

**BINESWAR BRAHMA ENGINEERING COLLEGE KOKRAJHAR**  
**Bijuleebari, Chandrapara, Assam-783370**



*Annual Report*  
*2019 -2020*

## **Vision:**

Strive to develop an institution of excellence in technical education & research to produce skilled and trained manpower of the highest quality Imbibing traditional cultural values to meet the growing technological & socioeconomic needs of our nation & the world at large and ethically strong, who in turn shall contribute to the advancement of society and humankind.

## **Mission:**

- To develop high quality technical education institution with emphasis on technical academic excellence, innovative research & development programmes with core human values.
- To develop a unique culture that instils responsibility and accountability in partnership with various stakeholders such as parents, society, business and education community,
- To develop the potential of human resources to meet the requirements of cutting-edge technology.
- To instill discipline in students and make them technologically superior and ethically strong
- To prepare all students for successful careers based on Strong Moral & Ethical Foundation.
- To enable the students to develop their own abilities & talents in order to discover their teaming potential to the fullest under the privilege guidance of highly qualified and dedicated faculty
- To create a work culture where teacher enjoys facilitation and learner enjoys learning for Research & Development as well as takes initiatives

## Values:

We value excellence, innovation, being genuine, diversity, respect for others, integrity, trusting, and being trustworthy. These qualities define us.

- The members of our community value, respect and trust one another, as evidenced by what we say and, more importantly, by what we do.
- Our people are our greatest asset.
- Our partners and contributors expect us to act with integrity. They trust us and expect us to trust them. They rely upon us to seek excellence, be collegial and collaborative and be focused on achieving mutual success.
- Our peers and evaluators know that what we say and do is grounded and accurate and they are justified in expecting excellence from us. They also know that we innovate as we seek to continuously improve.
- We employ and educate smart and creative people to do great things. We give them the resources to investigate, the freedom to experiment and the encouragement to excel.
- We believe that the answers to global challenges often lie among multiple disciplines. We commit to exploration that embraces diverse perspectives.

## The Institute:

**Address** : Bijuleebari, Chandrapara, Kokrajhar, Assam-783370

**Google location** : <https://goo.gl/maps/zGLAup8j8Qnhr3HV8>

**Website** : [www.bbec.ac.in](http://www.bbec.ac.in)





**ACADEMIC CALENDER**  
**BINESWAR BRAHMA ENGINEERING COLLEGE**  
**2019**

1-12 January	Winter Break
14-16 January	Magh Bihu Vacation
17 January	Even semester classes start
26 January	Republic Day
16-23 February	College Week (Technisia)
27 Feb-29 March	Even Semester Compartmental Examination
28 February	Birth Anniversary of Bineswar Brahma
5-8 March	Class Test-I
04-06 April	Class Test-II
13-16 April	Bohag Bihu Vacation
6 May	Submission of Clearance to the office for end semester examination
8-11 May	Filling up of form: Even semester regular examination
11 May	Even semester classes end
13-17 May	Laboratory Examination
22 May- 10 June	Even Semester regular examination
14-15 June	Final Year Project submission and viva voice examination
20 June- 19 July	Summer vacation
22-25 July	College admission for BE 1 <sup>ST</sup> , 3 <sup>RD</sup> , 5 <sup>TH</sup> , 7 <sup>TH</sup> semester
1 August	Odd semester classes start
15 <sup>th</sup> August	Independence Day
23 August- 25 September	Odd semester compartmental examination
2-5 September	Class Test-I
05-09 October	Puja Vacation
23-25 October	Class Test-II
4 November	Submission of Clearance to the office for end semester examination
5-8 November	Filling up of form: odd semester regular examination
9 November	Odd semester classes end
11-16 November	Laboratory Examination
20 Nov-10 December	Odd Semester regular examination
13-14 December	7 <sup>th</sup> semester Project submission and viva- voice examination
16-31 December	Winter Break

## The Authorities: Various Committees

### Bineswar Brahma Engineering College Kokrajhar (BTAD), Assam

#### ORDER

Various Committee for cater the environment of transparency and concept of good governance at Bineswar Brahma Engineering College, Kokrajhar

a. Academic Review Committee			
1	Chairman	Principal	Dr. Kamal Kumar Brahma
2	Members	All HOD's	Dr. Jotishmoy Bora
			Dr. Rupamjyoti Nath
			Mrs. Dibyajyoti Saikia
			Mr. Anjan Kumar Kakati
			Mr. Hemantajeet Medhi
			Dr. Dewananda Das
			Mr. Amullya Nath
			Mr. Dambrudhar Basumatary

b. Examination Committee			
1	Chairman	Principal	Dr. Kamal Kumar Brahma
2	Assistant Chairman	Exam Superintendent	Dr. Jotishmoy Bora
3	Faculty Members	Principal's Nominee	Mrs. Dibyajyoti Saikia
			Mr. Hemantajeet Medhi
			Mr. Anjan Kumar Kakati
			Mr. Dambrudhar Basumatary

c. Library Management Committee			
1	Chairman	Principal	Dr. Kamal Kumar Brahma
2	Deputy Chairman	Librarian	Mrs. Dhiru Barman
3	Members	HOD's from Core branch	Mrs. Dibyajyoti Saikia
			Mr. Hemantajeet Medhi
			Mr. Anjan Kumar Kakati
			Mr. Dambrudhar Basumatary

