on 'Outcome Based Education and NBA Accreditation-UG', organised by CBIT, Hyderabad, 28-05-2020 to 01-06-2020.
9. One-week AICTE sponsored online Faculty Development Programme on 'Outcome Based Education: A Step towards excellence', by Govt College of Engg, Karad, under 'AICTE-Margdarshan Scheme', 11-05-2020 to 15-05-2020.
10. One-week Faculty Development Programme on 'IoT for Emerging Applications', by ICT Academy-IIT Guwahati, at CBIT, Hyderabad, during 04-02-2020 to 08-02-2020.
11. One-week Faculty development program on 'Behavioral Skills and Teaching Techniques', at Mahindra-Satyam learning world, Hyderabad, 21-06-2012 to 29-06-2012.
12. One-day online webinar on Bioenergy: Transition and Technology, organised by Centre for Energy and Environment, Dr. B.R.Ambedkar N.I.T.Jalandhar, Punjab, 03-07-2020.
13. Online Leadership talk by Mr. Shridhar Venkat, CEO (Akshay Patra Foundation) on 'Opportunities for youngsters in Akshaya Patra and social entrepreneurship', organised by Dr. Abhay Jere, Chief Innovation Officer, MHRD's Innovation cell, AICTE, 20-06-2020.
14. Online CBIT one-day workshop on 'Social responsibility and Community engagement', 17-06-2020.
15. Webinar on 'CO-PO Attainment Computation-Outcomes Analysis', Inpods India Pvt. Ltd., Pune, 13-06-2020.
16. Online Leadership talk by Ms. Ashwini Deshpande, Co-Founder and Director on 'Elephant Design concepts of design basics for today's youngsters', organised by Dr. Abhay Jere, Chief Innovation Officer, MHRD's Innovation cell, AICTE, 06-06-2020.
17. Online Leadership talk by Dr. Nilesh N Oak, Expert, on 'Indian Civilization & History Youngster should know about 24000 years of Indian civilization for a career & successful life', organised by Dr. Abhay Jere, Chief Innovation Officer, MHRD's Innovation cell, AICTE, 30-05-2020.
18. Online workshop on 'Effective and Efficient Online Teaching in the Age of Corona: A Hands-On Workshop' organised by Teaching Learning Centre (ICT) - IIT Bombay BodhiTree platform, 24-05-2020.
19. Online Leadership talk by Shri Mahesh Babu, CEO, Mahindra Electric Mobility Ltd on 'Scenario of Automobile-industry in post covid world', organised by Dr. Abhay Jere, Chief Innovation Officer, MHRD's Innovation cell, AICTE, 23-05-2020.
20. Webinar on 'Covid Virus disease evolution and pathogenicity', Narayana Pharmacy college, KLU, Vijayawada, 23-05-2020.
21. Online Technical Talk cum Webinar 'Research Based Implementations on Social Media Mining and Sentiment Analysis', IE(I), Punjab State Chapter, 20-05-2020.
22. Online Leadership talk by Dr. Pramod Chaudhary, Founder Chairman, Praj Industries Limited on 'How Bharat can become Atmanirbhar in energy sector and opportunities it offers to young entrepreneurs', organised by Dr. Abhay Jere, Chief Innovation Officer, MHRD's Innovation cell, AICTE, 16-05-2020.
23. Webinar on 'Cyber security', Storm Overseas Education, 16-05-2020.
24. Webinar on 'Digital Productivity & Effectiveness Strategies', Storm Overseas Education, 15-05-2020.
25. Online AICTE and Elsevier one-day workshop on 'Research Workflows, Research Metrics and Excellence in Academic Institutes', 14-05-2020.
26. Webinar on 'Image quality measures', Chennai Institute of Tech Knowledge – 4.0, 13-05-2020.
27. Webinar on 'Digital Transformation of Business Administration', Storm Overseas Education, 12-05-2020.
28. Webinar on 'Machine Learning with Python', PanTech Learning, E-bytes, 09-05-2020.
29. Online Leadership talk by Prof D. P. Singh, Chairman UGC on 'Examinations and Academics in the Current COVID-19 Crisis', organised by Dr. Abhay Jere, Chief Innovation Officer, MHRD's Innovation cell, AICTE, 09-05-2020.
30. Webinar on 'Opportunities for Start Ups in current situation', Chennai Institute of Tech Knowledge—4.0, 08-

05-2020.

