



Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	DR. B. R .AMBEDKAR INSTITUTE OF TECHNOLOGY
Name of the head of the Institution	Utpal Sharma
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	03192-250587
Mobile no.	9434280130
Registered Email	dbragpt.and@nic.in
Alternate Email	utp.sharma@gmail.com
Address	Dr. B. R Ambedkar Institute of Technology Pahargaon Junglighat PO
City/Town	Port Blair

State/UT	Andaman and Nicobar
Pincode	744103
2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	state
Name of the IQAC co-ordinator/Director	Dr. Alagusundaram
Phone no/Alternate Phone no.	03192250587
Mobile no.	9434282489
Registered Email	iqacbrait@gmail.com
Alternate Email	nacdbrait@gmail.com
3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://dbrait.andaman.gov.in
4. Whether Academic Calendar prepared during the year	Yes
if yes, whether it is uploaded in the institutional website: Weblink :	https://dbrait.andaman.gov.in/announcement/academiccalendar4.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B+	2.61	2018	03-Jul-2018	03-Jul-2023

6. Date of Establishment of IQAC

28-Oct-2016

7. Internal Quality Assurance System**Quality initiatives by IQAC during the year for promoting quality culture**

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
National Workshop on Big Data -DBRAIT in association with IITM, IIT Patna and TCS	22-Apr-2019 06	14
Digilocker & Git hub - MeitY	12-Feb-2019 02	5

[View File](#)**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. B. R. Ambedkar Institutute ofTechnology	TEQIP	World Bank	2017 1470	100000000

[View File](#)**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	1
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
12. Significant contributions made by IQAC during the current year(maximum five bullets)	
Academic related pedagogical initiative taken. One month Industrial Training conducted during summer vacation. Training Workshop conducted at IIT Hyderabad. Summer Internship attended by 86 students at IITHyd, IIT Madras ESCI Hyd and BOPT Jamshedpur Rourkela. 01 faculty attended 02 day General Management program for scientist Technologist at DST New Delhi.	
View File	
13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year	
Plan of Action	Achivements/Outcomes
Special achievement	One student from DHMCT 3rd year, One from DHMCT 2nd year and One from Trade Diploma in Food Production were selected for Skills India Competition organized by Ministry of Skills, Government of India first at Port Blair for State level competition, then at Bengaluru for Regional Level Competition followed by a National Level Competition at New Delhi.

Industry Institute Interaction	The activities include: Internships; Industry expert lectures; Placement Activities & Hospitality; Industry Visits, etc.) • More than 60 students got selected (Combined in Engineering & Hospitality sector) • Local industrial visit were carried out for final year, second year and first year diploma students. • 109 students from different departments were sent to IIT Roorkee, IIT Madras, IIT Hyderabad, ESCI Hyderabad and other reputed Industries for four weeks internship training. • Industrial visit of second year electrical students to Chatham Power House on 14/07/2018 • Industrial visit of final year electrical students to Chatham Power House on 11/08/2018
Reforms governance	Peer team from National Assessment and Accreditation Council, an Autonomous Institution of the UGC had audited our Institution from 6th to 7th April' 2018 for grant of NAAC Accreditation. Accordingly our Institute has been granted grade B+ NAAC Accreditation for five years • Our Institute has been awarded with green building gold certificate for the newly constructed B.Tech block from Indian Green Building Council (IGBC), an unit of CII in a function held on 01.11.2018.
Research and development	(The activities undertaken are conducting of Visit of students to Mentor Institute and other National Level reputed Institutes Attending seminar Conference by faculty Staff and Students Book/ Paper Publication • Digital Library e-journals (ACM Digital Library, ASCE 2018, Elseiver Engg & CS package, Springer Nature, IEEE) has been made available for students and faculty of BRAIT under TEQIP -III Project. • Paper was published on Improved Intelligent Transportation System: An Approach for Bilingual License Plate Recognition' by Nikita Singh, Tarun Kumar and Shrabani Mallick.
Faculty staff development and motivation.	Deputing Faculty on Short Term Training Programme at IITs/NITs/Other reputed Institutes. Pedagogical training for faculty • Participation of 04 Nos. of faculties in a training workshop at IIT Hyderabad. • One of the faculty member had attended 02 day General Management Program for Scientist and Technologists at DST New Delhi. • One of the faculty member had attended 06 day workshop on Self awareness in higher education at IIT, Madras.
Improvement of student learning	Visit of students to Mentor Institute and other National Level reputed Institutes • One month Industrial Training were conducted for diploma final year and third year degree students during summer vacation (May/June 2018) . • Summer Internship Attended by 86 Students at IIT-Hyd, IIT-Madras, ESCI Hyd and BOPT-Jamshedpur & Rourkela GATE coaching for all Final Year Students 2018 conducted by NPIU empanelled firm GATE Forum 79 Students have gone through the training out of which 36 appeared for GATE Exam
Academic related	Attending seminar Conference by faculty Staff and Students. • Participation of 02 Nos. of faculties in national level workshop on 'Intellectual property right' (IPR). •

pedagogical initiative Participation of 02 Nos. of faculties in a training workshop at IIT Hyderabad