  
 Principal  
 Bineswar Brahma Engineering College  
 Kokrajhar  
 Bineswar Brahma Engineering College  
 Kokrajhar




d. Admission Committee			
1	Chairman	Principal	Dr. Kamal Kumar Brahma
2	Members	Faculties	Dr. Jotishmoy Bora
			Dr. Dewananda Das
			Mrs. Prova Baruah
			Mrs Moon Moon Roy
			Mrs. Dibyajyoti Saikia

e. College Development Committee			
1	Chairman	DC, Kokrajhar	As per record
2	Deputy Chairman	Principal	Dr. Kamal Kumar Brahma
3	Advisor	Faculty outside the college	Dr. Prolip Daimary
4	Members	Faculties	Mrs. Dibyajyoti Saikia
			Mr. Anjan Kumar Kakati
			Mr. Hemantajeet Medhi
			Dr. Dewananda Das
			Mr. Dambrudhar Basumatary

F. Training and Placement Cell Committee			
1	Chairman	Principal	Dr. Kamal Kumar Brahma
2	Deputy Chairman	TPO	Dr. Medalson Ronghang
3	Members	ATPO	Mantulal Basumatary
			Mukunda Madhab Gogoi
			Biswanath Hajoary
			Chintan Barman

g. Academic Calendar Committee			
1	Chairman	Principal	Dr. Kamal Kumar Brahma
2	Members	Faculties	Dr. Jotishmoy Bora
			Dr. Dewananda Das
			Mr. Anjan Kumar Kakati
			Mrs. Dhiru Barman
			Mr. Mantulal Basumatary
			Mr. Arindom Das

  
 Principal  
 Bineswar Brahma Engineering College  
 Kokrajhar  
 Bineswar Brahma Engineering College  
 Kokrajhar

h. Management Information System (MIS) Committee			
1	Chairman	Principal	Dr. Kamal Kumar Brahma
2	Assistant Chairman	Nodal Officer MIS	Dr. Dewananda Das
2	Members	Faculties	Mr. Birajit Basumatary
			Mr. Makunda Madhab Gogoi
			Mr. Arindam Das
			Mr. Mantulal Basumatary
			Mr. Dambrudhar Basumatary

i. Academic Discipline Committee			
1	Chairman	Principal	Dr. Kamal Kumar Brahma
2	Members	Faculties	Dr. Kamal jyoti Talukdar
			Dr. Medalsen Ronghang
			Mr. Amullya Nath
			Dr. Prova Boruah
			Mrs. Moon Moon Roy

j. Grievance and Redressal Cell			
1	Chairman	Principal	Dr. Kamal Kumar Brahma
2	Vice-Chairman	Faculties	Dr. Jotishmoy Bora
	ST-Members		Dr. Medalsen Ronghang
	Female Members		Mrs. Dibyajyoti Saikia
	Female Members		Mrs. Dhiru Barman
	Female Members		Mrs. Munmun Barman
	Members		Mr. Anjan Kumar Kakati
	Members		Mr. Hemantajeet Medhi

k. Purchase Committee			
1	Chairman	Principal	Dr. Kamal Kumar Brahma
2	Members	Faculties	Dr. Jotishmoy Bora
			Dr. Rupamjyoti Nath
			Mrs. Dibyajyoti Saikia
			Mr. Anjan Kumar Kakati
			Mr. Hemantajeet Medhi
			Dr. Dewananda Das
			Mr. Amullya Nath
			Mr. Dambrudhar Basumatary

  
 Principal  
 Bineswar Brahma Engineering College  
 Kokrajhar  
 Bineswar Brahma Engineering College  
 Kokrajhar

I. Transportation Committee			
1	Chairman	Principal	Dr. Kamal Kumar Brahma
2	Members	Faculties	Dr. Jotishmoy Bora
			Dr. Rupamjyoti Nath
			Mr. Anjan Kumar Kakati

This has been issued with the approval of the competent authority.



Principal  
Bineswar Brahma Engineering College

Kokrajhar

Bineswar Brahma Engineering College  
Kokrajhar

Copy to-

1. All HOD's, BBEC
2. The Concerned Persons
3. Office copy
4. College website for wide circulation



Principal  
Bineswar Brahma Engineering College

Kokrajhar

Bineswar Brahma Engineering College  
Kokrajhar



## **Message From Principal's Desk**



The Bineswar Brahma Engineering College (BBEC), Kokrajhar is the 3<sup>rd</sup> Engineering College of Govt. of Assam located in a beautiful place adjacent to Kokrajhar town.

