

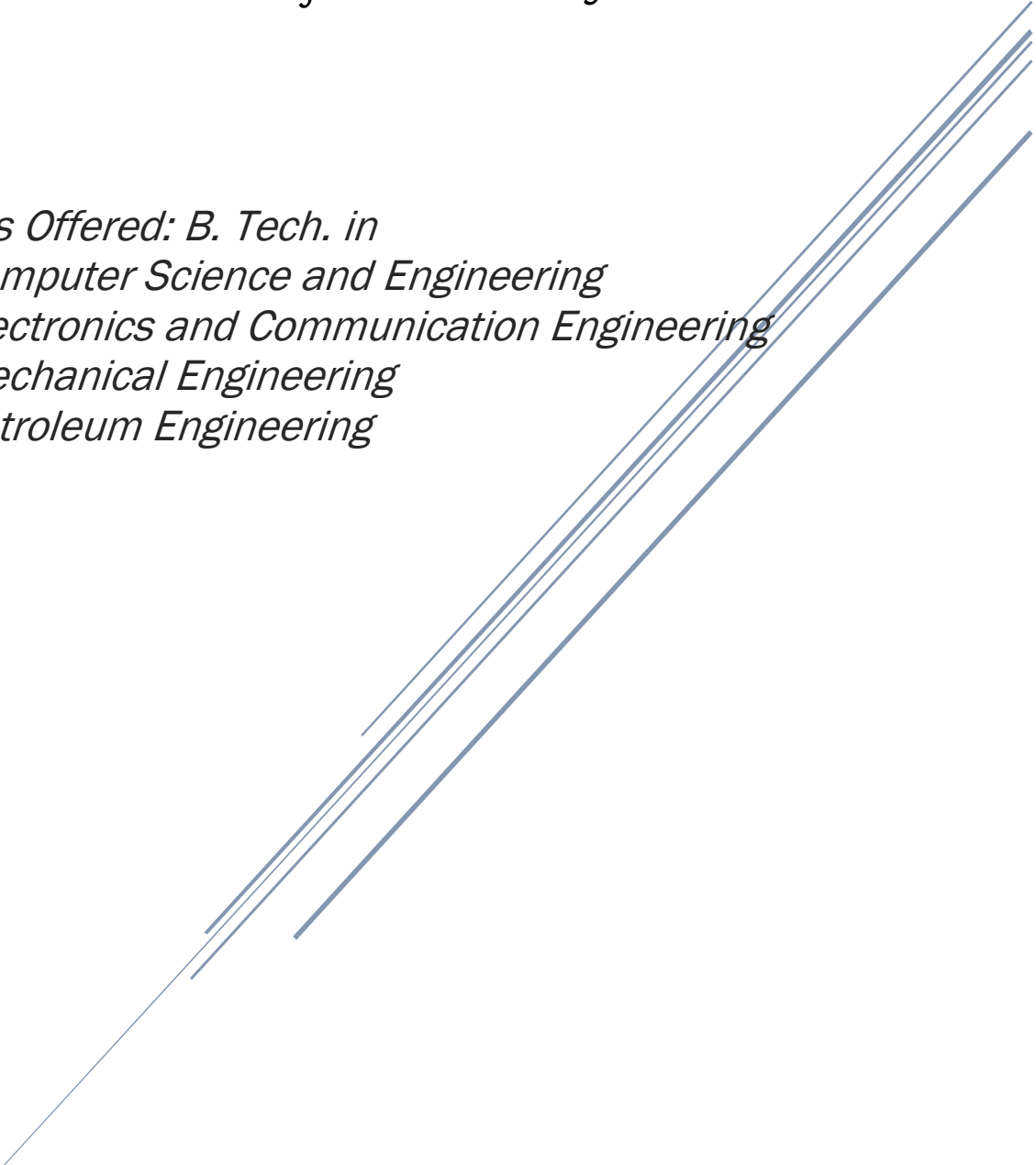
ANNUAL REPORT-2019

1st January 2019-31st December 2019

**Dibrugarh University Institute of Engineering and
Technology (DUIET)**

Year of Establishment: 2009

Courses Offered: B. Tech. in

- *Computer Science and Engineering*
 - *Electronics and Communication Engineering*
 - *Mechanical Engineering*
 - *Petroleum Engineering*
- 

Annual Report
Dibrugarh University
 1st January 2019 - 31st December 2019

Department of Computer Science & Engineering (DUIET)

Year of Establishment : 2009

Phone No :

1. Course(s)/Programme(s) offered :	
1. B. Tech in Computer Science & Engineering	
2. Special Branches offered :	
Programme	Special Branch
3. New Academic Programme initiated at Under Graduate and Post Graduate Level :	
Level	New Academic Programme
Under Graduate	B.Tech in Electronics and Communication Engineering
Post Graduate	Not Applicable
4. Increase in the infrastructural facilities :	
1. Modernization of Robotics and AI Lab 2. Proposed for 01 Image Processing Lab	
5. Technology Upgradation :	
1. 02 Smart Classrooms under TEQIP-III 2. Enrolled for Swayam Courses. 3. New Equipment(s) procured through TEQIP-III for Robotics and AI Lab.	
6. Healthy Practices :	
1. Online Student Monitoring through google classroom. 2. Feedback Analysis 3. Remedial Classes 4. Teaching with the help of digital tools so that it led to active learning for students.	
7. Linkages developed with National/International/ Academic/Research Bodies :	
Name of the Body	Details of Linkages Developed
Assam University, Silchar	The Centre has established linkage with the Assam University, Silchar. The teachers of the Centre are in constant touch with the faculties of the Department of Social Work, Assam University, Silchar. Prof. Gopalji Mishra of Department of Social Work, Assam University is appointed as a member of the Board of Studies for Social Work.
8. Innovation in Curricular Design :	
9. Inter-Disciplinary Programme started :	