[View File](#)

14. Whether AQAR was placed before statutory body ?

No

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

06-Apr-2018

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2017

Date of Submission

04-Mar-2017

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

A strong Management Information system (MIS) is required for the coordination, control, analysis and visualization of information in an organization. MIS helps in analyzing the results in terms of comparing the internal marks and University marks obtained by students. It also compares results batch wise, term wise, Faculty wise and take proper corrective action based on the root cause to reduce the number of subjects having less pass. As our Institute is having Environmental management system in place, our first and foremost aim is to focus on preservation of natural resources. Keeping that in view, our Institute portal is structured to reduce the use of paper work. All types of

circulars, orders and notes are circulated using ecircular module. Out Institute Portal is majorly classified into three sections Staff Zone, Student Zone and General section. The major component of the staff section is Biometric attendance, ISO documents and e question bank. The Biometric attendance module has contributed much in the consumption of papers as all staff CL application is eforwarded to section heads for approval. Secondly all the updations in ISO documents is uploaded electronically for use of all department.

Part B

CRITERION I - CURRICULAR ASPECTS

1.1 - Curriculum Planning and Implementation

1.1.1 - Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The Institution follows the curriculum prescribed by the Pondicherry University. The Institution develops action plan for effective implementation of the curriculum prescribed by Pondicherry University. In the beginning of the academic year, the Academic Cell prepares an academic calendar & time table with the consultation of various Head of Departments (HOD) in line with University calendar. Course files are prepared by each faculty for their respective subjects, which contains Vision, Mission, Programme Educational Objective, Programme Outcome, Course Outcome, Learning outcome in Cognitive domain and in psychomotor domain, teaching tool and evaluation tools with students activity. The Course file is approved by the concerned HOD and the lesson plan from course file is uploaded in Students Information System which can be accessed by all concerned students. The unit tests are planned as per the academic calendar and are monitored by the Head of Departments (HOD). Regular feedback(open forum, e-feedback, CR review meeting, FR review meeting and main paper feedback obtained from the stakeholders, with respect to the quality of the enrichment programmes are monitored and evaluated by the Quality Assurance Committee(MR /IQAC Co-Ordinator and Principal) and necessary remedial measures are incorporated in the future. The syllabus, question papers, notes, NPTEL materials, PPTs, lab manuals and videos for each subject are provided in the library as well as in the student information system which are downloadable. Remedial Classes has been incorporated in the Academic Calendar for improving of performance by the student in Unit test and Pre-University Exam. CR and FR meetings are conducted by HOD to review the teaching learning process, academic progress of the students, grievances if any, and suitable remedial measures are taken as and when necessary. Library and every Department maintain

question banks which are used by faculty and students to become familiar with the pattern of examination. Quality of the project is measured based on real-time application, innovativeness, product/process re-engineering and cost-effectiveness of the system. Project development is monitored rigorously at Department level and Project Scrutiny Committee (PSC) level. PSC is designated as a centralized committee to monitor the progress of projects of all departments at a higher level.

1.1.2 - Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
NIL	NIL	Nil	00	00	00

1.2 - Academic Flexibility

1.2.1 - New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	NIL	Nil

No file uploaded.

1.2.2 - Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Electronics and Communication Engineering	03/07/2018
BTech	Civil Engineering	03/07/2018
BTech	Computer Science Engineering	03/07/2018

1.2.3 - Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	Nil	Nil

1.3 - Curriculum Enrichment

1.3.1 - Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
FGA, TFJ, KST(28 Courses)	03/10/2018	282
NPTEL courses(78 Courses)	12/01/2018	319

[View File](#)

1.3.2 - Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Electronics and Communication Engineering	23
BTech	Computer Science Engineering	21
BTech	Civil Engineering	36

[View File](#)

1.4 - Feedback System

1.4.1 - Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 - How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