Earlier the college started functioning from the academic session 2010-11 with 81 students at Bodoland University Campus, Debargaon (Kokrajhar) with Bachelor of Engineering Courses in two branches e.g., Chemical & Production Engineering and Electrical & Instrumentation Engineering, but the branches were converted as Chemical Engineering and Electrical Engineering later on. The institute started two new branches on 2018 respectively Mechanical Engineering and Civil Engineering after receiving the NOC from Govt. of Assam and Assam Science and Technology University, Assam. The approval of the new two branches also approved from AICTE. Now the college consists of four full-fledged branches with 60 intake capacity each.

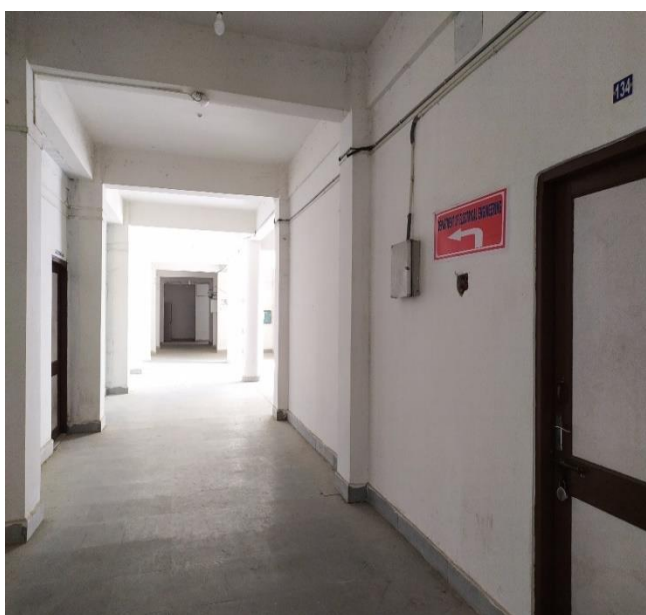
The College is very fortunate that the first batch students are pass out in the year 2014 and very glad to mention that; the 1<sup>st</sup> Class 1<sup>st</sup> secured from this college in Chemical Engineering from Guwahati University, Guwahati among other affiliated colleges. Presently 11<sup>th</sup> batches of students are undergoing Bachelor of Engineering Courses in four branches e.g., Chemical Engineering, Electrical Engineering, Mechanical Engineering and Civil Engineering at own campus.

In the changing contemporary context, BBEC needs a shared vision for creating ecological literate, professionally competent and socially responsible engineers. I welcome you to BBEC and hope BBEC will give the best.

## Programmes Offered by the Institute during the year include:

Bineswar Brahma Engineering College offered only B.Tech programme in four disciplines as

1. Chemical Engineering
2. Electrical Engineering
3. Civil Engineering
4. Mechanical Engineering



Name of branches with intake capacity

Year	Branch	Male	Female	Gen	OBC	SC	ST	Total
2017	Chemical	44	12	35	13	3	4	56
	Electrical	47	13	36	13		11	60
	Total	91	25	71	26	3	15	116
2018	Chemical	28	9	8	16		13	37
	Electrical	23	9	9	12	4	7	32
	Civil	39	13	34	5	7	6	52
	Mechanical	38	5	9	20	7	7	43
	Total	128	36	60	53	18	33	164
2019	Chemical	28	15	15	18	4	6	43
	Electrical	28	10	9	14	5	10	38
	Civil	43	19	33	15	2	12	62
	Mechanical	39	5	22	15	3	4	44
	Total	138	49	79	62	14	32	187
2020	Chemical	31	21	25	17	4	6	52
	Electrical	31	14	24	11	4	6	45
	Civil	36	25	34	16	3	8	61
	Mechanical	40	6	23	15	4	4	46
	Total	138	66	106	59	15	24	204

No of students Transited to 3<sup>rd</sup> semester clearing all papers of first year i.e. 1<sup>st</sup> and 2<sup>nd</sup> semester.

Category	Male	Female	Total	Male	Female	Total
SC	11	1	12	8	0	8
ST	15	16	31	1	3	4
OBC	44	11	55	10	5	15
General	55	13	68	22	13	35
	Total= 166			Total= 62		

\*\* Total students promoted to 3<sup>rd</sup> semester clearing all papers is 62 out of 166 students with 37.35 %.

### **Students Activity:**

The students, in addition to their academic, engaged themselves with various extracurricular activities such as sports and games, cultural activities, technical activities, NCC activities, etc. The students of the institute also participate in inter-institutional sports, cultural and technical events in different parts of the states and brought laurels to the institute.