1. Inter-disciplinary Ph.D. programme is open through DURAT

10. Faculty Details :

Designation	SC		ST		OBC		Differentlyabled		From Other State	
	M	F	M	F	M	F	M	F	M	F
Assistant Professor	1	0	0	0	0	0	0	0	2	1
Assistant Professor	0	0	1	0	0	1	0	0	0	0
Assistant Professor	0	0	1	0	0	1	0	0	0	0
Assistant Professor	0	0	1	0	0	1	0	0	0	0
Assistant Professor	0	0	1	0	0	1	0	0	0	0

11. No of Faculties with Ph.D. and M.Phil. :

Ph.D				M.Phil			
M		F		M		F	
1		0		0		0	

12. Awards/Honours to the Faculty :

Faculty Name	Details
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13. Seminar/Workshop attended / presented paper by faculty :

Faculty Name	Type	Details
Mr. Moirangthem Tiken Singh	Workshop	Big data, cloud computing, and hands-on python from 25.03.2019 to 29.03.2019.
Dr. Sudipta Majumder	Workshop	Big data, cloud computing, and hands-on python from 25.03.2019 to 29.03.2019.
Dr. Sudipta Majumder	Workshop	One week workshop on "NBA Accreditation and NBA SAR filling and Research Methodology" w.e.f 03rd-June to 7th-June-2019.
Mr. Kaushik Das	Workshop	Big data, cloud computing, and hands-on python from 25.03.2019 to 29.03.2019.
Mr. Kaushik Das	Workshop	TEQIP-III Review meeting by SPIU-Bangalore w.e.f 14th-May-2019 to 15th-May-2019.
Mr. Kaushik Das	Workshop	Workshop on NPIU ELP by SPIU at Art of Living w.e.f 18th-July-2019 to 22nd-July-2019.
Mr. Kaushik Das	Workshop	Workshop on AI and ML organized by Gauhati University and ASTU w.e.f 27th-Sep-2019 to 28th-Sep-2019.
Mr. Rabinder Kr. Prasad	Workshop	Big data, cloud computing, and hands-on python from 25.03.2019 to 29.03.2019.
Mr. Rabinder Kr. Prasad	Workshop	One week workshop on "NBA Accreditation and NBA SAR filling and Research Methodology" w.e.f 03rd-June to 7th-June-2019.
Mrs. Nomi Baruah	Workshop	Linear Algebra and its Applications in Engineering Sciences (LAAES-2019) w.e.f 12th-Aug to 16th-Aug, 2019.
Mrs. Nomi Baruah	Workshop	Workshop on AI and ML organized by Gauhati University and ASTU w.e.f 27th-Sep-2019 to 28th-Sep-2019.

Mrs. Nomi Baruah	Workshop	Big data, cloud computing, and hands-on python from 25.03.2019 to 29.03.2019.
Mrs. Nomi Baruah	Workshop	One week workshop on "NBA Accreditation and NBA SAR filling and Research Methodology" w.e.f 03rd-June to 7th-June-2019.
Mr. Abhijit Boruah	Workshop	Big data, cloud computing, and hands-on python from 25.03.2019 to 29.03.2019.
Mr. Abhijit Boruah	Workshop	STP on Machine Learning for Engineering Applications. Organized by IIT Delhi from 9th to 13th December 2019.
Mr. Abhijit Boruah	Workshop	One week workshop on "NBA Accreditation and NBA SAR filling and Research Methodology" w.e.f 03rd-June to 7th-June-2019.
Ms. Charu Guleria	Workshop	Big data, cloud computing, and hands-on python from 25.03.2019 to 29.03.2019.

14. Faculty acted as Resource Person :

15. Refresher and Orientation Courses attended by the Faculty :

Faculty Name	Type	Details
Ms. Charu Guleria	Orientation	Advanced Pedagogies: Active Learning and Digital Tools, IIT Guwahati 1st July,2019- 5th July, 2019
Ms. Charu Guleria	Refresher	Executive Leadership Program on Stress Management (Art of Living) 19th July,2019-21st July,2019
Ms. Charu Guleria	Orientation	Machine Learning and Its Applications. 9th December, 2019- 13th December, 2019.

16. Paper Published in the Referred Journal by the Faculty :

Faculty Name	Title of Paper	Name of the Journal and ISSN No
Mr. Moirangthem Tiken Singh	An Algorithm for Iterated Game to Handle Self-Obsessed Behavior in a Noisy Social Communication Network	IJERT ISSN - 09743154
Volume No and Date	Citation Index	Impact Factor
12, December 2019	0	0.0
Faculty Name	Title of Paper	Name of the Journal and ISSN No
Mr. Moirangthem Tiken Singh	Automated detection of diabetic retinopathy	IEEE Explore ISSN -
Volume No and Date	Citation Index	Impact Factor
, 28 October 2019	0	0.0
Faculty Name	Title of Paper	Name of the Journal and ISSN No
Mr. Kaushik Das	Evaluation of Content Compaction in Assamese Language	Third International Conference on Computing and Network Communications (COCO Net19) ISSN - 1877-0509
Volume No and Date	Citation Index	Impact Factor
,	0	0.0
Faculty Name	Title of Paper	Name of the Journal and ISSN No
Mr. Rabinder Kr. Prasad	Enhanced Partition-Based Method Using Correlation Coefficient	IEEE Conference ISSN -
Volume No and Date	Citation Index	Impact Factor
,	0	0.0
Faculty Name	Title of Paper	Name of the Journal and ISSN No
Mrs. Nomi Baruah	A Single Document Assamese Text Summarization Using a Combination of Statistical Features and Assamese WordNet	4th International Conference on Advanced Computing and Intelligent Engineering, 2019. (ICACIE,2019) ISSN - 2194-5357
Volume No and Date	Citation Index	Impact Factor
,	0	0.0
Faculty Name	Title of Paper	Name of the Journal and ISSN No