Effective feedback is very helpful. Feedback is valuable information that is used to make important decisions. For all organizations, 'continual improvement' is the foremost requirement. Continual improvement is possible only with proper feedback system. It's a true focus based on feedback from across the entire organization covering all stakeholders. Our organization believes that feedback is helpful only when it highlights weaknesses as well as strengths. One of the efforts that are put forth in regards to customer satisfaction is to monitor it. This way, we come

to know exactly where we stand with the satisfaction of our customers, and are ready to take the correct action to stay where we need to be. In our Institute, there is laid down procedure to collect feedback from all stakeholders. Feedback is taken on time bound manner from Students, Parents, Employers, Teachers, and Alumni through Google forms. Google forms are designed in such a way that all the required parameters are covered. The inputs received from such feedback helps in understanding the lacuna in curriculum, new topics/area to be added, extra facilities to be included etc which helps in further improvement in the relevant areas. Apart from the google form feedback, Students Feedback is also taken using the e-feedback module available in the Institute portal. Such feedback is taken every semester from all the enrolled students which include feedback on Academics, Library facilities, Canteen facilities. Complete transparency is maintained. There are three levels of monitoring along with corrective action. Firstly, the feedback is addressed by the concerned teacher, then checked by the concerned HoDs and finally reviewed by Principal. As part of the outcome based education, the Course exit survey and Program exit survey is completed with inputs from all the students which helps for further improvement in teaching learning process.

CRITERION II - TEACHING- LEARNING AND EVALUATION

2.1 - Student Enrolment and Profile

2.1.1 - Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Computer Science and Engineering	96	389	27
BTech	Civil Engineering	96	458	31
BTech	Electronics and Communication Engineering	96	405	31

[View File](#)

2.2 - Catering to Student Diversity

2.2.1 - Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses

2018	374	Nil	21	Nil	21
------	-----	-----	----	-----	----

2.3 - Teaching - Learning Process

2.3.1 - Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
21	21	6	12	Nil	5

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 - Students mentoring system available in the institution? Give details. (maximum 500 words)

Our Institution has implemented a student mentoring system. One teacher is allotted one class and they will be mentor to all students in that particular class. This system has been introduced to establish a better and effective student-teacher relationship and guide the students in Academic matters and to give emotional support. . Students will have to go and meet their Mentor atleast once in a month for guidance or as and when required, The students must feel to confide in their mentors. This is a continuous process till the end of academic career of student. The aim of student mentor-ship is to To enhance teacher -student relationship, to enhance student's academic performance and attendance, to minimize student's dropout ratio, to monitor the student's regularity and discipline and to enable the parents to know about the performance of regularity of wards. It is the practice of mentors to meet students individually or in groups. In isolated cases parents are called for counselling and their special meeting with the principal at the suggestion of the mentor. HOD will meet all mentors of his/her department at least once in a month to review paper implementation of system. Advice mentors wherever necessary. The mentor will arrange remedial class for the weak students. The mentors give personal guidance, career guidance academic related guidance for both theory and practical subjects.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
374	16	1 : 23

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
24	14	10	7	5

2.4.2 - Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from

Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Nil	Nil	Nil

No file uploaded.

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	CSE	1 to 7 ODD Semester/2018-2019	01/08/2018	21/12/2018
BTech	CSE	2 to 8 EVEN Semester/2018-2019	02/01/2019	07/06/2019
BTech	CE	1 to 7 ODD Semester/2018-2019	01/08/2018	21/12/2018
BTech	CE	2 to 8 EVEN Semester/2018-2019	02/01/2019	07/06/2019
BTech	ECE	1 to 7 ODD Semester/2018-2019	01/08/2018	21/12/2018
BTech	ECE	2 to 8 EVEN Semester/2018-2019	02/01/2019	07/06/2019

[View File](#)

2.5.2 - Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

- Two Unit test are conducted in each theory subject which carry 20 marks each. - The question papers are prepared based on Blooms taxonomy mentioning CO and levels of each questions. - The third unit test is assessed based on the students centric activity. -Two unit test is conducted for assessment of progressive skill test. -Rubrics is used for assessment of practicals. -CO attainment is calculated for improving the teaching learning process. - 5 marks is allotted for attendance for

all theory subjects and 10 marks is allotted for attendance for all practical subjects. - class test assignment are taken at regular interval for improving the learning process. -question papers are validated for improving the quality of question papers.

