

**BINESWAR BRAHMA ENGINEERING
COLLGE,
KOKRAJHAR, ASSAM-783370**

**DEPARTMENT OF CHEMICAL
ENGINEERING**

**Training & Placement Cell
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<http://www.bbec.ac.in>**



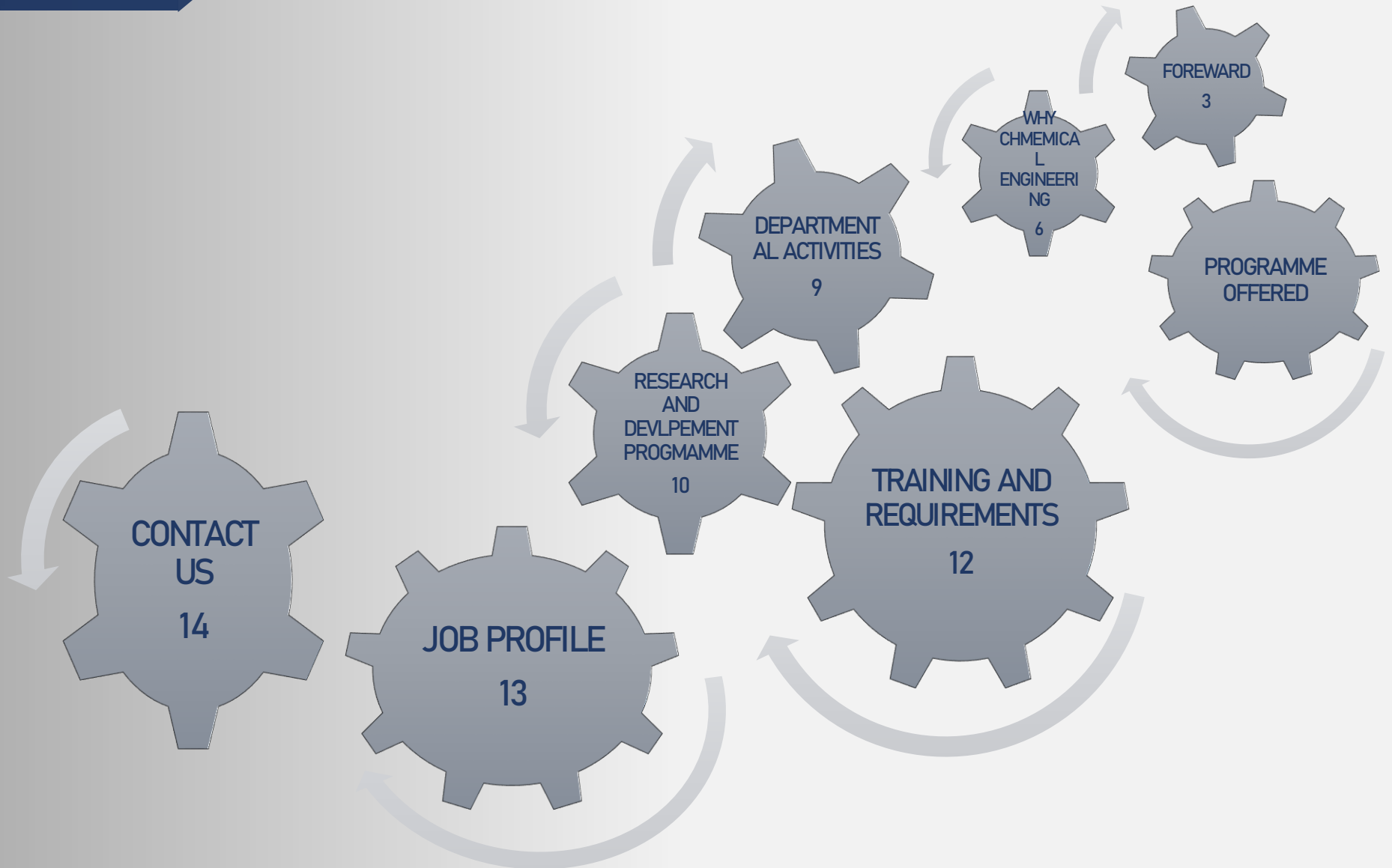
Placement

Brochure

2020-2021



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FROM THE HEAD OF THE INSTITUTE

“Bineswar Brahma Engineering College (BBEC) is the 3rd Govt. engineering college of Assam and 2nd govt. engineering college after Assam Engineering. College under Guwahati University. From last year, the college is under the shades of TEQIP (Technical Education Quality Improvement Programme) as a project under NPIU (National Project Implementation Unit), Govt. of India. In Assam, only two colleges (including both govt. and private sectors) offer undergraduate courses in Chemical Engineering- our college is one of the two colleges, in fact if I consider the BTAD area, our college is the pioneer in Chemical Engineering. It our dream to see our students' name (from both chemical and electrical branch) in the top positions in the ranks list of Guwahati Univ. From this academic year, our college have started Civil and Mechanical branches under the affiliation of ASTU. Our institute follows a modern and dynamic curriculum with faculty members using innovative teaching pedagogy. The performance of BBEC alumni are always appreciated and today, most of our alumni are well placed in different organizations. Some are doing their Master Degrees/Ph.D. from reputed institutions of India. Lastly, as a Principal of BBEC, it gives me immense pleasure to take this opportunity to invite you to the Institute's Placement Program of 2019-20. I hope our student would not only meet your requirements but even surpass your expectations.”