Mrs. Nomi Baruah	Text Summarization in Indian Languages: A Critical Review	Second International Conference on Advanced Computational and Communication Paradigms (ICACCP), 2019. ISSN - 978-1-5386-7989-0
Volume No and Date	Citation Index	Impact Factor
,	0	0.0
Faculty Name	Title of Paper	Name of the Journal and ISSN No
Mrs. Nomi Baruah	A Novel Approach of Text Summarization using Assamese WordNet	4th IEEE International Conference on Information Systems and Computer Networks (ISCON), 2019. ISSN - 978-1-7281-3648-6
Volume No and Date	Citation Index	Impact Factor
,	0	0.0
Faculty Name	Title of Paper	Name of the Journal and ISSN No
Mrs. Nomi Baruah	Evaluation of Content Compaction in Assamese Language	Third International Conference on Computing and Network Communications (COCONet19) ISSN - 1877-0509
Volume No and Date	Citation Index	Impact Factor
,	0	0.0
Faculty Name	Title of Paper	Name of the Journal and ISSN No
Mrs. Nomi Baruah	A Study of Different Text Summarization Techniques Based on Input	IOSR Journal of Computer Engineering(IOSR-JCE) ISSN - 2278-8727
Volume No and Date	Citation Index	Impact Factor
21, 11-18-2019	0	0.0
Faculty Name	Title of Paper	Name of the Journal and ISSN No
Mr. Abhijit Boruah	Reasoning on Objects' Geometric Shapes for Prosthetic Hand Grasping	AIR 2019: Proceedings of the Advances in Robotics 2019 Publisher: ACM Digital Library https://doi.org/10.1145/3352593.3352604 ISSN - 978-1-4503-6650-2
Volume No and Date	Citation Index	Impact Factor
,	0	0.0
Faculty Name	Title of Paper	Name of the Journal and ISSN No

Mr. Abhijit Boruah	Plant Disease Detection by Leaf Image Classification Using Convolutional Neural Network	Communications in Computer and Information Science https://doi.org/10.1007/978-981-15-1384-8_16 ISSN - 978-981-15-1384-8
Volume No and Date	Citation Index	Impact Factor
,	0	0.0

17. Paper Published in other Journal by the Faculty (only those considered for API score) :

18. Books Published by the Faculty :

19. Research Projects Sanctioned :

Title of the Project	Efficient Execution of User Applications in Mobile Ad hoc Networks.		
Name of Principal Investigator	Ms. Charu Guleria		
Total Grant Sanctioned (Rs.)	520000.00		
Date of Sanction	18-06-2019	Funding Agency	TEQIP-III, NPIU
Tenure of the Project (in months)	12	Project Status	Continuing

20. New collaborative research project initiated :

1. Mr. Moirangthem Tiken Singh did a One Collaborative work title ``A Generic Scheme for Cyber Security in Resource Constraint Network Using Incomplete Information Game with University of Central Florida (UCF), Orlando, FL 32816 U.S.A is submitted for publication at Cybernetics and Systems

21. Initiative towards Faculty Development Programme :

22. Departmental Library :

No of Books	No of Books procured during the period	No of Journals	No of Journals procured during the period	No of Users

23. Departmental Publications :

1. Orihona V 1.0

24. Academic Visit by the Teachers :

25. Patent Generated :

26. Seminar and Workshops Conducted :

Name of Seminar/Workshop	Funding Source(s)
Workshop in Moodle	MHRD, TEQIP-III
SELP Workshop conducted in collaboration with Art of Living	TEQIP-III

27. Student Enrollment :																
Course	GEN		SC		ST		OBC		Minority		Tea Tribes		Phy. Hand		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
B. Tech in Computer Science & Engineering	16	2	3	1	4	2	9	4	null	null	null	null	null	null	32	9
28. No of Students Qualified Competitive Examinations :																
NET(JRF)			NET			SET			GATE			Any Other				
29. Research Scholars :																
Name of Research Scholar				Name of Supervisor				Date of Registration				Type				
30. Student Activities :																
31. Student Placement :																
1. 04 nos. of student got placement from 2016 batch.																
32. Student Placement Provided by Department :																
1. 01 in BCPL, 03 in INFOSYS, 02 in SUBEX and 02 in Cognizant																
33. Student Counseling :																
1. 100% in softskill training and GATE coaching.																
34. Financial Aid to Students :																
1. From TEQIP-III																

Annual Report
Dibrugarh University
 1st January 2019 - 31st December 2019

Department of Electronics & Communication Engineering (DUIET)

Year of Establishment : 2009

Phone No :

1. Course(s)/Programme(s) offered :										
1. B.Tech in ECE										
2. Special Branches offered :										
Programme					Special Branch					
B.Tech in ECE					Electronics and Communication Engineering					
3. New Academic Programme initiated at Under Graduate and Post Graduate Level :										
Level					New Academic Programme					
Under Graduate					B.Tech in Electronics and Communication Engineering					
4. Increase in the infrastructural facilities :										
1. UPS backup facility (80 KVA)										
5. Technology Upgradation :										
1. Installation of CCTV cameras in ECE Dept										
2.										
6. Healthy Practices :										
1. 2 days Workshop on Moodle Learning Management System										
2. 1 day Webinar VLSI System Design										
3. 1 week STTP on 'Emerging trends of Electronics in Industry'										
7. Linkages developed with National/International/ Academic/Research Bodies :										
Name of the Body					Details of Linkages Developed					
Jorhat Engineering College										
Punjab University										
8. Innovation in Curricular Design :										
9. Inter-Disciplinary Programme started :										
10. Faculty Details :										
Designation	SC		ST		OBC		Differentlyabled		From Other State	
	M	F	M	F	M	F	M	F	M	F
Assistant Professor	1	0	1	0	2	1	0	0	6	0
11. No of Faculties with Ph.D. and M.Phil. :										

Ph.D		M.Phil	
M	F	M	F
12. Awards/Honours to the Faculty :			
Faculty Name		Details	
13. Seminar/Workshop attended / presented paper by faculty :			