2.5.3 - Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Continuous Internal Evaluation (CIE) is conducted as per academic calendar. Three unit tests are conducted for theory subjects in a semester each carry 20 marks. All the question papers are prepared with specification table for easy validation by Head of the Department. All question paper reflects the course outcome and learning outcome. Analysis of unit test is carried out in quality record IR140(a) and parents are informed and corrective measures are taken. Separate time is reflected in the Academic Calendar for remedial class. Out of two unit test(20 marks each), best one is taken which is added with student centric activity(as U3of 20 marks) 5 marks are allotted for attendance in theory subject. Unit tests are conducted in decentralized manner in class by respective teachers along with one more faculty for invigilation. For internal evaluation of practical, two practical test P1 P2 of 40 marks each are conducted. 10 marks is allotted for attendance in practical test. Average of two and attendance marks will form internal assessment for Practical. For practical test, checking and viva part is taken care by other designated faculty. All the marks of internal test are entered in student management system. Internal evaluation procedure is documented in ISO procedure.

2.6 - Student Performance and Learning Outcomes

2.6.1 - Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://dbrait.andaman.gov.in/>

2.6.2 - Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
ECE	BTech	Electronics and Communication Engineering	23	22	91
CSE	BTech	Computer Science Engineering	21	21	100
CE	BTech	Civil Engineering	36	36	100

[View File](#)

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://dbrait.andaman.gov.in/>

CRITERION III - RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	2	MeiTy	200000	200000

[View File](#)

3.2 - Innovation Ecosystem

3.2.1 - Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
DigilockerGit hub - MeiTY	IQAC	13/02/2019
Andaman Incubation Centre	Andaman and Nicobar Administration	27/04/2019

3.2.2 - Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
NIL	NIL	NIL	Nil	NIL

No file uploaded.

3.2.3 - No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
1	Andaman Incubation Centre	Andaman and Nicobar Administration	NIL	NIL	Nil

No file uploaded.

3.3 - Research Publications and Awards

3.3.1 - Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

3.3.2 - Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
ECE, CSE, Civil, Humanities	Nil

3.3.3 - Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Electronics and Communication	3	Nil

No file uploaded.

3.3.4 - Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
00	Nil

No file uploaded.

3.3.5 - Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation

Intelligent Medicine Reminder System	Anuj Mahto, K Karthiga, Nitish Biswas , R Prakash	International Journal of Engineering and Science Invention	2019	Nill	DBRAIT	Nill
Automation with smart meter	B.mullai, K.Deepthi, K.Nitya, Surojit Mazumder, Utpal Sharma	International Journal of Engineering and Science Invention	2019	Nill	DBRAIT	Nill
Automatic analysis of rheumatoid arthritis based on statistical features	Anuj Mahto, Vishal Babu, R suguna, V Bhairavi	International Journal of Engineering and Science Invention	2019	Nill	DBRAIT	Nill

[View File](#)

3.3.6 - h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
00	Nil	Nil	Nill	Nill	Nill	000

No file uploaded.

3.3.7 - Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nill	4	Nill	Nill
Attended/Seminars/Workshops	Nill	1	Nill	Nill

[View File](#)

3.4 - Extension Activities

3.4.1 - Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the	Organising unit/agency/	Number of teachers participated in	Number of students participated in
--------------	-------------------------	------------------------------------	------------------------------------

activities	collaborating agency	such activities	such activities
NSS Activity	DBRAIT	5	45
SABAS- SoCh activity	DBRAIT	5	10
CADE- SoCh activity	DBRAIT	3	12
SWACH-SoCh activity	DBRAIT	3	12
Swatchta he Seva	DBRAIT	5	45

No file uploaded.

3.4.2 - Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
NIL	Nill	Nill	Nill

No file uploaded.

3.4.3 - Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
SABAS- SoCh activity	DBRAIT	creating awareness about the importance of cleanliness and hazardous effect of plastic debris on marine lives, in all sea beaches where tourist movement is more.	5	10
CADE- SoCh activity	DBRAIT	creating awareness and disposal of e-waste	3	12

Swatchta he Seva	Andaman and Nicobar Administration	well cleaning, campus cleaning, lab cleaning	5	45
NSS	DBRAIT	Different activities like beach cleaning, Swatch Bharat Abhiyan , awareness about harmful effect of e-waste	5	45
Kerela Relief	DBRAIT	arranging and sending cloth and other necessary items to relief camps in kerala	10	80
Women day	DBRAIT	giving awareness programme on woman rights	5	22

No file uploaded.

3.5 - Collaborations

3.5.1 - Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
NIL	NIL	00	00

No file uploaded.

