



BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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DEPARTMENT OF CHEMICAL ENGINEERING

Annual News Letter (2023-2024)



- A journey of an excellence from creativity to productivity

Contents of the issue:

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- About the Department
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- Grandaunts List of 2020-2024

VISION OF THE INSTITUTE

"To be center of excellence recognized nationally and internationally, in distinctive areas of engineering education and research, based on a culture of innovation and invention."

MISSION OF THE INSTITUTE

"BIET contributes to the growth and development of its students by imparting a board based engineering education and empowering them to be successful in their chosen field by inculcating in them positive approach, leadership qualities and ethical values."

VISION OF THE DEPARTMENT

"To train and generate efficient manpower required for effective management of core / allied industries, have a thrust for innovation, undertaking need based research who contributes to Global knowledge and wealth."

MISSION OF THE DEPARTMENT

M1: To offer a quality and efficient undergraduate program in Chemical Engineering required for successful professional career.

M2: To produce graduates who have ability for creative thinking and an urge for continued learning.

M3: To practice sustainability and promote eco-friendly processes which benefit engineering profession and society.

PROGRAM EDUCATIONAL OBJECTIVES OF DEPARTMENT

PEO1: Capability to advance professionally in their chosen career, wherein they apply their professional and generic skills, acquired during their course of training.

PEO2: Exhibit leadership qualities and collaborate successfully while working in multidisciplinary teams to tackle multifaceted problems of industry, society and government.

PEO3: Ability to design, scale up and regulate systems which meet specific needs of economic, environment and public safety.

PROGRAM SPECIFIC OUTCOMES (PSO'S) OF DEPARTMENT

PSO1: Demonstrate the professional and generic skills needed to apply the principles of Chemical engineering in solving real-time problems, acquired during their course of training.

PSO2: Able to undertake independent research and engage themselves in lifelong learning.

PSO3: Play a lead role and exhibit economic, professional and ethical values at their professional career.

ABOUT THE DEPARTMENT

Department of Chemical Engineering, BIET, with an intake of 30 students, under Kuvempu University was established during the academic year 1996-97. At present, the department is permanently affiliated to VTU Belgaum. The department is recognized as Research Center and offers Ph. D. in Chemical Engg. Department is accredited by “The Institution of Engineers India, Kolkata” and two times accredited by National Board of Accreditation (NBA), New-Delhi. Department is housed in a permanent building, which has seven laboratories, two lecture halls, a seminar hall, one drawing hall, five faculty rooms and a departmental reading room cum library with a built-up area of 1000 sq. meters and a fixed capital investments of around Rs. 2.00 Crores.

Department has 1 Professor, 1 Associate Professor and 3 Assistant Professors. Three faculty members have PhD degree and guide research students. Department is actively involved in research activities and received research grant to the tune of 65 lakhs from Govt. agencies. Development of bio fuels like bio diesel, bio ethanol from biomass, pyrolytic oil from municipal solid wastes. VGST, Govt of Karnataka has sanctioned Rs 30 lakhs under CISE Grants, Sophisticated

equipment like Super critical Extractor and FTIR have been imported at the cost of 27 lakhs. Average pass percentage of the students is 93% and the department students have bagged 16 University ranks including 3 first ranks. 52 student's projects have been sponsored by KSCST with a total financial grant of around 1.5 Lakhs. Many of our students have qualified in GATE, GRE and GMAT examinations and are pursuing higher studies in India and abroad. The department has very good placement record with 90% of students placed in on/off campus recruitments. Students of the department are working in reputed companies like TCS, MCF, BIOCON, CIPLA, BASF, Reliance, Jindal, Syngene, etc. Department conducts many events for the benefit of the students. Every year National Level Students' symposium “Chemexcel” is being conducted. In addition guest lectures/invited talks, industrial visits, in-plant training and group discussions are regularly arranged along with sports and cultural competitions.