Faculty Name	Type	Details
N. Hemarjit Singh	Seminar	4th Interactional Conference on Inventive Compilation Technologies (ICICT-2019) August 29-30, 2019 at Coimbatore, India
N. Hemarjit Singh	Workshop	2 days workshop on 'Implementation of Moodle System', 2019 at Dibrugarh University
N. Hemarjit Singh	Workshop	1 week STP on 'Emerging trends of Electronics in Industry' 2019 at Dibrugarh University
Haraprasad Mondal	Workshop	Participated in 5-day STTP on Emerging Trends of Electronics in Industry at DUIET (November 11-15, 2019)
Bhargab Jyoti Saikia	Workshop	Workshop on "Drug Demance Reduction" Dibrugarh University, 2019 (2 days)
Bhargab Jyoti Saikia	Workshop	Workshop on "NBA accreditation NBA SAR filling and Research Methodology" DUIET, Jun 2019 (1 week)
N K Kaphungkui	Workshop	Participated in 5-day STTP on Emerging Trends of Electronics in Industry at DUIET (November 11-15, 2019)
G R Michael	Workshop	Participated in 5-day STTP on Emerging Trends of Electronics in Industry at DUIET (November 11-15, 2019)
Parismita Gogoi	Workshop	Participated in 5-day STTP on Emerging Trends of Electronics in Industry at DUIET (November 11-15, 2019)
Ashim Kumar [under TEQIP- III]	Workshop	Participated in 5-day STTP on Emerging Trends of Electronics in Industry at DUIET (November 11-15, 2019)
Ashim Kumar [under TEQIP- III]	Workshop	Attended two-day workshop on Implementation of Moodle System at DUIET (November 21-22, 2019)

Nidhish Antony [under TEQIP- III]	Workshop	Participated in 5-day STTP on Emerging Trends of Electronics in Industry at DUIET (November 11-15, 2019)
Nidhish Antony [under TEQIP- III]	Workshop	National workshop on Advanced Pedagogies, IIT Guwahati (1-5 July 2019)
Nidhish Antony [under TEQIP- III]	Workshop	Workshop on NBA Accreditation, SAR & Research Methodology, DUIET (3-7 June 2019)
Jagannath Patra [under TEQIP- III]	Workshop	Participated in 5-day STTP on Emerging Trends of Electronics in Industry at DUIET (November 11-15, 2019)

14. Faculty acted as Resource Person :

15. Refresher and Orientation Courses attended by the Faculty :

Faculty Name	Type	Details
Bhargab Jyoti Saikia	Refresher	Linear Algebra and its application (STTP), Aug 2019, DUIET, (1 week)
Ashim Kumar [under TEQIP- III]	Refresher	Attended FDP at IITG (July 1-5, 2019)
Nidhish Antony [under TEQIP- III]	Refresher	Short Term Course on C- Based VLSI Design, IIT Guwahati (1-5 April 2019)
Nidhish Antony [under TEQIP- III]	Refresher	Short Term Training Programme on Advanced Experimental Techniques. DUIET (28 May -1 June 2019)

16. Paper Published in the Referred Journal by the Faculty :

Faculty Name	Title of Paper	Name of the Journal and ISSN No
N. Hemarjit Singh	A systematic approach on design of Automation system for tea farming based on Embedded Wireless Sensor Network	Lecture Notes in Networks and System, Springer, 98, , 2367-3370 ISSN -
Volume No and Date	Citation Index	Impact Factor
,	0	1.5
Faculty Name	Title of Paper	Name of the Journal and ISSN No
N. Hemarjit Singh	Effective Sprinkler Irrigation System for tea cultivation: WSN based design	IJRTE (International journal of recent technology and engineering, Vol 8 Issue No. 2 P-4622-4628, July 2019, 2277-3878, ISSN -
Volume No and Date	Citation Index	Impact Factor
,	0	1.5
Faculty Name	Title of Paper	Name of the Journal and ISSN No
N. Hemarjit Singh	Effective Sprinkler Irrigation System for tea cultivation: WSN based design	IJRTE (International journal of recent technology and engineering, Vol 8 Issue No. 2 P-4622-4628, July 2019, 2277-3878, ISSN -
Volume No and Date	Citation Index	Impact Factor
,	0	1.6
Faculty Name	Title of Paper	Name of the Journal and ISSN No
Haraprasad Mondal	Design and analysis of all-optical 1-to-2 line decoder based on linear photonic crystal	IET Optoelectronics, vol. 13, issue 4, August 2019, 1751-8768 ISSN -
Volume No and Date	Citation Index	Impact Factor
,	0	1.667
Faculty Name	Title of Paper	Name of the Journal and ISSN No
Haraprasad Mondal	A Review on All-optical Logic Adder: Heading Towards Next-generation Processor	Optics Communications (Elsevier), (SCI-IF-1.961, SCOPUS indexed), (Under Review) ISSN -
Volume No and Date	Citation Index	Impact Factor
,	0	2.284
Faculty Name	Title of Paper	Name of the Journal and ISSN No

Haraprasad Mondal	Design and analysis of a 0.9Tb/s 6-channel WDM filter based on photonic crystal waveguides	Journal of the Optical Society of America B, vol. 36, no. 11, September 2019, 0740-3224, ISSN -
Volume No and Date	Citation Index	Impact Factor
,	0	1.961
Faculty Name	Title of Paper	Name of the Journal and ISSN No
Haraprasad Mondal	Design and analysis of a 0.9Tb/s 6-channel WDM filter based on photonic crystal waveguides	Journal of the Optical Society of America B, vol. 36, no. 11, September 2019, 0740-3224, ISSN -
Volume No and Date	Citation Index	Impact Factor
,	0	1.961
Faculty Name	Title of Paper	Name of the Journal and ISSN No
Bhargab Jyoti Saikia	Adaptive M-MRC Schemes with Estimation Error over TWDP fading	International Journal of Autonomous and Adaptive Communication System, Vol.12 No.1, pp.75-89, 2019, 1754-8632, ISSN - 1754-8632
Volume No and Date	Citation Index	Impact Factor
Vol.12 ,	0	1.506
Faculty Name	Title of Paper	Name of the Journal and ISSN No
Bhargab Jyoti Saikia	Effect of Estimation Error on Dual MRC Receiver over Hoyt Fading Channels	International Journal of Autonomous and Adaptive Communication System ISSN - 1754-8632
Volume No and Date	Citation Index	Impact Factor
,	0	1.2