3.5.2 - Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Training	Data Science	ESCI	05/06/2019	06/07/2019	08
Training	Employability skills	Ethnus	17/05/2019	10/06/2019	18
Training	Data Science	PCS GLOBAL	03/06/2019	03/07/2019	33
Internship	Summer Internship	IIT MADRAS	04/06/2019	04/07/2019	07
Coaching	GATE Coaching	GATEFORUM	20/12/2018	01/01/2019	21
workshop	Advanced Android App	Value Innovation Lab, New Delhi	03/12/2018	09/12/2018	60
Technical	Advance Structural	NIT Trichy	13/09/2018	14/09/2018	10

lecture	Analysis			
View File				
3.5.3 - MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year				
Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs	
IIT Kharagpur-NPTEL(Establishment of local chapterfor conducting online certificate Course)	01/01/2018	Certificate Course	38	
View File				
CRITERION IV - INFRASTRUCTURE AND LEARNING RESOURCES				
4.1 - Physical Facilities				
4.1.1 - Budget allocation, excluding salary for infrastructure augmentation during the year				
Budget allocated for infrastructure augmentation		Budget utilized for infrastructure development		
32800000		32679404		
4.1.2 - Details of augmentation in infrastructure facilities during the year				
Facilities			Existing or Newly Added	
Number of important equipments purchased (Greater than 1-0 lakh) during the current year			Existing	
Seminar halls with ICT facilities			Existing	
Classrooms with LCD facilities			Existing	
View File				
4.2 - Library as a Learning Resource				
4.2.1 - Library is automated {Integrated Library Management System (ILMS)}				

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
ILMS software	Partially	Version - 1.0 4.	2008

4.2.2 - Library Services

Library Service Type	Existing		Newly Added		Total	
Reference Books	49629	1101899	268	117000	49897	1218899
e-Journals	Nill	Nill	5	2506115	5	2506115

[View File](#)

4.2.3 - E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Nill	0	Nill	Nill

No file uploaded.

4.3 - IT Infrastructure

4.3.1 - Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	120	9	1	1	0	2	3	6	0
Added	0	0	0	0	0	0	0	0	0
Total	120	9	1	1	0	2	3	6	0

4.3.2 - Bandwidth available of internet connection in the Institution (Leased line)

6 MBPS/ GBPS

4.3.3 - Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NIL	Nill

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
7500000	583125	307096	307096

4.4.2 - Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

As regard to the maintenance of academic buildings, workshops, residential quarters etc are concerned, the repair and maintenance works are carried out through the APWD. Requests for repair etc are sent through the Campus Officer of the institute, who is responsible for upkeep and maintenance of the buildings /Campus. Sufficient fund is allocated to APWD to carry out the maintenance works. Electrical maintenance /repair works are carried out by the "Maintenance Cell" of Electrical Department of the institute. Computing facilities are maintained by the Computer Department. The concerned departments take care to protect sensitive instruments from mechanical and electrical damage of their labs. The institute has a centralized UPS which caters the need of computer hardware and server. Diesel Generator with a capacity of 2x250KW is installed in the institute for power backup support. Water Purifiers are placed at different location of academic building, Workshops, hostels and canteen for providing safe drinking water. Check Dams available in the campus to collect rain water to meet the water requirement of the institute. The water so collected is used for washrooms and irrigation of garden. Water purifier is also installed at the dam area for purification of water

<https://dbrait.andaman.gov.in/>

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	10s	4	9000
Financial Support from Other Sources			
a) National	Grant of additional Scholarship	31	310000
b) International	Nill	Nill	Nill

[View File](#)

5.1.2 - Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
GATE Training	13/06/2018	79	GATEFORUM (division of Thinkcell Learning Solutions Pvt Ltd), 9959173183
Employability Skill Training	12/06/2018	321	ETHNUS, Bangalore, 989 486 8015
Competative Exam [GATE Caoching]	03/07/2018	21	GATE Forum Hyderabad
Soft Skill Development	04/07/2018	34	Facutly DBRAIT
Ethunus	19/06/2018	34	EMPLOYBILITY SKILL TRAINING BY BANGALORE (TEQUIP- III PROJECT)
Personal Councelling	26/06/2018	25	Faculty Advisor DBRAIT

[View File](#)

5.1.3 - Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	GATE Coaching	21	Nill	Nill	Nill
2018	Conduct of Guest Lecture under ISO - Industry Interaction program, -Emerging Technological Updates	36	16	Nill	6
2018	Guest lectures conducted under ISO - Industry Interaction program, Emerging Technological updates, Environmental friendly practices	36	16	Nill	6

[View File](#)

5.1.4 - Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
74	74	25

5.2 - Student Progression

5.2.1 - Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Nil	Nil	Nil	APWD, Private construction Company, Construction site	79	34

[View File](#)

5.2.2 - Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	5	B Tech	Computer Science Engineering	Institution in Mainland	M Tech and Coaching for GATE
2018	5	B Tech	Civil Engineering	Institution in Mainland	M Tech and Coaching for GATE
2018	9	B Tech	Electronics and Communication Engineering	Institution in Mainland	M.tech and Coaching for GATE