### **Celebration of Foundation Day of BBEC on 16<sup>th</sup> August, 2019**



### **Celebration of “BoroThunliAfadniJwnwm San” on 16<sup>th</sup> Nov, 2019**



### **Celebration of 72<sup>nd</sup> Birth Anniversary of Late. Bineswar Brahma on 28<sup>th</sup> Feb, 2020**





### **Celebration of Woman's Day on 8<sup>th</sup> March 2020**



### **Observing World Environment Day on 5<sup>th</sup> June 2020**



### **Annual Technical Festival (Technisia)-2020**

#### **Cultural Rally**





### Dance Program



### Mealvnt food Carnival



### Mr/Mrs Charisma



### Singer DJ Band





**Fitness and Education Defence Technology for Girl student on 13<sup>th</sup> -15<sup>th</sup> March, 2020**



**Extra-Curricular Activities:**

**Participation by the student at AEC, Guwahati for Pyrokinesis**



**Participation by the student at ASTU Hackaton Event Guwahati on 6<sup>th</sup> -7<sup>th</sup> Sept, 2019**





**Participation by the student at Inter College Football Tournament AEC, Guwahati on 27<sup>th</sup> Sept. 2019**



**Participation by the student at Inter District Level Quiz competition 2019**



**Participation by the student at Dr BupenHazirikha Memorial Inter Institution Quiz & Debate Competition on 22<sup>nd</sup> Feb, 2020**





# **ACADEMIC DEPARTMENTS AND CENTRES**

## DEPARTMENT OF ELECTRICAL

1. **Brief Introduction to the Department:** The Electrical Engineering Department, formerly known as Electrical and Instrumentation Engineering Department started with an intake of 60 students in the year 2010. The department has a class of young and a dynamic faculty whose primary responsibilities includes not only imparting theoretical knowledge to the students but also helps them brushing up the doubts in every aspect so that the energetic population of the college does not lag behind any other engineers of the globe. The undergraduate course primarily provides all the facilities for producing energetic engineers with sound knowledge in all the subjects such as electrical machines, power systems, instrumentation etc. including the elective papers with a strong background of practical knowledge relevant to the theory papers. The curriculum of the department is mainly oriented to cater the needs of IT- Industry, Software Controlled Heavy and Light Electrical and Power Systems. The students are assigned with a major project during the end semesters where they carry out the developmental work under the guidance /supervision of the prominent faculties. The Department is also equipped with machines of advanced technology to give an overview of the practical scenario based on the thoretical knowledge gained as per the course curriculum
2. Programme Offered: Undergraduate Course B.Tech in Electrical
3. Faculty Profile:

Sl N o.	Name	Designation	Qualifica tion	Branch/ Specializati on	Date of joining	Status
1	Dambarudhar Basumatary	Assistant Professor	M.Tech	Microelectr onics	4 <sup>th</sup> August, 2015	Contra ctual
2	AnjanmaniBaro	Assistant Professor	M.E	Instrumentat ion & Control Engineering	4 <sup>th</sup> January 2017	Contra ctual
3	Lima Basumatary	Assistant Professor	M.Tech	Control and Instrumentat ion	28th August 2017	Contra ctual
4	RikhitSwargiary	Assistant Professor	M.Tech	Electrical Engineering	11th August 2017	Contra ctual
5	BiswanthHazoar y	Assistant Professor	M.Tech	Power And Energy Engineering	20th January 2020	Contra ctual
6	KumkumNarzary	Assistant	M.E	Instrumentat	25th	Contra

		Professor		ion and Control Engineering in EE Department	January 2020	ctual
7	Dr.RashmiRanjana Behera	Assistant Professor	Ph.d	Electrical Engineering	13th October 2018	TEQIP faculty
8	Rahul Kumar	Assistant Professor	M.Tech	Electrical Engineering	13th October 2018	TEQIP faculty
9	Monojit Seal	Assistant Professor	M.Tech	Electrical Engineering	13th October 2018	TEQIP faculty

#### **Laboratories setup:**

Sl. No	Laboratory	Major equipment and software	Location	Incharge
1	Basic Electrical Engineering	Basic Set Up with all Equipments Available	Block II	Dambarudhar Basumatary
2	Machine Lab	DC, AC machines and panels	Block II	Monojit Seal
3	ENAMI LAB	All Instruements	Block II	Anjanmani Baro
4	Control System Lab	Matlab Software	Block II	Rikhit Swargiary
5	Analog Electronics Lab	Trainer Kits	Block II	Lima Basumatary
6	Microprocessor Lab	Interfacing devices	Block II	Kumkum Narzary
7	Power Electronics	All Instruements	Block II	Dr.RashmiRanjan Behera

Department Picture:





# DEPARTMENT OF CHEMICAL

**Brief Introduction to the Department:** Department of Chemical Engineering at Bineswar Brahma Engineering College Kokrajhar, functioning since the academic session 2010-11 with annual intake capacity of 60 students, it is the only department in technical institutions of the state offering undergraduate courses in Chemical Engineering, besides IIT Guwahati and Assam Engineering College. With young, proactive, dynamic and vibrant faculty members this department aims to produce well-qualified competent Chemical Engineering graduates.