News Letter Committee

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Assistant Professor

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Associate Professor

Sri. Amaranth P C

Assistant Professor

Student Editors

Shravya P S

Sahana G Naik

MESSAGE FROM HOD'S DESK:



Dear students and faculty members, it is matter of great pride that we are bringing out second newsletter of chemical engineering department. Technological and scientific advancement are taking place at very fast pace in the world. In such an environment industry demands highly qualified, skilled and efficient engineers who contribute to the needs of industry and society. Right now, we are in the midst of corona virus pandemic and the disease has devastated not only India but the whole world. The pandemic has caused the economic devastation, loss of livelihood of the people and severe labour migration problems in India. In spite of all the hardships, let us hope that the situation will improve and we will come out of this crisis very soon. Though the lock down has slowed the wheels of economy, demand remain very high for chemical engineering students. Department is fortunate to highly qualified staff with 3 faculty holding PhD degrees. We have very good research infrastructure for both students and faculty. We express our gratitude for our alumni for their service to the department and helping recruit our students.

-Dr. C. M. Kalleshappa

Professor and Head

ACTIVITIES ORGANISED BY DEPARTMENT:

Mr. Rama Krishna Naik, Industry expert gave lecture for students regarding continuous improvements in industries on 11-12-2023



Dr. Satakarni Makkapati, PRESIDENT, CuraTeQ Biologics Pvt Ltd (a subsidiary of Aurobindo Pharma Ltd) gave lecture for students regarding opportunities for Chemical and Biotechnology students on 09-12-2023.



All the students of the department (2nd, 3rd and 4th Year) along with five faculty members visited JSW paints, Toranagallu. On 19-12-2023.



Department of Chemical Engineering organized Five-day Skill development program on “Communication Skill” from 22nd to 26th January 2024.



Departmental Alumni Nitin Kumar, Principal Consultant, Wipro Ltd gave lecture on “Industry Expectations from Chemical Engineers” on 29th May 2024.



Department of Chemical Engineering organized Five-day Skill development program on “Process Safety Management and Biological Data Analysis” from 24th July to 28th July 2024.



ACTIVITIES ATTENDED BY STUDENTS:

18 Students along with two faculty members attended 3 day Student Outreach Program and Icon Lectures organized by ChemTech-2023 from 3rd to 6th March 2024 at Mumbai.



Six students from the Department cleared NPTEL Exams during year 2023-24.

STUDENTS ACHEIVEMENTS:

Sl. No.	Student Name	Award
1	Sahana G Naik	<ul style="list-style-type: none">• VTU Gold Medalist (1st Rank)• First Topper in Chemical Engg.• Topper in Mass Transfer Subject
2	Shravya P S	<ul style="list-style-type: none">• VTU 2nd Rank• Second Topper in Chemical Engg.• Topper in Mass Transfer Subject
3	Hema B R	<ul style="list-style-type: none">• VTU 4th Rank• Topper in Mass Transfer Subject

PATENTS AND PUBLICATIONS:

Book Chapter:

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Year of publication	ISBN number of the proceeding	Name of the publisher
1	Shashikala K J Srinidhi R Kulkarni Dr. C. M Kalleshappa	Futuristic Trends in Chemical, Material Sciences & Nano Technology	Thermophilic Consortia for Methane Production Through Biochemical Digestion of Rice Straw	2024	E-ISBN: 978-93-5747-442-9	IIP Series Selfypage Developers Pvt. Ltd.,
2	Amarnath P C Srinidhi R Kulkarni Praveen Kumar D. G	Futuristic Trends in Chemical, Material Sciences & Nano Technology	Eco-Friendly Fly Ash Composite Brick: A Novel Approach Towards Sustainable Development	2024	E-ISBN: 978-93-5747-442-9	IIP Series Selfypage Developers Pvt. Ltd.,

Patent Publication:

Title: Automated Footstep with Footwear Sole cleaning Mechanism for Automobiles.

Application Number: 202441032004-A.

Publication Date: 26-04-2024.

Name of Applicant: Dr. Praveen Kumar D G, Associate Professor.