[View File](#)

5.2.3 - Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	Nil
SET	Nil
SLET	Nil
GATE	1
GMAT	Nil
CAT	Nil
GRE	Nil
TOFEL	Nil
Civil Services	Nil
Any Other	Nil

[View File](#)

5.2.4 - Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Various credentials in the field of engineering	Degree Level	3
Elocution	Degree Level	5
Debate	Degree Level	3
Quiz	Degree Level	5
Speech	Degree Level	6
Sports	Degree Level	50

[View File](#)

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
------	-------------------------	------------------------	-----------------------------	-------------------------------	-------------------	---------------------

2018	NIL	Nil	Nil	Nil	00	Nil
------	-----	-----	-----	-----	----	-----

No file uploaded.

5.3.2 - Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The establishment of Student councils plays an integral and important role in the student community. This provides a platform through which students can debate issues of concern and undertake initiatives of benefit to the Institute and the wider community. The objective of student council is to give students an opportunity to develop leadership by organizing and carrying out Institute activities and programmes. In addition to planning events that contribute to the Institute spirit and community welfare, the student council is the voice of the student body. With the above objective, Student Council was formed which included representation in areas like Literary, Cultural, Sports, Discipline, Campus etc. Some general objectives include:-

- To represent the views of the students to management on matters of general concern to them
- To promote an environment conducive to educational and personal development
- To support the management, Faculty and staff in the development of the college
- To organize programmes for overall development of students and timely transfer of information to all students
- To help provide better internship opportunity to all students

The Student Council should have members on whom all students have faith. This is possible only when students are electing their representatives. This was a challenge for the management. Dean (Student affairs) formed a group of Class Representatives (2 i.e. 1 boy and 1 girl from each class). The group will give nomination for the each Category i.e for Student Secretary, Secretary (Literary), Secretary (Cultural), Secretary (Sports), Secretary (Campus), Secretary (Discipline) along with joint secretaries in each area. Our Institute had developed a microcontroller based voting machine along with Biometric module as project work in Electronics Communication department. The challenge of election was overcome using this. All the students' finger prints were registered. After completion of registration, students from each class were called one by one and the voting was completed. Thus the elections of Student Council were completed in fair and transparent manner without any objections. The student Council takes oath in front of all students and faculty in the institute Auditorium. The tenure of the Council is for a period of one year. Every year election is carried out for selection of new Council. Any Student Council can succeed only when they have a better communication between the "Council and students" as well as between "Council and Institute management". For the improvement of the above two parameters, proper care is taken by our Institute. The Student Council represents all students in the college. It is very important that students receive regular information on the plans and activities of the Student Council and that as many students as possible participate in

events organized by the Council. Each member of the Council has a special responsibility and should ensure that their views are brought to the attention of the Council and that they remain fully informed of the Council's activities. Proper letter heads of Student Council were made for all important circulars and notices. Such communications were shared with students through all class

5.4 - Alumni Engagement

5.4.1 - Whether the institution has registered Alumni Association?

Yes

The Alumni of the Institute (erstwhile known as Dr. B.R.Ambedkar Govt. Polytechnic) was formed in the year 2002 and was registered in the Office of Registrar vide no 1110 dated 18/12/2002. Later the institute upgraded with Degree program in B.Tech in the year 2009 and with the first batch rolling out in the year 2013 B.Tech Alumni also got added in the existing ALUMNI . Till date 121 passed out B.Tech students have added their names in the existing ALUMNI which already had 500 odd members presently working in Local, National and International organizations. Alumni Executive committee was re-constituted in the year 2016 and changed the name as BRAIT Alumni in which both B.Tech and Diploma passed out are elected as Executive members. The Alumni Activities include the following

SN Activities

Technical Activities

- 1 Organizing Guest Lecturers with Experts from Technical companies as and when they visit the islands for related work
- 2 Support in organizing Technical symposiums
- 3 Support in organizing Industrial visits for students
- 4 Organizing career counseling sessions as and when they visit Islands
- 5 Taking up joint projects involving juniors
- 6 Assisting the juniors through forming Google group and conveying various employment opportunities

Socio- Culture Activities

- 7 Organizing and supporting Blood Donation Camp on special occasions
- 8 Organizing and supporting Tree Plantation in coordination with Forest department
- 9 Contributing to LG Relief fund along with institute under SoCh activity
- 10 Sponsoring prizes for meritorious students

The executive committee of ALUMNI meets monthly in the premises of institute for planning.