17. Paper Published in other Journal by the Faculty (only those considered for API score) :

18. Books Published by the Faculty :

19. Research Projects Sanctioned :

20. New collaborative research project initiated :

21. Initiative towards Faculty Development Programme :

1. Organized one week STTP Emerging Trends of Electronics in Industry during 10-14 November 2019.

22. Departmental Library :

No of Books	No of Books procured during the period	No of Journals	No of Journals procured during the period	No of Users												
23. Departmental Publications :																
24. Academic Visit by the Teachers :																
25. Patent Generated :																
1. Nil																
26. Seminar and Workshops Conducted :																
Name of Seminar/Workshop		Funding Source(s)														
Organized a 5-day STTP on Emerging Trends of Electronics in Industry at DUIET (11-15 November 2019)		TEQIP-III														
One webinar (VLSI Design using Verilog HDL) conducted on 24 October 2019																
27. Student Enrollment :																
Course	GEN		SC		ST		OBC		Minority		Tea Tribes		Phy. Hand		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
B.Tech in EC E	7	7	3	0	2	2	4	2	null	null	null	null	null	null	16	11
28. No of Students Qualified Competitive Examinations :																
NET(JRF)		NET		SET		GATE		Any Other								
29. Research Scholars :																
Name of Research Scholar		Name of Supervisor		Date of Registration		Type										
30. Student Activities :																
31. Student Placement :																
32. Student Placement Provided by Department :																
1. 14 Placements for 2019 Batch (3 in CTS and 11 in Go Speedy Go)																
33. Student Counseling :																
34. Financial Aid to Students :																
1. Industrial visits/internship fees for 50 students from TEQIP-III																

Annual Report
Dibrugarh University
 1st January 2019 - 31st December 2019

Department of Mechanical Engineering (DUIET)

Year of Establishment : 2009

Phone No :

1. Course(s)/Programme(s) offered :	
1. B.Tech, (Mechanical Engineering)	
2. Special Branches offered :	
Programme	Special Branch
B.Tech, (Mechanical Engineering)	
3. New Academic Programme initiated at Under Graduate and Post Graduate Level :	
Level	New Academic Programme
Under Graduate	
4. Increase in the infrastructural facilities :	
1. COMSOL Multiphysics 2. ANSYS Software	
5. Technology Upgradation :	
6. Healthy Practices :	
1. A mobile application (MECHDUIET) developed for submitting assignments etc. 2. ICT tools used for conducting classes 3. Students Counselling 4. Implementation of NBA Practices for outcome based learning	
7. Linkages developed with National/International/ Academic/Research Bodies :	
Name of the Body	Details of Linkages Developed
8. Innovation in Curricular Design :	
1. UG curriculum implemented as per model AICTE curriculum	
9. Inter-Disciplinary Programme started :	
1. Non-Conventional Energy (ME-OE-301) 5th sem. 2. Automobile Engineering (ME-OE-401) 7th sem. 3. Advanced Energy Management (ME-OE-402) 8th sem	
10. Faculty Details :	

Designation	SC		ST		OBC		Differentlyabled		From Other State	
	M	F	M	F	M	F	M	F	M	F
Assistant Professor	0	0	2	0	3	1	0	0	2	1

11. No of Faculties with Ph.D. and M.Phil. :

Ph.D				M.Phil			
M		F		M		F	
1		1		0		0	

12. Awards/Honours to the Faculty :

Faculty Name	Details

13. Faculty acted as Resource Person :

14. Refresher and Orientation Courses attended by the Faculty :

Faculty Name	Type	Details

15. Paper Published in the Referred Journal by the Faculty :

Faculty Name	Title of Paper	Name of the Journal and ISSN No
Dr.Pranjal Sarmah	Evaluation of Erosive Wear Rate of Al ₂ O ₃ .Cu composite, Evaluation of Erosive Wear Rate of Al ₂ O ₃ .Cu composite	Materials Science and Engineering (IOP conference series) https://iopscience.iop.org/article/10.1088/1757899X/577/1/012018/meta ISSN - 17578981
Volume No and Date	Citation Index	Impact Factor
577, 2019	0	0.0
Faculty Name	Title of Paper	Name of the Journal and ISSN No
Dr.Pranjal Sarmah	Optimization of powder metallurgy processing parameters of Al ₂ O ₃ /Cu composite through Taguchi method with Gray ration analysis	Journal of King Saud University Engineering Sciences(Elsevier) https://www.sciencedirect.com/science/article/pii/S1018363918301648 ISSN - 10183639
Volume No and Date	Citation Index	Impact Factor
In press, 2019	4	2.835
Faculty Name	Title of Paper	Name of the Journal and ISSN No
Mr. Madhrujya Saikia	Effect of TBHQ on the Combustion Characteristics of Pomelo oil Biodiesel in a Compression Ignition Engine	Journal of Scientific and Industrial Research http://nopr.niscair.res.in/handle/123456789/46 ISSN - 0975-1084
Volume No and Date	Citation Index	Impact Factor
79, 2019	0	0.735

16. Paper Published in other Journal by the Faculty (only those considered for API score) :

17. Books Published by the Faculty :

Faculty Name	Title of Book	
Mr. Madhrujya Saikia	Production and characterization of biodiesel from citrus maxima & thevetia peruviana seed oil, STMH2019	
Name of Publisher	ISBN	Year of Publication
Krishi Sanskriti	9789385822926	2019

18. Research Projects Sanctioned :

19. New collaborative research project initiated :

20. Initiative towards Faculty Development Programme :

21. Departmental Library :

No of Books	No of Books procured during the period	No of Journals	No of Journals procured during the period	No of Users

22. Departmental Publications :

23. Academic Visit by the Teachers :

24. Patent Generated :

25. Seminar and Workshops Conducted :

Name of Seminar/Workshop	Funding Source(s)

26. Student Enrollment :

Course	GEN		SC		ST		OBC		Minority		Tea Tribes		Phy. Hand		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
B.Tech (Mechanical Engineering)	12	2	5	1	4	3	15	3	0	0	0	0	0	0	36	9

27. No of Students Qualified Competitive Examinations :

NET(JRF)	NET	SET	GATE	Any Other

28. Research Scholars :

Name of Research Scholar	Name of Supervisor	Date of Registration	Type

29. Student Activities :

1. Industry visit to " Lakuwa Thermal Power Plant"

30. Student Placement :

31. Student Placement Provided by Department :

1. Oil India limited-2

32. Student Counseling :

1. The Department of Mechanical Engineering provides student counselling through mentor ship programs. The 2nd,3rd and 4th year students are divided into groups and faculty members of the department are assigned to these groups. The faculty members provide assistance, in regards of academic or any other personal issues of the students. Counselling report of each student is maintained by the department and readily available for higher authority at any time.