Programme Offered: Undergraduate Course B.Tech in Chemical

Faculty Profile:

Sl No.	Name	Designation	Qualification	Branch/Specialization	Date of joining	Status
1	Mr. Hemantajeet Medhi	Assistant Professor	M.Tech	Renewable Energy wastes Management	24 <sup>th</sup> Jan, 2014	Permanent
2	Mr. Mukunda Madhab Gogoi	Assistant Professor	M.Tech		2 <sup>nd</sup> Aug, 2017	Contractual
3	Mrs. Hitasmita	Assistant Professor	M.Tech	Membrane Separation	5 <sup>th</sup> Aug, 2019	Contractual
4	Mr. Rajani Kant Baro	Assistant Professor	M.Tech		4 <sup>th</sup> Jan, 2018	Contractual
5	Dr. Harsh Vardhan	Assistant Professor	Ph.D	Health Care	4 <sup>th</sup> Jan, 2018	Contractual
6	Dr. Vineeta Gautam	Assistant Professor	Ph.D	Advanced materials	5 <sup>th</sup> Jan, 2018	Contractual
7	Mr. Deepak Kumar	Assistant Professor	M.Tech		15 <sup>th</sup> Oct, 2018	Contractual
8	Mr. Subendhu Sarma	Assistant Professor	M.Tech	Wastes Water Treatment	15 <sup>th</sup> Oct, 2018	Contractual

### Laboratories setup:

Sl. No.	Laboratory	Major Equipment	Location	Incharge
1	Heat Transfer Operation Lab	Shell and tube Heat Exchanger, Boiling point Apparatus	Block-III Ground Floor	HitasmitaDeka,Raveena Borah, UbaidullahAkanda
2	Mass Transfer Operation Lab	Fractional Distillation unit, Batch Distillation Unit	Block-III Ground Floor	BhanupriyaBrahma,Mukunda Madhab Gogoi,UbaidullahAkanda
3	Chemical Reaction Engineering Lab	CSTR, PFR	Block-III Ground Floor	Aditya Sahu,UbaidullahAkanda
4	Process Control Lab	Two tank interacting System in Series	Block-III 1 <sup>st</sup> Floor	Mukunda Madhab Gogoi,UbaidullahAkanda
5	Petroleum & Renewable Energy Lab	UV Spectrophotometer, Abel Flash point apparatus	Block-III 1 <sup>st</sup> Floor	Mukunda Madhab Gogoi,UbaidullahAkanda
6	Mechanical Operation Lab	Ball Mill, Jaw Crusher	Block-III Ground Floor	BhanupriyaBrahma,UbaidullahAkanda
7	Fluid Flow Operation Lab	Venturytube, Orifice meter	Block-III Ground Floor	HitasmitaDeka,UbaidullahAkanda
8	Computer Lab	Strength-30	Block-III 1 <sup>st</sup> Floor	HemantjeetMedhi,UbaidullahAkanda
9	Sophisticated Instrument/ Research Lab	High Pressure Reactor, FTIR	Block-III	HemantajeetMedhi,UbaidullahAkanda

### Department Picture



# DEPARTMENT OF CIVIL

**Brief Introduction to the Department:** Civil Engineering in a broad sense deals with the engineering of planning, construction, and maintenance of the structures, or public works, as they are related to earth, water, or civilization and their processes. Most civil engineering today deals with power plants, bridges, roads, railways, structures, water supply, irrigation, the natural environment, sewer, flood control, transportation and traffic. In essence, civil engineering may be regarded as the profession that makes the world a more agreeable place in which to live. One of the primary engineering departments at Bineswar Brahma Engineering College, Kokrajhar is the Department of Civil Engineering. That offer Bachelor of Engineering (BE) degree under Gauhati University, Guwahati.

The Department also registers for Quality Improvement Programs (QIP) under Continuing Education Program (CEP) for Diploma Colleges of the region as social initiative. It also organizes special courses as well as short time refresher courses from time to time with participation both from academic and officers serving in State Government. The Department also actively promotes curriculum development activity by updating existing courses curriculum through undergraduate final year project, preparing resource material for teaching and promoting personality development programme. The department has participated in a number of ongoing research projects sponsored from public and private sector organizations. It also undertakes industrial consultancy works as a part of its interaction with industry and also organizes seminars/symposia for professional interaction. The department also contributes to the interdisciplinary academic and research activity of the college with the participation in final year project in the Department of Chemical Engineering.