5.4.2 - No. of enrolled Alumni:

31

5.4.3 - Alumni contribution during the year (in Rupees) :

0

5.4.4 - Meetings/activities organized by Alumni Association :

29-06-2019 Roping Guest Speakers -Local Entrepreneurs for motivational Lectures at Institute
17-08-2019 Creating website for Alumni
01-09-2019 Participation in Institute Foundation day

CRITERION VI - GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - Mention two practices of decentralization and participative management during the last year (maximum 500 words)

DBRAIT believes in totally different kind of work culture. Being certified Integrated Management System, the Institute facilitates a perfect decentralization of activities and delegation of authorities, which has proven itself to be a key concept in the success achieved by the institute on different counts. The working methodology basically focuses on student.. Involvement of each and everyone in the decision-making and the transparency associated therein also form the important features of the work culture. The institute functions with perfect decentralized administration as depicted below.

STATE LEVEL ADVISORY COMMITTEE The state level Advisory committee for technical education of UT of A N Islands make recommendation to the Andaman Nicobar Administration after discussing issues on establishment of new institution, various intake capacity of existing Institution, introduction of new programmes in the existing Institution and extension of approval of existing Institution for the forth coming academic session.

- The member of state level advisory committee is
- Secretary(Tech Edn)-Chairman
- Director MHRD-member
- Representatives of AICTE-member
- Two representative of Affiliating university-member
- Representative from affiliating board-member
- Two representatives from BRAIT-member

FUNCTIONS OF KEY ADMINISTRATIVE POSITIONS: The functions of various key positions are depicted in Table below.

PRINCIPAL Powers:

- All financial powers as per administration Order No 253 dated 29/01/2012
- Academic and administrative management of the institution
- Providing academic and administrative leadership
- Promotion of industry institution collaboration and Industry oriented Research and development
- Monitoring and evaluation of academic activities in the institutions
- Public relations and interaction with the community
- Organizing and coordinating consultancy services
- Participating in policy and system planning at state.
- Regional and National Levels for development of Technician Education
- Promoting and coordinating Continuing Education Activities

MANAGEMENT REPRESENTATIVE Duties:

- Coordination of all activities pertaining to Integrated management system
- Standard and ensuring its implementation and maintenance.
- Documentation of Quality System.
- Selection and training of Internal Quality Auditors.
- Planning and Implementation of Internal Quality Audit Schedules.
- Monitoring Corrective and Preventive Actions Relating to the Servicing process and the Quality System.
- Promoting the awareness on customer requirements throughout the organization
- Reporting the performance of the Quality System in Management Review.

HEAD OF DEPARTMENTS Duties :

- Providing leadership in teaching of diploma and post diploma courses.
- Organizing R D work in Industrial problems and Projects
- Departmental Administration
- Assisting in the administration of the Institution
- Publication of Technical Papers
- Curriculum Development and development of resource materials
- Innovations in technician

education and evaluation • Continuing Education Activities • Public relations and interaction with the community Students Counseling and student interaction • Perform any other assignment / duties assigned by superior. DEAN (Academics) Admission of students as per procedure laid down. Coordinating with Board / University for conduct of final examination. Result analysis and declaration of results. Issue of certificates to students. TRAINING AND PLACEMENT OFFICER • To invite prospective companies to campus for recruitment. • To register students for the job with prescribed qualification. • To arrange for various facilities

6.1.2 - Does the institution have a Management Information System (MIS)?

Yes

6.2 - Strategy Development and Deployment

6.2.1 - Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Teaching and Learning	1. IIT/ NIT training at IIT/NIT or in parent institute (training fees, honorarium to faculty, TA/DA of students or resource person) 2. Induction Training for 1st year lateral entry students in 2nd year - Training of faculty mentors by induction coordinators already trained lectures on Universal human values, Crash course on communication skills crash/ bridge courses on conceptual learning on mathematics and physics, expenditure on art and craft training, physical activities (own faculty with honorarium/ hired experts) 3. Expenditure on Student Excellence and Learning Programme (SELP-art of living) 4. GATE Orientation Programme for all students, 5. GATE Preparation Classes from 3rd year onwards 6. GATE Registration Fee (only for final year students) 7. Career Counselling for Student appointment of counsellor (internal/external)- honorarium, TA/DA etc. 8. Employability / Psychometric/Diagnostic Test of all students 9. Honorarium for Remedial Classes for failure / academically low performing students 10. Peer Learning- incentivizing students 11. Student Visits to IIT RD organizations 12. Institutional memberships for professional societies 13. Sponsorship of 20 on academic activities in Tech Fest 14. Registration Fees and TA/DA for students participating in Tech Fest of IIT/NIT 15. Exposure visits of social backward and girls students to reputed organisations 14. Providing GATE learning materials for students preparing for GATE and not participating in training 15. Expenditure of conduct of practicals for students in other nearby institute on advance equipments Learning resources : (e-books, e-journals, softwares, text book etc.)
Research and	1. Attending Conferences/ Seminars/ Workshops for UG/PG/Ph.D students within or