33. Financial Aid to Students :

1. TEQIP-III

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Dibrugarh University
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Department of Petroleum Engineering (DUIET)

Year of Establishment : 2009

Phone No :

1. Course(s)/Programme(s) offered :											
1. B.Tech. in Petroleum Engineering											
2. Special Branches offered :											
Programme					Special Branch						
3. New Academic Programme initiated at Under Graduate and Post Graduate Level :											
Level					New Academic Programme						
Under Graduate					B. Tech. in Petroleum Engineering						
4. Increase in the infrastructural facilities :											
1. Class room with audio-visual aids.											
5. Technology Upgradation :											
6. Healthy Practices :											
7. Linkages developed with National/International/ Academic/Research Bodies :											
Name of the Body					Details of Linkages Developed						
8. Innovation in Curricular Design :											
9. Inter-Disciplinary Programme started :											
10. Faculty Details :											
Designation	SC		ST		OBC		Differentlyabled		From Other State		
	M	F	M	F	M	F	M	F	M	F	
Assistant Professor	0	1	0	0	2	0	0	0	2	0	
11. No of Faculties with Ph.D. and M.Phil. :											
Ph.D					M.Phil						
M			F			M			F		
3			0			0			0		
12. Awards/Honours to the Faculty :											

Faculty Name	Details
DR. PRASENJIT TALUKDAR	<p>1. Well testing: design & interpretation; 01st-05th April, 2019 (One Week) DUIET, Dibrugarh (STTP).</p> <p>2. Advanced experimental techniques; 29th May-01st Jun, 2019 (One Week) DUIET, Dibrugarh (STTP).</p> <p>3. Advanced experimental techniques; 29th May-01st Jun, 2019 (One Week); DUIET, Dibrugarh (STTP).</p> <p>4. NBA accreditation, NBA SAR filing and research methodology ; 03rd-07th Jun, 2019 (One Week) DUIET, Dibrugarh and Dr. SSBUCET, Chandigarh (STTP).</p> <p>5. Technology, Innovation and Entrepreneurship; 01st-05th July, 2019 (One Week) DUIET, Dibrugarh (STTP).</p> <p>6. Implementation of MOODLE system; 01st-05th July, 2019 (Two Day) DUIET, Dibrugarh- (Workshop).</p>

DR. NAYAN MEDHI

1. Paper Entitled Low Salinity Waterflooding in Tertiary Recovery Mode in a part of Geleki Oil Field of Upper Assam Basin, India was presented in the 4th International Conference on Oil, Gas & Petrochemistry, Madridge Conference, September 23-24, 2019, Kuala Lumpur, Malaysia.
2. Paper Entitled Experimental Study on LoSal Enhanced Oil Recovery Mechanisms in a Part of an Oil Field of Upper Assam Basin, India was presented in the 4th International Conference on Oil, Gas & Petrochemistry, Madridge Conference, September 23-24, 2019, Kuala Lumpur, Malaysia.
3. Paper entitled 'A study on the effects of Injection Brine Salinity on Fractional Flow Curve during Low Salinity Waterflooding in a part of Upper Assam Basin' was presented in the National Conference on Upstream Petroleum Engineering 2019 (NCUPE 2019) at IIT Guwahati organized by the Department of Chemical Engineering, IIT Guwahati in collaboration with Society of Petroleum Engineers (SPE), North East on 2-3 November, 2019.
4. Participated in a One Week Workshop (Sponsored by TEQIP-III) on NBA Accreditation, NBA SAR Filling and Research Methodology organized by Dibrugarh University Institute of Engineering and Technology, Dibrugarh University in collaboration with Dr. S. S. Bhatnagar University Institute of Chemical Engineering & Technology, Panjab University, Chandigarh from 3rd to 7th June, 2019.
5. Participated in a One Week Short Term Training Programme (STTP) (Sponsored by TEQIP-III) on Advanced Experimental Techniques organized by Dibrugarh University Institute of Engineering and Technology, Dibrugarh University from 28th May to 1st June, 2019.
6. Participated in a Two Days Startup Conclave (Sponsored by TEQIP-III) Lets Start-up: An Entrepreneurship Summit organized by Dibrugarh University Institute of Engineering and Technology, Dibrugarh University on 2nd & 3rd May, 2019.

MR. PRASUN BANIK	<p>1. Professional Development Training held during March 26-30, 2019 at Indian Institute of Management Raipur (STTP).</p> <p>2. NBA accreditation, NBA SAR filling and Research Methodology organized at DUIET held during 3rd -7th June, 2019 (Workshop).</p> <p>3. Technology Innovation and Entrepreneurship organized by Mechanical Engineering Department, DUIET from 2nd to 6th September 2019(Workshop).</p> <p>4. Short term training programe organized by DUIET, on Advanced Experimental Techniques from 28th May-1st June, 2019(STTP).</p>
MS. CHAYANIKA BORAH	<p>1. Grain Size and Petrographic Analysis of Miocene Reservoir Sandstones in apart of Assam-Arakan Basin in the International Seminar cum Workshop on Oil & Gas under the aegis of UGC-UK India Education and Research Initiative Programme and Indo-US 21st Century Knowledge Initiative Programme organise jointly by Dibrugarh University, the University of Edinburgh, UK and the University of Louisiana at Lafayette, Louisiana, USA, held on 7th -8th April, 2019 at Dibrugarh University.</p> <p>2. Petrographic and Petrophysical Analysis of Barail Group Reservoir Sandstones of an Oilfield of Upper Assam Basin, India in the International Seminar cum Workshop on Oil & Gas under the aegis of UGC-UK India Education and Research Initiative Programme and Indo-US 21st Century Knowledge Initiative Programme organise jointly by Dibrugarh University, the University of Edinburgh, UK and the University of Louisiana at Lafayette, Louisiana, USA, held on 7th -8th April, 2019 at Dibrugarh University.</p>
MR. BHASKARJYOTI SAIKIA	<p>1. Paper presented in REFLUX-7 (Chemical Engineering Symposium) in IIT, Guwahati on 27/09/2019.</p> <p>2. Paper presentation in national Seminar, NCUPE-2019) in IIT, Guwahati on 02/11/2019.</p>

MISS BONDITA ROBIDAS

1. Participated Short Training Programme under TEQIP-III and a twinning activity with Dr. S.S. Bhatnagar University Institute of Chemical Engineering & Technology, Panjab University, Chandigarh on "NBA Accreditation, NBA SAR filling and Research Methodology" from 3rd to 7th June, 2019 at Dibrugarh University.

