



BAPUJI EDUCATIONAL ASSOCIATION (R)
BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Post Box No.325, Davangere-577004.Karnataka-India
DEPARTMENT OF CHEMICAL ENGINEERING

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Annual News Letter (2020-2021)

Volume IV

CHEMICAL POSTS & GLOBE



- A journey of an excellence from creativity to productivity

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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 inculcated during their training.

PEO2: Exhibit leadership qualities and collaborate successfully while working in multidisciplinary teams to tackle multifaceted problems.

PEO3: Ability to design scale up and regulate systems which meet specific needs economic environment 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 life-long 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.

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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

Associate Professor and Head

Department of Chemical Engineering

ASSOCIATION ACTIVITIES

- Dr C. M Kalleshappa, Dr. G. P Desai, Dr. DG Praveen Kumar, Mr. Amarnath PC, Smt. Sashikala KJ attended a FDP on “Recent Advancement in Nanoparticle Films and Membranes” organised by SIT Tumkur, Department of Chemical Engineering from 10th August 2020 to 14th August 2020.
- Dr C. M Kalleshappa, Dr. G. P Desai Dr. DG Praveen Kumar, Mr. Amarnath P. C and Smt. Shashikala K. J attended virtual labs- VTU Faculty Development Program from 19/09/2020 to 23/09/2020 organised by VTU in association with NITK Surathkal-resource person Prof. K. V. Gangadharan.
- Department of chemical Engineering organized a “Virtual Alumni Meet-2020” on 19/12/2020 at 10:30 p.m. totally 30 alumni participated in the meeting.
- Department of chemical Engineering organized a virtual parents teachers meet-2021 at 10:30 on 02/01/2021 totally 30 number of parents participated in the meeting.
- Dr. C. M.Kalleshappa HOD department of chemical Engineering delivered a lecture on “Introduction to Chemical Engineering department at student induction program-2020 on 14/12/2020 organized by epartment of Basic Science BIET Davangere.
- “Super critical extraction of Oleoresion from Chili” has been selected for funding byNAIN. The project was mentored by Dr. Praveen Kumar. D. G, Dr. C. M. Kalleshappa.
- Dr. Praveen Kumar D. G with co- authors Dr. C. M Kalleshappa, Mr. Amarnath P. C and Smt. Shashikala K. J published paper on title “Effective Adsorbent; Evaluation of Adsorptive Characteristics for 4-Nitroadeline Removal” in International Journal for Modern Trends in Science and Technology, Volume 7, Issue 05, May 2021, ISSN:2455-3778.

- A webinar on Environmental Management at JSW Steel Ltd. was organized by Department of Chemical Engineering in association with IEI Davangere local centre on 01/07/2021. Dr. R. T. Srinivas Rao General Manager from JSW Toranagallu was the chief resource person.
- BIET in association with Davangere District Health department conducted vaccination drive in the institute on 6/7/2021 for the students and staff of BIET. Six students of 4th, 6th and 8th semester got vaccinated. Students vaccinated. Ravikiran M Badiger, Jessica Prakash, Sharan Kumar V Kumari, ShrutiKM, Geetanjali B, Pooja N S, Khada rBhasha Dr. Praveen Kumar D. G- Staff.
- Inauguration of forum activity and welcome to 2nd year students was conducted on 12/8/2021 and farewell to final year students was connected on 12/8/2021.
- Three project group students of final year participated in Nirmana 1.0 virtual project exhibition- 2021 held at BIET on 13/08/2021. Nirmana virtual project exhibition was inaugurated by Srinath Kalamdani, DGM, Mercedes Benz, Bangalore, Kshitij Basavaraj, Director PSK Pharma was expert to evaluate the projects.
- Open house project exhibition Technovation-21 was held at SSM Auditorium on 04/09/2021 about sixty projects from the institutes which are funded by VTU, KSCST and the institutes were displayed in the exhibition. Three projects from the Chemical Engineering Department are also displayed. Dr. Bhagyavan Mudigowda project Director, Department of Higher Education, Government of Karnataka and Mallikarjun S Holi, Principal UBDT were the chief guest.

Participation in Inter-Institute Events / Certified Courses by Students in 2020-2021

Sl. No.	Date	Name of the student	Event	Organized by	Remarks
1.	07-10-2020	Prajwal E U	Online course on New Models of Business in Society	Course offered through Coursera, Duke of Virginia and Darden School of Business	Course Completed
2.	08-10-2020	Prajwal E U	Online course on "Safety in the Utility Industry"	University at Buffalo and The State University of New York through "COURSERA"	Course Completed
3.	30-08-2021	Sharan Kumar V Kumari	Online course on Safety in the Utility Industry	Course offered through Coursera, University of Buffalo State University of New York	Course Completed
4.	03-09-2021	Sharan Kumar V Kumari	Online course on Problem Solving with Excel	Course offered through Coursera, PwC	Course Completed
5.	28-09-2021	Veeraj S B	Online course on Safety in the Utility Industry	Course offered through Coursera, University of Buffalo State University of New York	Course Completed
6.	20-10-2021	Sharan Kumar V Kumari	Online course on Introduction to Programming with MATLAB	Course offered through Coursera, Vanderbilt University	Course Completed