**Programme Offered:** Undergraduate Course B.Tech in Civil

**Faculty Profile:**

Sl N o.	Name	Designation	Qualification	Branch/ Specialization	Date of joining	Status
1	Mrs. Dibyajyoti Saikia	Assistant Professor	M.Tech	Soil Mechanics & Foundation Engineering	5 <sup>th</sup> Feb, 2014	Permanent
2	Dr. Medalsonghang,	Assistant Professor	Ph. D.	Environmental Engg. & Management	7 <sup>th</sup> Feb, 2014	Permanent
3	Mr. Arindam Das	Assistant Professor	M.Tech	Environmental Engg.	17 <sup>th</sup> Aug, 2019	Contractual
4	Miss. Manisha Parajoli	Assistant Professor	M.Tech	Environmental Engg.	27 <sup>th</sup> Aug, 2019	Contractual

5	Mr. Dengkhw Brahma	Assistant Professor	M.Tech	Environmental Engg.	27 <sup>th</sup> Jan, 2020	Contractual
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#### Laboratories Setup:

Sl. No.	Laboratory	Major Equipment/ Software	Location	Incharge
1	Soil Mechanics Lab	IS Sieves, Casagrande Apparatus, Liquid Limit Apparatus, etc.	Block I	Mrs. Dibyajyoti Saikia
2	Surveying Lab	Total Station, Theodolite, GPS, Dumpy Level, etc.	Block II	Mrs. Dibyajyoti Saikia
3	Environmental Engg. Lab	Ion Chromatography, BOD Incubator, Shaker Incubator, Laminar Flow, etc.	Block II	Dr. Medalsonghang
4	Hydraulics Lab	Bernoulli's Apparatus, Orifice Meter, Pitot Tube, Venturimeter, etc.	Block I	Mr. Arindom Das
5	Computer Lab	Stadpro, AutoCAD etc.	Block II	Mr. Arindom Das
6	Geology Lab	Geological Maps	Block I	Mr. Dengkhw Brahma
7	Transportation Engg. Lab	Los Angeles Abrasion testing machine, Ductility Testing Apparatus, etc.	Block I	Dr. Debshree Swargiary
8	Concrete Lab	Slump test apparatus, Compaction testing Machine, etc.	Block I	Mr. Chintan Barman
9	Structural Engg. Lab	3 Hinge Arc Apparatus, 2 Hinge Arc Apparatus, etc.	Block II	Ms. Haina Brahma

#### Department Picture





# DEPARTMENT OF MECHANICAL

**Brief Introduction to the Department:** Department of Mechanical Engineering at Bineswar Brahma Engineering College Kokrajhar, functioning since the academic session 2019 with annual intake capacity of 60 students with young, proactive, dynamic and vibrant faculty members. This department aims to produce well-qualified competent Mechanical Engineering graduates.

Programme Offered: Undergraduate Course B.Tech in Mechanical

Faculty Profile:

Sl No.	Name	Designation	Qualification	Branch/ Specialization	Date of joining	Status
1	Mr. Anjan Kumar Kakati	Assistant Professor	M.Tech.	Manufacturing	27 <sup>th</sup> Jan 2014	Permanent
2	Dr. Kamal Jyoti Talukdar	Assistant Professor	Ph. D.	Co-Generation Renewable Energy	30 <sup>th</sup> Jan, 2014	Permanent
3	Ms. Jubina Sultana	Assistant Professor	M.Tech.	Manufacturing	5 <sup>th</sup> Aug, 2019	Contractual

Laboratories setup:

Sl. No	Laboratory	Major equipment and software	Location	Incharge
1	Fluid Mechanics	Venturimeter	Block-III	Ms. Pooja Dutta
2	Heat Transfer	Pin fin	Block-III	Dr. Mantulal Basumatary
3	Theory of Machines	Cam & Follower	Block-III	Mr. Anjan K. Kakati & Dr. Mantulal Basumatary
4	Welding	Gas Welding	Block-III	Ms. Jubina Sultana
5	Machining	Lathe & Milling machine	Block-III	Dr. Kamal Jyoti Talukdar

6	Applied Thermodynamics	IC Engine	Block-III	Ms. Pooja Dutta & Dr. Mantulal Basumatary
7	Strength of Materials	Universal Testing Machine	Block-III	Dr. Mithinga Basumatary

Department Picture



# DEPARTMENT OF PHYSICS

**Brief Introduction to the Department:** The Department of Physics established in the year 2010 was started in the temporary campus. In 2013, however, the department was shifted to the permanent campus of college. Since then, the mandate of the department is to conduct teaching courses for students of engineering disciplines. The faculty members are engaged in rendering the engineering undergraduates with the fundamental knowledge of physics and problem solving skills, requisite for a bright career, and striving tirelessly to improve the education further. Presently, the department provides theoretical and laboratory courses of engineering physics to 1st and 2nd semester undergraduates (B. Tech).