2. Participated Short Training Programme (sponsored by TEQIP III) on "Advanced Experimental Techniques" from 28.05.2019 to 01.06.2019, organised by DUIET, Dibrugarh University.

3. Presented paper (poster) on Analysis of Kinematic Viscosity for Assam crude oil through pipeline by Varying Temperature at National Conference on Upstream Petroleum Engineering (NCUPE 2019) organized by Department of Chemical Engineering, IIT Guwahati held on 2-3 November, 2019.

4. Presented paper (oral) on Influence Of Shear Rate On The Rheological Behavior For Pipeline Transportation Of Assam Crude Oils at Reflux 7.0 organized by Department of Chemical Engineering, IIT, Guwahati held from 28-29th September, 2019.

5. Presented paper (oral) on Study On The Effects Of Temperature On The Transportation Of Assam Crude Oil Through Pipeline in the International Seminar Cum Workshop On Oil & Gas (ISWOG-2019) held on 7th to 8th April 2019, at Dibrugarh University.

6. Presented paper (poster) on Study On The Effects Of Viscosity On The Transportation Of Assam Crude Oil Through Pipeline in the International Multidisciplinary research conference on biodiversity, climate change, physical and life sciences (IMRCBCPL) held on 21-22 January 2019 at DHSK College, Dibrugarh, Assam.

DR. RITURAJ SINGH

1. Well testing: design & interpretation; 01st-05th April, 2019 (One Week)DUIET, Dibrugarh(STTP).

2. Advanced experimental techniques; 29th May-01st Jun, 2019 (One Week) DUIET, Dibrugarh (STTP).

3. Advanced experimental techniques; 29th May-01st Jun, 2019 (One Week); DUIET, Dibrugarh (STTP).

4. NBA accreditation, NBA SAR filing and research methodology ; 03rd-07th Jun, 2019 (One Week) DUIET, Dibrugarh and Dr. SSBUI CET, Chandigarh (STTP).

5. Advanced pedagogies: active learning and digital tools 01st-05th July, 2019 (One Week) IIT Guwahati (STTP).

6. Technology, Innovation and Entrepreneurship; 01st-05th July, 2019 (One Week) DUIET, Dibrugarh (STTP).

7. Implementation of MOODLE system; 01st-05th July, 2019 (Two Day) DUIET, Dibrugarh(Workshop

MR. SUMIT KUMAR	<p>1. Well testing: design & interpretation; 01st-05th April, 2019 (One Week) DUIET, Dibrugarh (STTP).</p> <p>2. Advanced experimental techniques; 29th May-01st Jun, 2019 (One Week) DUIET, Dibrugarh (STTP).</p> <p>3. Advanced experimental techniques; 29th May-01st Jun, 2019 (One Week); DUIET, Dibrugarh (STTP).</p> <p>4. NBA accreditation, NBA SAR filing and research methodology ; 03rd-07th Jun, 2019 (One Week) DUIET, Dibrugarh and Dr. SSBUI CET, Chandigarh (FDP).</p> <p>5. Advanced pedagogies: active learning and digital tools 01st-05th July, 2019 (One Week) IIT Guwahati (FDP).</p> <p>6. Technology, Innovation and Entrepreneurship; 01st-05th July, 2019 (One Week) DUIET, Dibrugarh (STTP).</p> <p>7. Implementation of MOODLE system; 01st-05th July, 2019 (Two Day)DUIET, Dibrugarh (Workshop).</p>
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13. Faculty acted as Resource Person :

14. Refresher and Orientation Courses attended by the Faculty :

Faculty Name	Type	Details
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15. Paper Published in the Referred Journal by the Faculty :

Faculty Name	Title of Paper	Name of the Journal and ISSN No
DR. PRASENJIT TALUKDAR	The effect of salts and Haematite on carboxymethyl Cellulose-Bentonite and partially hydrolyzed polyacrylamide Bentonite muds for an effective drilling in shale formation	Journal of Petroleum Exploration and Production Technology (Springer) ISSN -
Volume No and Date	Citation Index	Impact Factor
9(34), , 01/07/2019	16	0.0
Faculty Name	Title of Paper	Name of the Journal and ISSN No
DR. NAYAN MEDHI	A Study on Abandoned Oil/Gas Wells as Sustainable Sources of Geothermal Energy	Published as a Book Chapter in the Book Emerging Renewable Energy Technologies, ISBN: 978-81-935731-5-0 ISSN -
Volume No and Date	Citation Index	Impact Factor
,	0	0.0
Faculty Name	Title of Paper	Name of the Journal and ISSN No
MS. CHAYANIKA BORAH	1. Petrographic and Petrophysical Analysis of Barail Group Reservoir Sandstones of an Oilfield of Upper Assam Basin, India	International Journal for Research in Engineering Application & Management (IJREAM) ISSN -
Volume No and Date	Citation Index	Impact Factor
Vol-05, May 2019	0	5.834
Faculty Name	Title of Paper	Name of the Journal and ISSN No
MS. CHAYANIKA BORAH	2. Petrographic and Granulometric analysis of Miocene Reservoir Sandstones in a part of Assam-Arakan Basin	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) ISSN - 2319 8753
Volume No and Date	Citation Index	Impact Factor
Volume 8, Issue 8, August 2019,	0	7.089
Faculty Name	Title of Paper	Name of the Journal and ISSN No
MR. SUMIT KUMAR	Adsorption isotherms of CO ₂ CH ₄ binary mixture using IAST for optimized ECBM recovery from sub-bituminous coals of Jharia coalfield: an experimental and modelling approach.	Int. J. Coal Prep. Util. ISSN -
Volume No and Date	Citation Index	Impact Factor