Paper Publication:

SL NO	Title of paper	Name of the author/s	Name of journal	Month and Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
1	Biogenic Blend of Calcium Covered Zinc Oxide Nanoparticles from Beetroot Concentrate for Decolorization of Wastewater	Kalleshappa C M, Srinidhi R Kulkarni, Praveen Kumar D G, Shashikala K J, Amarnath P C	International Research Journal of Engineering and Technology (IRJET)	September 2024	e-ISSN: 2395-0056 p-ISSN: 2395-0072	.https://www.irjet.net/

FDP ATTENDED BY FACULTY MEMBERS:

Name of the participant	Designation	Title of the FDP /MDP/ professional development / administrative training program	Dates (from-to) (DD-MM-YYYY)
Dr. Kalleshappa C. M	Professor & HOD	Recent innovations in green and sustainable energy	23-02-2024 to 29-02-2024
Dr. Praveen Kumar D. G	Associate Professor	Recent innovations in green and sustainable energy	23-02-2024 to 29-02-2024
Amarnath P. C	Assistant Professor	Recent innovations in green and sustainable energy	23-02-2024 to 29-02-2024
Shashikala K.J	Assistant Professor	Mastering IOT:Hands on Training for Sensor Intigration, Devices and Cloud Servicess	04-12-2023 to 09-12-2023
Srinidhi R Kulkarni	Assistant Professor	Mastering IOT:Hands on Training for Sensor Intigration, Devices and Cloud Servicess	04-12-2023 to 09-12-2023

PLACEMENT AND HIGHER STUDIES LIST 2020-2024

SL.No	USN	Name of the Student	Name of the Company Placed
1	4BD20CH001	ADITHYA SANTHOSHA	UHP TECHNOLOGIES PVT LTD
2	4BD20CH002	AKASH S KULKARNI	EPSILON CARBON PVT LTD
3	4BD20CH003	CHANDRASHEKHAR DHARAWAD	UHP TECHNOLOGIES PVT LTD
4	4BD20CH004	CHE TAN G MENASINAHAL	AURO PEPTIDES LTD
5	4BD20CH005	GEETA SAJJANAR	EPSILON CARBON PVT LTD
6	4BD20CH006	HEMA B R	EPSILON CARBON PVT LTD
7	4BD20CH007	K P HEMANTH	AURO PEPTIDES LTD
8	4BD20CH009	M SAISRINIVAS	UHP TECHNOLOGIES PVT LTD
9	4BD20CH014	SAHANA GANGADHAR NAIK	THERANYM BIOLOGICS LTD
10	4BD20CH015	SHRAVYA P S	THERANYM BIOLOGICS LTD
11	4BD20CH017	VEDAMURTHI N R	UHP TECHNOLOGIES PVT LTD
12	4BD21CH400	JANEESH C KARKERA	CARGILL INDIA PVT LTD
13	4BD21CH401	NITHISH	CARGILL INDIA PVT LTD
14	4BD21CH402	YASHWITH	CARGILL INDIA PVT LTD

SL.No	USN	Name of the Student	University Name
1	4BD20CH008	KSHAMA H K	

GRADUATES LIST 2020-2024

SL.NO	USN	STUDENT NAME	EMAIL ID	CONTACT NO
1	4BD20CH001	ADITHYA SANTHOSHA DEVAMORE	adithyadevamore@gmail.com	9148208960
2	4BD20CH002	AKASH S KULKARNI	kulkarniakash554@gmail.com	7353576504
3	4BD20CH003	CHANDRASHEKHAR DHARAWAD	chandrudharwad2@gmail.com	6361759677
4	4BD20CH004	CHETAN G MENASINAHAL	chetangmenasihal@gmail.com	7975184727
5	4BD20CH005	GEETA SAJJANAR	geethasajjanar2@gmail.com	9740413079
6	4BD20CH006	HEMA B R	hemabr2002@gmail.com	9353414262
7	4BD20CH007	K P HEMANTH	hemanthkp615@gmail.com	9740972783
8	4BD20CH008	KSHAMA H K	kshamakeshav1812003@gmail.com	7619626512
9	4BD20CH009	M SAISRINIVAS	saisrinivas2003@gmail.com	6361503576
10	4BD20CH012	NIDHI G	nidhiramarath75@gmail.com	7760519121
11	4BD20CH014	SAHANA GANGADHAR NAIK	sahananaik111555@gmail.com	6361037607
12	4BD20CH015	SHRAVYA P S	shravyaps04@gmail.com	8792132974
13	4BD20CH017	VEDAMURTHI N R	vedamarthnr@gmail.com	8431124046
14	4BD21CH400	JANEESH C KARKERA	janeesh14@gmail.com	8125678145
15	4BD21CH401	NITHISH	nithishd@gmail.com	8861402533
16	4BD21CH402	YASHWITH	yashwkrumpala@gmail.com	8660429682