31. Webinar on 'Research Challenges in Data Mining', Chennai Institute of Tech Knowledge – 4.0, 06-05-2020.
32. Webinar on 'Hangout with Successful Start Ups', Chennai Institute of Tech Knowledge – 4.0, 05-05-2020.
33. Online Leadership talk by Dr. Madhuri Kanitkar, Lieutenant General on 'Women in Army: Work-life balance', organised by Dr. Abhay Jere, Chief Innovation Officer, MHRD's Innovation cell, AICTE, 02-05-2020.
34. IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28-04-2020 to 22-05-2020.
35. Online Leadership talk by Dr.BVR Mohan Reddy, Chairman Cyient & Ex-Chairman NASSCOM on 'Silver lining for industry in COVID-19 crisis', organised by Dr. Abhay Jere, Chief Innovation Officer, MHRD's Innovation cell, AICTE 27-04-2020.
36. Online Leadership talk by Prof. K.K Aggarwal, Chairman-NBA on 'Youngsters losing jobs if they study in non-accredited institution', organised by Dr. Abhay Jere, Chief Innovation Officer, MHRD's Innovation cell, AICTE 18-04-2020.
37. Webinar on 'Sustainable Development Goals -Access to improved Governance', Centre for Innovations in Public Systems, ASCI, 18-04-2020.
38. One-day workshop on 'Significance of MATLAB in applications of emerging technologies' by dept. of EEE, CBIT, Hyderabad, 26-06-2019.
39. Two-day national workshop on 'Urban Environmental Management-Solutions for Sustainability' (UEM), by CSIR-NEERI, Hyderabad zonal centre, 18-08-2017 to 19-08-2017.
40. Three-day national workshop on 'Clean Development Mechanism: Project Implementation for Industrial Sector, Energy Sector, Mining Sector and Carbon Trading', by EPTRI, Hyderabad, 27-11-2017 to 29-11-2017.

Organized Workshop, Guest lectures, Seminars / Webinars, FDPs

1. Faculty coordinator, organized online Guest lecture for BTech Sem-VII students on "E-Waste management" by Mr. Anil Potluri (Dept. Alumnus-2010 batch), Managing Director, Green Waves Environmental Solutions, on 25th Nov 2020.
2. Faculty coordinator, organized online Guest lecture for BTech Sem -V students on "Sustainable waste management and opportunities" by Mr. Satya Adamala, (Dept. Alumnus -2000 batch) Head, Bio Medical Waste Management and Waste to energy project, Jawahar nagar dump yard, Shamirpet, Ramky Enviro Engineers Ltd, Hyderabad, on 20th Nov 2020.
3. Faculty coordinator, organized online Guest lecture for BTech Sem -III students on "Role of Chemical Engineers in Pharmaceutical Industries" by Mr. Sandeep Badarla, (Dept. Alumnus – 2014 batch), Scientist - Process Engineer, API - Process Engineering, Dr. Reddy's labs, Hyderabad, on 20th Nov 2020.
4. Faculty coordinator, One-day workshop on 'Nurturing holistic lifestyle among professionals', by CBIT student club-Chaitanya Reethi, Hyderabad, 12-02-2020.
5. Department coordinator for CBIT Alumni Meet, 'Rejoicing Reunion' on 25-12-2019.
6. Vice-chairman, technical committee, one-day national seminar on 'Water and Environment', by environmental club-PARIVRITHA, CBIT, Hyderabad, 22-03-2018.
7. Technical committee member, two-day national seminar on 'Safety management and energy conservation in process industries', by Institution of Engineers (I.E), Hyderabad, 06-10-2017 and 07-10-2017.