39, 403420, 2019	0	1.57
16. Paper Published in other Journal by the Faculty (only those considered for API score) :		
17. Books Published by the Faculty :		
18. Research Projects Sanctioned :		

Title of the Project	Estimation of CO2 Sequestration Potential of the Cambay Shale Formation, Cambay Basin, India		
Name of Principal Investigator	MR. SUMIT KUMAR		
Total Grant Sanctioned (Rs.)	1373000.00		
Date of Sanction	01-06-2019	Funding Agency	TEQIP-III
Tenure of the Project (in months)	12	Project Status	Continuing
Title of the Project	Development of polymeric nanocomposite pour point depressants for waxy crude oil from North East India		
Name of Principal Investigator	MR. SUMIT KUMAR		
Total Grant Sanctioned (Rs.)	1987000.00		
Date of Sanction	01-06-2019	Funding Agency	TEQIP-III
Tenure of the Project (in months)	12	Project Status	Continuing
Title of the Project	Development of polymeric nanocomposite pour point depressants for waxy crude oil from North East India		
Name of Principal Investigator	DR. RITURAJ SINGH		
Total Grant Sanctioned (Rs.)	1987000.00		
Date of Sanction	01-06-2019	Funding Agency	TEQIP-III
Tenure of the Project (in months)	12	Project Status	Continuing
Title of the Project	Estimation of CO2 Sequestration Potential of the Cambay Shale Formation, Cambay Basin, India		
Name of Principal Investigator	DR. RITURAJ SINGH		
Total Grant Sanctioned (Rs.)	1373000.00		
Date of Sanction	01-06-2019	Funding Agency	TEQIP-III
Tenure of the Project (in months)	12	Project Status	Continuing
Title of the Project	Development of polymeric nanocomposite pour point depressants for waxy crude oil from North East India		
Name of Principal Investigator	DR. PRASENJIT TALUKDAR		
Total Grant Sanctioned (Rs.)	1987000.00		
Date of Sanction	01-06-2019	Funding Agency	TEQIP-III
Tenure of the Project (in months)	12	Project Status	Continuing
Title of the Project	Estimation of CO2 Sequestration Potential of the Cambay Shale Formation, Cambay Basin, India		

Name of Principal Investigator	DR. PRASENJIT TALUKDAR		
Total Grant Sanctioned (Rs.)	1373000.00		
Date of Sanction	01-06-2019	Funding Agency	TEQIP-III
Tenure of the Project (in months)	12	Project Status	Continuing
Title of the Project	1. Carbon neutrality through combined CO2 capture and novel H2 technology with production of non-conventional fuels for smart cities (Indo-Canadian international research project		
Name of Principal Investigator	DR. PRASENJIT TALUKDAR		
Total Grant Sanctioned (Rs.)	7479000.00		
Date of Sanction	01-12-2019	Funding Agency	DST, Govt. of India
Tenure of the Project (in months)	36	Project Status	Continuing

19. New collaborative research project initiated :

20. Initiative towards Faculty Development Programme :

1. 1. Dr. Nayan Medhi organized a Faculty Development Programme (FDP) on Innovative Approaches in Teaching and Research under TEQIP-III as Co-coordinator from Dibrugarh University Institute of Engineering & Technology (D.U.I.E.T.), Dibrugarh University in Dr. S. S. Bhatnagar University Institute of Chemical Engineering & Technology, Punjab University, Chandigarh a Twinning Activity with D.U.I.E.T. from 11th March to 15th March, 2019.
2. Dr. Nayan medhi organized a Two Day Startup Conclave Lets Start-up: An Entrepreneurship Summit Under TEQIP-III in D.U.I.E.T., Dibrugarh University as Co-coordinator on 2nd & 3rd May, 2019.

21. Departmental Library :

No of Books	No of Books procured during the period	No of Journals	No of Journals procured during the period	No of Users

22. Departmental Publications :

23. Academic Visit by the Teachers :

1. 1. Dr. Nayan Medhi visited Dr. S. S. Bhatnagar University Institute of Chemical Engineering & Technology, Punjab University, Chandigarh to conduct a Faculty Development Programme (FDP) on Innovative Approaches in Teaching and Research under TEQIP-III as Co-coordinator from Dibrugarh University Institute of Engineering & Technology (D.U.I.E.T.), Dibrugarh University from 11th March to 15th March, 2019.
2. DR. Prasenjit Talukdar visited IIT(ISM) Dhanbad.

24. Patent Generated :																	
25. Seminar and Workshops Conducted :																	
Name of Seminar/Workshop										Funding Source(s)							
Well Testing: design & interpretation STTP One week Coordinator- Dr. Prasenjit Talukdar										TEQIP-III							
Well Testing: design & interpretation STTP One week Coordinator- Dr. Rituraj Singh										TEQIP-III							
Employability skill training and career planning Workshop One day Coordinator - Dr.Rituraj Singh										TEQIP-III							
Well Testing: design & interpretation STTP One week Coordinator- Mr. Sumit Kumar										TEQIP-III							
Employability skill training and career planning Workshop One day Coordinator -Mr. Sumit Kumar										TEQIP-III							
26. Student Enrollment :																	
Course	GEN		SC		ST		OBC		Minority		Tea Tribes		Phy. Hand		Total		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
27. No of Students Qualified Competitive Examinations :																	
NET(JRF)				NET				SET				GATE		Any Other			
28. Research Scholars :																	
Name of Research Scholar				Name of Supervisor				Date of Registration				Type					
29. Student Activities :																	
30. Student Placement :																	
1. 1. ONGC-Four students																	
31. Student Placement Provided by Department :																	
1. 1. ONGC- FOUR students																	
32. Student Counseling :																	
33. Financial Aid to Students :																	
1. 1. TEQIP III																	