Dr. Kamal Kumar Brahma

Brahma Bineswar Brahma Engineering College,
Kokrajhar, Assam



FROM THE HEAD OF THE DEPARTMENT

Department of Chemical engineering at Bineswar Brahma Engineering College, Kokrajhar houses an excellent milieu of able staff members, state of the art laboratories and a large number of meritorious students pursuing B.E programme. Over students do gets trained in real life work environment through internships in various industries and universities. The alumni of the department have proven their competence by excelling in same of the mist competitive environments around the globe. As HoD , I proudly present the current B.E. Batch to all potential recruiters. For new recruiters, we can confident that the excellence of the current batch will catalyse the beginning of a long and prosperous relationship with BBEC Kokrajhar.



Mr. Hemantajeet Medhi

Department of Chemical Engineering Bineswar
Brahma Engineering College, Kokrajhar



FROM THE TRAINING & PLACEMENT COORDINATOR

It gives us immense pleasure to extend to you a most cordial invitation to participate in the Campus Recruitment Programme of the Bineswar Brahma Engineering College (BBEC), Kokrajhar. With an increasing thrust being placed on Institute-Industry Interaction, it is my sincere belief that your esteemed organization and BBEC, Kokrajhar stand to gain immensely from this symbiotic relationship. Our Institute holds the pride of place being pioneers in the field of engineering and technical education. our constant pursuit of excellence has made our institute a focal point in technical education for students and faculty members alike At BBEC, Kokrajhar we take care to groom our students according to the needs of the industry. We seek to open frontiers of knowledge and reveal new horizons of change, to broaden mindsets and to create positive attitudes in our students. Our students get a lot of industrial exposure by their frequent industrial visits. Besides, our undergraduate students undergo an eight-week training in their summer vacations in reputed industries/institutions/organizations, as part of their academic requirements. Please feel free to contact the Training & Placement Office should you require any further information/clarification.

Looking forward to a mutually beneficial relationship and with regards,



Mr. Harsh Vardhan
Training and Placement Coordinator



WHY CHEMICAL ENGINEERING



The Chemical Engineering Department at Bineswar Brahma Engineering College, Kokrajhar started in the year 2008, & strives for excellence in research & high quality education. The department is a major academic host offering B. Tech, B. E. in Chemical Engineering. Our academic programme is meticulously designed to equip students with fundamental understanding on the subjects of Chemical Engineering. We keep good balance between theoretical and laboratory based practical courses. Apart from this, the department is also engaged in various R&D and consultancy projects in various organizations. The department is endowed with young, vibrant and dynamic faculty well qualified to impart high quality teaching and research in conventional and frontier areas of Chemical Engineering. Our alumni have distinguished themselves both in academia and industry, and continue to inspire our current generation of students.



PROGRAMME OFFERED

The Department of Chemical Engineering offers both the B.Tech. and B. E. in Chemical Engineering to the candidates selected through CEE (Combine Entrance Examination). The Programme imparts fundamentals of Chemical Engineering while simultaneously developing problem solving capabilities through its multi disciplinary curriculum. Students are encouraged to do Summer Internship. Students have to accomplish a Bachelor Thesis Project in their last year of the programme.

Basic courses offered

- ✓ Fluid Mechanics
- ✓ Thermodynamics
- ✓ Chemical Reaction Engineering
- ✓ Mass Transfer
- ✓ Heat Transfer
- ✓ Mechanical Operation
- ✓ Process Calculation
- ✓ Process Dynamics & Control
- ✓ Chemical Technology
- ✓ Plant Design & Economics

Apart from these the students of this department are taking minor degree from other branches like Computer Science and Engineering, Mechanical Engineering and Graphics Design. These minor degree are taken from other institute like IIT, NITs and from departmental computer lab.





PROGRAMME OFFERED



The department has several well established laboratories with experienced and highly talent lab assistants. They are Mechanical operation lab (MO), Process control lab (PC), Heat transfer operation lab (HTO), Chemical reaction engineering lab (CRE), Fluid flow operation lab (FFO), Mass transfer operation lab (MTO), Energy and Petroleum engineering lab (E&P), Computer lab (CS) and a High Pressure Reactor lab.