Placement Details for Academic Year 2020-2021

Sl. No.	Student Name	USN	Name of the Employer/ University	Appointment Order No.	On/Off Campus Placement
1	Abhishek N Nath	4BD17CH001	AT&S India Private Limited, Nanjangud, Mysore	AT & S/HR/GET/2021, dated 13-10-2021	Off
2.	Amulya G V	4BD17CH002	Prakruti Products Pvt. Ltd. Tumkur	Dated 20-12-2021	Off
3.	Amulya T M	4BD17CH003	Biocon Ltd, Bangalore	BL/HR/LET_OFRR/6521 dated 22-04-2022	Off
4.	Ananda Rupe	4BD17CH004	AKXA Tech Pvt. Ltd., Belagavi.	21-22/HR/032, dated 26-08-2021	Off
5.	Balaji	4BD17CH005	CiplaLtd., Bangalore	OFFER ID: 64782-241612-230153, dated on 07-03-2022	Off
6.	Faizal Abdulrazak Hombaradi	4BD17CH006	AKXA Tech Pvt. Ltd., Belagavi.	22-23/HR/058, dated 27-07-2022	Off
7.	Karthik H H	4BD17CH007	Bal Pharma Ltd., Bengaluru	BAL/HRD/OFFER/153 /2021-22, dated on 21-12-2021	Off
8.	Khader Basha M	4BD17CH008	Layam Flexi Solutions Pvt. Ltd., Chennai	LF/A/14124, dated on 31-01-2022	Off
9.	Kolli Chandana	4BD17CH009	Lensys Tecnlogies Pvt.Ltd., Hyderabad	Dated on 02-02-2022	Off
10.	Mallikarjun Hiremath	4BD17CH010	AKXA Tech Pvt. Ltd., Belagavi.	22-23/HR/037, dated 26-08-2021	Off
11.	Manoj B K	4BD17CH011	Anthem Biosciences Pvt. Ltd., Bengaluru	HRD/OFF/LETTER/10, dated on 01-09-2021	Off
12.	Megharaj H H	4BD17CH012	Anthem Biosciences Pvt. Ltd., Bengaluru	HRD/OFF/LETTER/11, dated on 01-09-2021	Off
13.	Nagaveni	4BD17CH013	Biocon Limited. Bengaluru	BL/HR/LET_OFRR/4435 dated on 1-03-2021	Off
14.	Nandeesh D R	4BD17CH014	PAI & PAI Chemicals (India) Pvt.Ltd, Benagalore	PPC/NDR/2021-22, dated on 1-10-2021	Off
15.	Rahul Kumar A S	4BD17CH015	Biocon Ltd, Bangalore	BL/HR/LET_OFRR/4433 dated on 1-01-2021	Off
16.	Rakesh G	4BD17CH016	CiplaLtd., Bangalore	Offer Id:68593-185482-27038, dated on 11-08-2022	Off

Sl. No.	Student Name	USN	Name of the Employer/ University	Appointment Order No.	On/Off Campus Placement
17.	Rithik R	4BD17CH017	Organic Aromatics Pvt.Ltd.Bangalore	Dated on 29-01-2022	Off
18.	Sahana H K	4BD17CH018	BASF India Ltd, Mangalore	Reg. No. 559351, dated on 02-11-2021	Off
19.	Sammed Patil	4BD17CH019	BASF India Ltd, Mangalore	Reg. No. 569645, dated on 02-11-2021	Off
20.	Sanjay A H	4BD17CH020	PAI & PAI Chemicals (India) Pvt Ltd. Benagalore	PPC/NDR/2021-22, dated on 18-01-2021	Off
21.	Seema K	4BD17CH022	Biocon Ltd, Bangalore	B//HR/LET_0FR/4428, Dated on 1-03-2021	Off
22.	Varun C K	4BD17CH027	Cargill India Pvt. Ltd., Belludi, Harihar	Ref. No. 5240494, dated on 1-03-2021	Off
23.	Yashraj Patil	4BD17CH028	AT & S India Pvt Ltd, Nanjangud	AT & S/HR/GET/2021, dated on 18-09-2021	Off
24.	Akib Khan H S	4BD17CH029	Layam Flexi Solutions Pvt. Ltd., Chennai	LF/A/14118, dated on 31-01-2022	Off
25.	Guruprasad	4BD18CH400	Cargill India Pvt. Ltd., Belludi, Harihar	Ref. No. 5240496, Dated on 17-09-2021	Off