Details of Journal Publications/

Conferences (National and International)

International Journal

1. Aarti T, Sai Rohith B, **Naga Prapurna**, Raju K, S.Srinath (2020), Kinetic modeling of hydrothermal carbonisation of citrulluslanatus (watermelon) peel using thermo gravimetric analysis, Chemical Product and Process Modeling (CPPM), De Gruyter, Volume 15, Issue 2, pp 1-8.
2. Anjani Mamidala, Akanksh Mamidala, **Dr. P. V. Naga Prapurna** (2019), Effects and adaptability due to climate change in developing countries, International Journal of Innovations in Engineering and Technology, IJIET, Volume 14, Issue 4, pp 01-10.
3. Anjani Mamidala, Akanksh Mamidala, **P.V. Naga Prapurna** (2019), Transparent Solar Cells as Economic and Effective Alternative in the Field of Excitonics, International Journal of Recent Technology and Engineering, Volume 7, Issue 5S3, pp 115-119.
4. Anjani Mamidala, Akanksh Mamidala, **P.V. Naga Prapurna** (2018), Smart road - a sustainable technology for present and future, International Journal of Management, Technology and Engineering, Volume 08, Issue 10, pp 1818-1828.
5. **P. V. Naga Prapurna**, M. Viswanatham (2017), Batch and column studies for removal of Cu and Zn using industrial solid waste as new adsorbent, IARJSET, Volume 04, Issue 11, pp 227-238.

International Conferences

1. Kalakuntala Raju, A. Vineeth, **Naga Prapurna**, V.V.Basava Rao, Srinath Suraneni (2020), Kinetics of Catalytic Esterification of Propionic Acid with N-Butanol over Mesoporous Catalyst, 2-day International Conference on Recent advances in chemical engineering, (RACE), organised by Dept. of Chemical Engg., University College of Technology (A), Osmania University, Hyderabad in association with IChE-HRC, on the Eve of Golden Jubilee Celebrations, January 8-9, 2020.
2. Mamidala Anjani, Mamidala Akanksh, Thatipalli Aashrith, **Pentapati Naga Prapurna** (2019), Geothermal energy- an imperishable source of energy in all aspects of life, 12th European congress of Chemical Engineering, ECCE12, P/424, organised by AIDIC, Florence, Italy, 15-19 September.
3. D. Sushmitha, Anjani M, Akanksh M, **P.V. Naga Prapurna**, Srinath S (2019), Formulation of benzotriazole

- loaded electrospun cellulose halloysite nano fibers and its controlled release rate studies for corrosion inhibition of mild steel, International conference on recent advances in nanoscience and nanotechnology (NANOTECH), organised by Larix International, Singapore, 20-21 June.
4. Anjani M, Akanksh M, Divyasai, **Naga Prapurna** (2019), Transparent solar cells as economic and effective alternative in the field of excitonics, International conference on recent engineering and technology (ICRET-2019), organised at New Horizon College of Engg., Bangalore, India, on 5 May.
 5. Anjani M, Akanksh M, Ashrith S T, Srinath S, **P. V. Naga Prapurna** (2019), Vulnerability and adaptation to climate changes in developing countries of Africa and Asia, International conference on Engineering and Advancement in Technology (ICEAT), organised by Lord's Institute of Engg and Technology, Hyderabad 9-10 April. ISBN 978-93-81288-18-4
 6. Aarti T, Rohith, **Naga Prapurna**, Srinath S (2019), Kinetic studies Citrullus lanatus (watermelon) peel using thermo gravimetric analysis, 2nd International conference on New Frontiers in Chemical, energy and Environmental Engineering (INCEEE), organised by Department of chemical engineering, NIT Warangal, Telangana, 15-16 February.
 7. Rohith, Aarti T, **P. V. Naga Prapurna**, Kumar S, Srinath S (2018), Hydrothermal Carbonization of Citrulluslanatus fruit peel, International conference on "Advances and challenges for sustainable ecosystem", ICACSE, organised on Department of chemical engineering, NIT Tiruchirapalli, Tamilnadu, 6-8 December.
 8. Anjani Mamidala, Akanksh Mamidala, **P. V. Naga Prapurna** (2018), Smart road - a sustainable technology for present and future, XV International conference on Recent trends in engineering Science and management, organised by O. U. Centre for International program, O.U Campus, Hyderabad, 20 October. ISBN 978-93-87793-51-4