The experimental facilities on this lab includes, Bernoulli expt, Reynold's expt, Flow measuring instrument like: Venturi meter, Rotameter, Orifice meter, Pitot tube and all the fluid related instrument.



DEPARTMENT ACTIVITIES



Technical Education Quality Improvement Program Phase -III (TEQIP -III) is a prestigious Project of the Ministry of Human Resource Development, Government of India, in collaboration with the World Bank. The project is basically aimed at improving the quality of technical education in the country and enhance existing capacities of the institutions to become dynamic, demand - driven, quality conscious, efficient and forward looking, responsive to rapid economic and technological developments occurring both at national and international levels.



Rashtriya Uchcharat Shiksha Abhiyan (RUSA) is a Centrally Sponsored Scheme (CSS), launched in 2013 aims at providing strategic funding to eligible state higher educational institutions. The main objective of RUSA is to Improve the overall quality of state institutions by ensuring conformity to prescribed norms and standards and adopt accreditation as a mandatory quality assurance framework.



Unnat Bharat Abhiyan is the vision of the Hon'ble Prime Minister of India for bringing about transformational change in rural development processes by leveraging knowledge institutions to help build the architecture of an Inclusive India. BBEC Kokrajhar feels proud to actively participate in this mission to make it success.



DEPARTMENT ACTIVITIES



The department supports IITChE (Indian Institute of Chemical Engineering Student Chapter) BBEC, Kokrajhar. It Provides them with a platform for exchange of information regarding the profession and to encourage discussion and views about the latest technical advancements taking place around the world in the field of Chemical Engineering. Its activities include lectures, orientation, activities, annual visit and career talks among others.



Centre for extra curriculum activities (CEA) was started in the year of 2017. CEA was set up with the primary aim is to provide a platform for extra activities to the students of BBEC, Kokrajhar. Its activities include music, literature, career talks, sports etc.



Engineering Council of India (ECI) give us an opportunity to build our career as our desireness. ECI provides us internships, industrial visit, industry institute summit and also provides the job opportunities to the students of BBEC, Kokrajhar

Apart from the departmental activities, students actively participate in the TECHNISIA (Annual Cultural Programme, BBEC, Kokrajhar) Dr, APJ Abdul Kalam memorial Debate competition, inter sports , quiz etc. The students participation in such activities amend their personality and help them to grow as a professional and prepares them for the competitive and progressive future.



RESEARCH & DEVELOPMENT PROGRAMME

The department has excellence research facilities. Recently our department got three major research projects from Assam Science and Technology university and under TEQIP#3 programme. The major research areas will be applied optimization, bio diesel, polymer.

The faculty of the department are actively involved in various sponsored and consultancy projects like

Sl No	Faculty members	Projects
1	Mr. Hemantajeet Medhi	<ul style="list-style-type: none">• A novel approach one pot glycerol free Biodiesel Production from low cost nonedible oils found in the Assam region.• Preparation of low cost activated carbons from waste biomass gasification tar.
2	Dr. Vineeta Gautam	<ul style="list-style-type: none">• Development of novel polyaniline based composite materials to fabricate electrochemical biosensors for detecting some common disease biomarkers.
3	Mr. Rajanikant Boro	<ul style="list-style-type: none">• Optimization of solar collectors for enhanced optimal and thermal efficiency.



Our past Training and placement

To further their academic training, experimental skills and research aptitude, students undergo summer internship after their even semesters which also gives them ample exposure to industrial work and lifestyle.

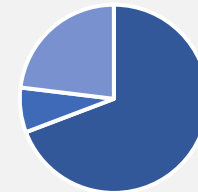
The students of BBEC, Kokrajhar got the industrial training and internships in various organization like

- Warwick University, UK
- Donk Eui University, South Korea
- IIT, Madras
- IIT, Guwahati
- NEHU
- NIEST
- IOCL
- BCPL
- PIE INFOCOMN
- APL
- CCI, BOKAJAN

- INFOSYS
- LUIT MINERALS
- PIE INFOCOMN

Highest salary offered	7.5
Average salary	4.5

Sales



■ LUIT MINERALS ■ INFOSYS ■ PIE INFOCOMN



JOB PROFILE

A chemical engineer is involved in the design, development, construction and operation of industrial processes for the production of a diverse range of products, as well as in commodity and specialty chemicals. They are also skilled enough to be in Quality Control, R&D and Supply Chain of various chemical products. Relevant industries include Oil and Gas, Pharmaceuticals, Fertilizers & Chemicals, Energy, Water treatment, Food & Drink, Plastics & Toiletries & Materials. Apart from the core jobs, the students from BBEC, KOKRAJHAR are prepared enough to take up jobs in Finance & Management Consultancy, Engineering & Manufacturing Consultancy, IT Sector etc.

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