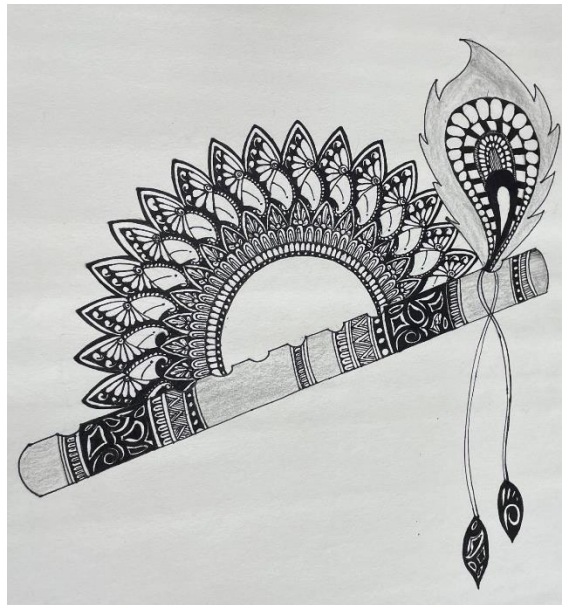
GROUP PHOTO 2020-2024 BATCH



ART GALLERY



Shravya P S
8th Semester
4BD20CH015





POEMS



ಸಹನಾ ಗಂಗಾಧರ್ ನಾಯ್ಕ

8 ನೇ ಸೆಮೀಷ್ಟರ್

ಕೆಮಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್

ಭೂಮಿಯ ಅಳಲು

ಭೂಮಿಯ ಅಳಲು

ಚಲಿಸುತ್ತಿದೆ ಜಗವೂ

ಅದ್ಯಾವುದೋ ಮನುಷ್ಯನ

ಚಲನಾ ಶಕ್ತಿಯಿಂದ

ಪರಶುರಾಮನ ಸೃಷ್ಟಿಯಾಗಿತ್ತು ಅಂದು

ಮಾನವನ ಸ್ವಾರ್ಥಕ್ಕೆ ಅಳಿದು ಉಳಿದ ನೆಲವಾಗಿದೆ ಇಂದು

ಕಪ್ಪುಗಟ್ಟಿದ ಆಕಾಶ ಮರಗುತ್ತಿದೆ

ತನ್ನ ತಿಳಿ ನೀಲಿಯ ಬಣ್ಣವನ್ನು ನೆನೆದು ಕರಗುತ್ತಿದೆ

ಬೆಳಕು ಹಾದು ಹೋಗಲಾರದಷ್ಟು ಕಪ್ಪು ತುಂಬಿತ್ತು ಕಾಡಿನಲ್ಲಿ

ಇಂದು ಬರಡಾಗಿ ನಿಂತಿದೆ ಉರಿಯುವ ಬಿಸಿಲಿನಲ್ಲಿ

ಪ್ರಕೃತಿಯು ಕಲಿಸಿತ್ತು ಸಹನೆ, ನಿಸ್ವಾರ್ಥದ ಬದುಕನ್ನು

ಇಂದು ಮನುಜನ ಸ್ವಾರ್ಥದ ಬೆಳವಣಿಗೆ ಹೇಳುತ್ತಿದೆ ಅವನ ಪರಿಪಾರವನ್ನು

ಶುದ್ಧ ಮನಸ್ಸಿನಿಂದ ಪರಿಶುದ್ಧ ಗಾಳಿ ನೀಡುತ್ತಿದ್ದ ಮರವೊಂದು

ತನ್ನ ಗುರುತನ್ನು ಮರೆಮಾಚಿ ಮನುಷ್ಯನ ಅನುಕೂಲಕ್ಕೆ ತಕ್ಕಂತೆ ಬದಲಾಗಿದೆ

ಇಂದು

ನಿಸರ್ಗದ ಮಡಿಲಿನಲ್ಲಿ ನಿಂತು ಮಗುವಾಗಿ ಒಮ್ಮೆ ಆಲಿಸು ನೀನು

ಮನ ಬಿಚ್ಚಿ ಹೇಳುವುದು ತನ್ನ ಒಡಲ ಅಳಲನ್ನು