**Programme Offered:** The department provides theoretical and laboratory courses of engineering Physics to undergraduates (B. Tech).

## Faculty Profile:

Sl No	Name	Designation	Qualification	Branch/ Specialization	Date of joining	Status
1	Dr. Dewananda Das	Assistant Professor	Ph.D	Electronics, Nanoscience and Nanotechnology	26-02-2019	Permanent
2	Mr. Birajit Basumatary	Assistant Professor	M.Sc	Condensed Matter Physics	22-02-2019	Contractual

## Laboratories setup:

Sl. No	Laboratory	Major equipment and software	Location	Incharge
1	Engineering Physics Lab	Young's Modulus, P-N junc. Diode, Megnetometer, etc	Block-V	Mr. Birajit Basumatary/ Dr. Dewananda Das
2	Dark Room Lab	Newton's ring, Spectrophotometer, etc	Block-V	Dr. Dewananda Das

## Department Picture



# DEPARTMENT OF CHEMISTRY

**Brief Introduction to the Department:** The Department of Chemistry was among the first few departments of B.B. Engineering College which was started in the year 2010 in the temporary campus. In 2013, the department was shifted to permanent campus of the college. At present this Chemistry department has one well equipped laboratory with modern instruments. In 2014, the laboratory of the department has been recognized by Bodoland University for carrying out Ph.D. research.

**Programme Offered:** The department provides theoretical and laboratory courses of engineering Chemistry to undergraduates (B. Tech).

## Faculty Profile:

Sl No.	Name	Designation	Qualification	Branch/Specialization	Date of joining	Status
1	<b>Dr.Jyotishmoy Borah.</b>	Assistant Professor	Ph.D, Post. Doc.	Inorganic Chemistry, Polymer Science	10 <sup>th</sup> Aug, 2010	Permanent
2	Dr.Prova Boruah	Assistant Professor	Ph.D	Physical Chemistry	01-03-2019	Permanent
3	Dr. Tirtha Bhattacharyya	Assistant Professor	PhD	Synthesis of transition metal	4 <sup>th</sup> Jan, 2018	TEQIP Faculty

## Laboratories setup:

Sl. No	Laboratory	Major equipment	Location	Incharge
1	In-Organic Chemistry Lab	Burrett, pipett, volumetric flusk	Block-I	<b>Dr.Jyotishmoy Borah.</b>
2	Physical Chemistry Lab	Ostwald viscometer, Stalagmometer	Block-I	Dr.Prova Boruah



## Department Picture



## DEPARTMENT OF MATHEMATICS

- 1. Brief Introduction to the Department:** The Department of Mathematics was stated in the year 2010 in a temporary campus, with the objective of producing trained manpower in the field of applied sciences. In 2013, the Department was shifted to the permanent Campus of the college and has been conducting the teaching programme for the students of engineering courses.
- 2. Programme Offered:** The course of Mathematics for B. Tech students.
- 3. Faculty Profile:**

Sl No.	Name	Designation	Qualification	Specialization	Date of joining	Status
1	Amullya Nath	Assistant Professor	M. Sc. (GU), B.Ed. (GU) UGC-CSIR NET qualified	Pure Mathematics	05 <sup>th</sup> March, 2019	Permanent
2	Moon Moon Roy	Assistant Professor	M. Sc. (GU), M. Phil.(Delhi University), UGC-CSIR NET qualified	Pure Mathematics (Graph Theory)	12 <sup>th</sup> March, 2019	Permanent
3	Nijwm Wary	Assistant Professor	M. Sc. (Bodoland University)	Pure Mathematics	18 <sup>th</sup> Sept., 2018	Part-Time-Assistant Professor
4	Dr.Aridam Kundu	Assistant Professor	Ph.D	Nemerial Methods in Finance	4 <sup>th</sup> Jan,2018	Contractual

Department Picture



## DEPARTMENT OF HUMANITIES AND SOCIAL STUDIES (HSS)

4. **Brief Introduction to the Department:** The Department of HSS was stated in the year 2010 in a temporary campus. In 2013, the Department was shifted to the permanent Campus of the college and has been conducting the teaching programme for the students of engineering courses. The HSS department consist of four subject that is English, Economics, Sociology & Management and Commerce

5. **Programme Offered:**The course of HSS for B. Tech students.

