

1	Name of Faculty	<b>Mrs. S. Sumithra</b>	
2	Designation	Assistant Professor	
3	Nature of Job/Appointment	Regular	
4	Date of Joining	28-06-2010	
5	E-mail	ssumitra_biotech@cbit.ac.in	
6	Education Qualifications	Name of the Degree	Class
	Ph. D	Doctor of Philosophy (BIOTECNOLOGY)	REGISTERED on 23 <sup>rd</sup> February, 2013.
	PG	M. Tech Biotechnology	Distinction
	UG	B. Tech (Chemical Engineering)	Second
7	Work Experience		
	Teaching	13 Years	
	Research	--	
	Industry	--	
	Others	--	
8	Area of Specialization	Chemical Engineering	
9	Professional Memberships		
10	Responsibilities held at Institution Level	--	
11	Responsibilities held at Department Level	<ol style="list-style-type: none"> <li>1. As ,Department placement coordinator ,record student progression into higher studies and placements.conduct various preplacement training activities.</li> <li>2. As Department Alumni coordinator, interaction with alumni in improving placements of the department.</li> <li>3. Class coordinator of B.Tech III/IV to ensure smooth conduct of the class work.</li> <li>4. Maintaining student project list and file</li> <li>5. Coordinate with library for procuringnew books and looking after the departmental library</li> <li>6. Collect information from VIII Semesterstudents regarding their Higher studiesalong with proofs and maintain files. Guide the students towards right opportunites</li> <li>7. Collect ARIIA-department related data along with proofs</li> <li>8. Review the syllabus, introduce newssubjects, frame COs as per Blooms Taxonomy</li> <li>9. Interacting with stakeholders regarding the improvement of POs, PSOs and PEOs</li> <li>10. Interact with experts from academia andindustries for new Curriculum design</li> <li>11. Interacting with stakeholders regarding the improvement of POs, PSOs and PEOs</li> <li>12. Coordinate with the industries for settingthe MoU with department</li> <li>13. Motivate and council the students forcareer development and maintain therecord for the assigned students</li> <li>11.Overall coordinator for UHV activities inthe department.</li> </ol>	
12	Research Guidance	--	
13	Awards Received	--	
14	Courses Handled at Under Graduate / Post Graduate Level.	<ol style="list-style-type: none"> <li>1.Chemical and Biochemical Thermodynamics</li> <li>2.Process Engineering principles</li> <li>3. Bio reaction Engineering</li> </ol>	

		4.Fluid mechanics and Heat transfer 5. Mass transfer operations 6.Bioprocess economics and Plant design 7.Computer applications in bioprocess industries 8.Pharmaceutical Biotechnology 9.Process principles and reaction engineering 10.Fluid mechanics and Heat transfer Lab 11. Mass transfer operations Lab	
15	No. of Papers Published	National Journals – 00	International Journals – 05
		National Conference – 00	International Conference – 00
16	Projects Carried out	--	
17	Patents	--	
18	Technology Transfer	--	
19	Invited Speaker	--	
20	No. of Books/Chapter Published with details	--	
21	Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.Other Trainings (Attended and/or Organized).	<p><b>FDP/STTP/conference Attended:</b></p> <ol style="list-style-type: none"> <li>1. Five day Faculty development programme on “Enhancing research eco system in the campus “Organized by Mallareddy engineering college from 22/08/2022 to 26/08/2022.</li> <li>2. One week Faculty development programme on” Smart material processing and applications.” Organized by NITTTR Chandigarh from 25/07/2022 to 29/07/2022.</li> <li>3. Orientation /refresher course on “Personality profile for industry readiness” organized by P.T.Chegalvayara Naicker College, Tamil Nadu from 27/01/2022 to 02/02/2022.</li> <li>4. STTP on "How to write Thesis and Research Paper " organized by NITTTR Kolkata from 02/08/2021 to 06/08/2021.</li> <li>5. Faculty development programme on “Recent research advance materials: Water and Waste water treatment “organized by Bharat Institute of Engineering and Technology and Indian Ceramic Society, Hyderabad, Telangana from 02/08/2021 to 07/08/2021</li> <li>6. "Environmental pollution and solutions" organized by NITTTR Kolkata from 5/7/2021 to 16/7/2021.</li> <li>7. Five day Faculty development programme "Inculcating Universal Human values in Technical education" organized by AICTE from 12/07/2021 to 16/07/2021.</li> <li>8. One week Faculty development programme on “Research Practices in Thermo-Fluid and Renewable Energy Systems” organized by department of mechanical engineering, Sreenidhi Institute of Science and Technology, Yamnampet, Ghatkesar, Hyderabad, Telangana, 501301, from 28/06/2021 to 03/07/2021.</li> <li>9. Five day Faculty development programme on "Recent Trends in Advanced Materials Science &amp; Engineering Technology" during 8/3/2021 to 12/3/2021 organized by department of chemistry,CBIT,Hyderabad.organized by National Institute of Technology (NIT) Patna.</li> <li>10. Five day online Faculty development programme on Universal Human values for Deeksharambh(Student Induction programme ) during 23/11/2020 to 27/11/2020.</li> <li>11. One week Refresher course on Bharathiya Chaitanyam during 29/6/2020 to 5/7/2020. organized by Geervana Bharathi, CBIT, Hyderabad.</li> </ol>	

12. A one week faculty development programme on "Outcome based education and NBA Accreditation process"during 28-05-2020 to 01-06-2020.
13. Capacity building training programme on "IP strategy for startups and Entrepreneurs during 14-10-2019 to 18-10-2019 at National Institute for Micro,Small and medium enterprises(ni-msme),Yousufguda,Hyderabad,500045.
14. 4. Refresher Course during 02-03-2015 to 24-03-2015 conducted by JNTU-Hyderabad.
15. 5.77<sup>th</sup> Orientation Course during 17-10-2013 to 16-11-2013 conducted by Academic staff college, Osmania University, Hyderabad.

**rence/Seminar/Symposia/fdp/Workshops Organized**

1. Facilitated STTP on "Smart material processing and applications." Organized by NITTR Chandigarh from 25/07/2022 to 29/07/2022"where CBIT was a remote center
2. Facilitated an alumni talk with Madhava Tirukovela in March 2022.
3. organized a webinar on " Entrepreneurship for Biotechnologists" on 12/02/2021 by Dr.Zahoorullah.S.MD, Chief innovation officer, ATAL Incubation Centre, ALEAP Industrial estate JNTU, Kukatpally, Hyderabad at CBIT, Hyderabad.
4. Organized a webinar on "IPR-Trademarks-GI-Case studies in Biotechnology" on 23/04/2021 by Mr. M. Vijay Kumar, Technical member, Trade Marks, Intellectual property Appellate Board. Government of India.
5. Organized a Guest Lecture on Relevance of Environmental concerns in the context of innovation start-ups and entrepreneurship on 27<sup>th</sup> September 2020 from 10:30 am to 12:00P CBIT Gandipet Hyderabad-500075
6. Worked as Coordinator in conducting One Week Webinar cum Faculty Development Program Series on "Current Progress and Future Prospects of Biotechnology", organized by the Department of Biotechnology, CBIT in association with Andhra Pradesh Akademi of Sciences from 08<sup>th</sup> to 13<sup>th</sup> June 2020.
7. Worked as organizing committee member in conducting Two-day National level technical symposium entitled "NEOZION' 19" September 2019.
8. Conducted a two day National level workshop on "Innovations on waste treatment to generate bioenergy" during 06-042016 to 07-04-2016 at CBIT,Gandipet,Hyderabad-500075
9. Worked as organizing committee member in conducting Two-day National level technical symposium entitled "NEOZION' 17" on September 2017.
10. Organized Technical Symposium NEOZION in 2016 at CBIT.

**Workshops/webinars Attended:**

1. Webinar on "Journey across Genome" organized by FABA academy on 04/8/2022.
2. Webinar on "RNAi technologies and Career Opportunities" organized by FABA academy on 22/7/2022.
3. Workshop on "Nanoscale Characterization and analysis " organized by Department of Applied Science ,NITTR Chandigarh from 10/3/2022 to 13/03/2022.
4. Webinar on "Industrial and Environmental Biotechnology: Biomass to Biofuels & Chemicals".
5. Webinar on "National Intellectual Property Awareness Mission "by Faculty of University College of Technology, Osmania University, Hyderabad, Telangana, India 26/04/2022

		<ol style="list-style-type: none"> <li>6. Webinar on "ESG (Environmental, social and Governance)" in FMCG sector organized by ASSOCHAM council on Environment and climate change 22/07/2021.</li> <li>7. Workshop on "Patents, trademarks and copyrights" organized by ACIC-CBIT and IIC –CBIT from 17/07/2021 .</li> <li>8. "how to jump start your career in Artificial Intelligence and Machine learning" organized by MIDHANI on 8/7/2021</li> <li>9. Participated in the IIC Online Sessions Conducted by Institutions Innovation council of MHRD's Innovation cell to promote innovation, IPR, Entrepreneurship and start-ups among HEIs from 28<sup>th</sup> April to 22<sup>nd</sup> May 2020</li> <li>10. Leadership Talk with Shridhar Venkat, CEO (Akshay Patra Foundation) held on 20th June 2020 by MHRD'</li> <li>11. Leadership Talk with Shashi Shekhar, (CEO- Prasar Bharati ) held on 11th July 2020 by MHRD.</li> <li>12. Attended workshop "Patent search on aspects of Search strategies and techniques" at CBIT, Hyderabad on 20th July, 2019.</li> <li>13. Workshop on Innovations in Waste, Water, and Energy Technologies for Rural Development during 13<sup>th</sup> and 14<sup>th</sup> July 2015.</li> </ol>
22	Details of Journal Publications/ Conferences (National and International)	
	<b>International Publications:</b> <ol style="list-style-type: none"> <li>1. Sumithra.S, Swamy.A.V.N and Basava Rao V.V.V , Experimental studies on lactose biodegradation of dairy effluent by K.lactis.,international journal of advanced research.volume(4),issue-7,2196-2200,2016,issn no-2320-54079 impact factor-5.336.</li> <li>2. Sumithra.S, Swamy.A.V.N and Basava Rao V.V.V, Aerobic biodegradation of dairy wastewater by fluidized bed bio reactor. international journal of advanced research. volume(4),issue-12,2196-2200,2016,issn no-2703-2706 impact factor-6.118.</li> <li>3. Sumithra.S,Implementation of bioremediation concept in the treatment of textile effluent. international journal of advanced research.volume(7),issue-5,1289-1293,2019,issn no-2320-5407 impact factor-7.08</li> <li>4. PV Parvati Sai Arun, Vineetha Yarlagadda, Govindugari Vijaya Laxmi, and Sumithra Salla Computational analysis of the hypothetical protein P9303_05031,2019 from marine Cyanobacterium Prochlorococcus marinus MIT 9303,</li> </ol>	