6. **Faculty Profile:**

Sl No.	Name	Designation	Qualification	Specialization	Date of joining	Status
1	Dr.Rupam Nath	Assistant Professor	Ph.D	Economics	11 <sup>th</sup> Aug,2010	Permanent
2	Mrs. Rwisumwi Brahma	Assistant Professor	M.A	English	26 <sup>th</sup> Feb 2019	Permanent
3	Mr. Nareswar Ramchiary	Assistant Professor	M.A	Sociology	21 <sup>st</sup> Feb,2018	Contractual

Department Picture

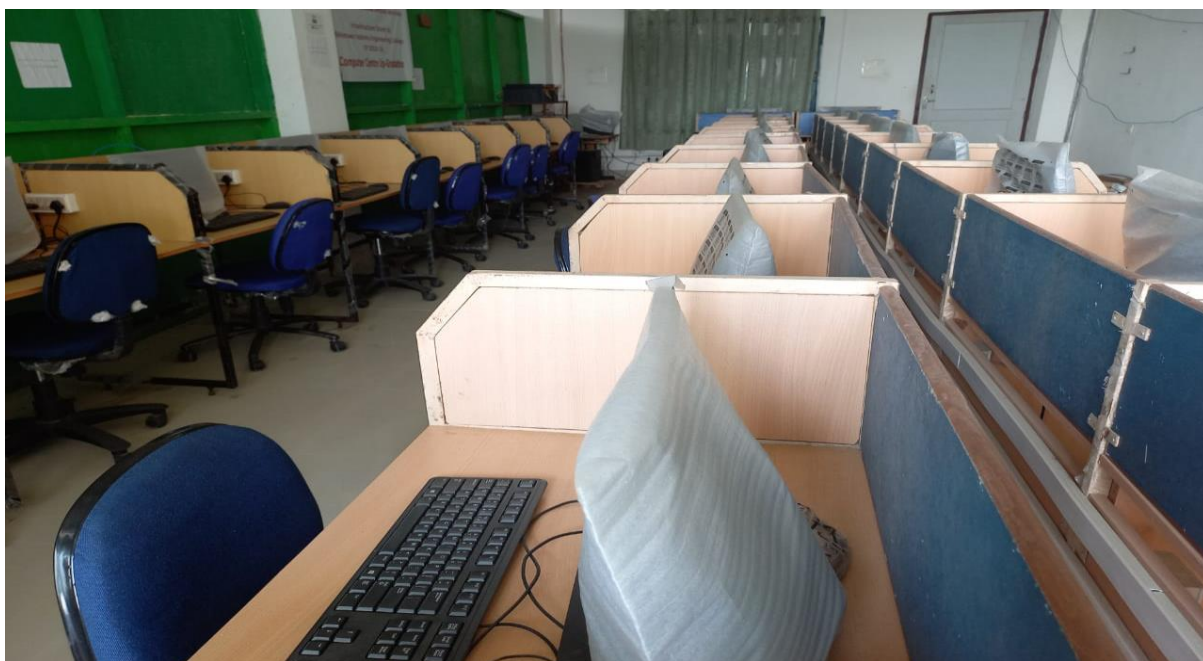




## COMPUTER CENTRE:

BBEC has a computer centre funded by RUSA in 2013. Which is a backbone of academic and research activities of the College. Computer Centre has 30 computers for students. Computer Centre is situated in Block I in BBEC academic building.

Sl No	Name	Designation
1	Dr. Dewananda Das	In-Charge
2	Mr. Birkhang Brahma	Operator



# COLLEGE LIBRARY:

The College has setup the Bineswar Brahma Engineering College (BBEC) Library in 2010 as a backbone of academic and research activities of the College. BBEC Library has been catering to the information needs of the faculty members, students and staff since its inception. Starting with two book shelves in 2010 with a collection of around 500 books, now BBEC Library holds around 21600 volumes of books including reference and text books which cover the disciplines of Computer Science, Information Technology, Biotechnology, Mathematics, Physics, Materials Science, Humanities, Management and other areas related to Engineering, Science and Technology. The BBEC Library has a reading room having 80 seating capacity.

## 1. Library Collection:

Category	Collection
Books	21690
Magazines	8
Newspaper	4
Reports	12
CD-ROMs	840
Old Question papers	All question papers of Gauhati University and Assam Science and Technology University of Electrical Engineering, Chemical Engineering, Civil Engineering and Mechanical Engineering.

## Library Services:

- Circulation Service
- Reference Service
- Reprography Service
- Current Awareness Service
- Internet Service
- User Orientation

## Library Automation:

- Computerisation:
- Institutional Repository
- BBEC Library Blog:
- Implementation of RFID Technology:



**Library Staff:**

SI No	Name	Designation	Qualification
1	Dhiru Barman	Librarian	MLISc, MBA, PGDCA, (Qualified UGC-NET, UGC-JRF)
2	Babli Brahma	Asstt. Librarian	MLISc (Qualified UGC- NET)
3	Sansuli Basumatary	Bearer	HSLC
4	Beauty Basumatary	Bearer	HSLC
5	Bisti Bala Muchahary	Bearer	HSLC

**Library Picture:**