Development	outside institute 2. Spares and consumables for UG/ PG student research project 3. Seed Money for R D for faculty research projects 4. Providing seed money to students for their projects. (Incentivisation through prizes, appreciation etc.) 4. Publication in peer reviewed journals having citation impact factor and scopus index 5. Fees and facilitation charges for patent filing for faculty and students, 6. Workshops on writing collaborative research proposals 7. In house product development by students 8. Expenses for using infrastructure facilities (rent) in other organizations 9. Expense on testing/characterization of samples of RD projects undertaken by faculty/students 10. Appointment of retired teachers from IITs/NITs/other reputed institutions as Senior Research Advisor (salary/honorarium - as approved by competent authority of institution 11. Additional funding for soft activities in collaborative research scheme
Human Resource Management	1. Short Term Training Programmes (STTP) in house 2. Registration fee and TA/DA for STTP in other reputed institutes 3. IIT training to faculty at IIT or in parent institute 4. Attending Conferences/ Seminars / Workshops 5. Support Staff training, 6. Counselling of faculty and staff, particularly for disadvantaged sections of the society 7. Qualification up gradation of faculty and staff 8. Faculty training on NASSCOM future skills 9. Faculty training on digital pedagogy 10. Motivational talks for faculty and staff for improving efficiency and belongings 11. Faculty and staff training in industry (registration fees, TA/DA, accommodation etc.)
Industry Interaction / Collaboration	Expenditure on TA/DA registration fees for Internships 2. Inviting Industry expert for lectures 3. Placement Activities Hospitality for the companies coming for placement 4. TA/DA of students and faculty for Industry Visits, 5. Arranging HR summit for placement 6. Preparation and printing of brochure for placement 7. Expenditure on submission of collaborative research proposals to the industry 8. Conducting workshops for GD/PI, preparation of CV for placement, mock interviews 9. Conduct of Alumni meet for career guidance and placement activities 10. Arranging pool campus 11. Participation of industry experts in curriculum development through ICC. 12. TA/DA and honorarium for industry experts assisting in delivery of curriculum

6.2.2 - Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	e governance initiative is done by the student through Software development for different clients of A N Nicobar Islands.
Administration	1) Biometric attendance system prepared by the Institute as a students project and is implemented in Institution for attendance entry of all staff, leave entry and

	approval etc. Guest Lecturer appointment letter generation available in Institute portal. 2) File tracking system - This system will help all government departments to keep track the movement of every file. Letter Diary Dispatch • Order Dispatch • Tracking the movement of files
Finance and Accounts	1) Biometric attendance system is linked with preparation of salary. 2) Store Management System is having finance accounts part which is used for preparation of salary statement.
Student Admission and Support	1) On line Common admission Software prepared by the Institution and implemented in admission of all Higher Education Institute in Andaman and Nicobar Islands. 2) For other all students activities right from registration in the semester, monthly attendance entry, Marks entry, Result Analysis, Defaulter list, academic calendar, NPTEL Course material, Students information system is available.
Examination	Question paper generation Software prepared by the Institute as a students project and operational from more than 5 years

6.3 - Faculty Empowerment Strategies

6.3.1 - Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Dr. Saiyed Saleem Sayeed	Short term course on fundamental characterization of solar cell	IIT KANPUR	28809
2019	Mr. Altamash Mustafa	Socio economic impact of transformation in industry challenges an opportunity	IIT Roorkee	69600
2019	Mr. Harshavardhan, Mr. Chandrasekhar V,	Data Science	ESCI	108677

	Mr.A.Thiruneelakandan, Dr. E.Muthu Kumar, Mr.Vinod Kumar, Mr. Chanakya Reddy, Ms. S.Sangeetha	workshop	Hyderabad	
2018	Dr. E.Muthu Kumaran, Mr. H. Shree Kumar, Ms. Mullai	Raspberry pi	R D Engineer Tech Cryptors Mumbai	10059
2018	Mr. Abhishek Gupta, Mr. S.Sangeeta, Mr.Altamash Mustafa, Ms.Rajashri Kulkarni, Mr. Vinod Kr, Dr. Prashant, Dr. Satish, Mr. Tejinder Singh, Mr. Harsabardhan, Mr. Chandra Sekhar Mr. Praveen S. Mr. B. Chanakya, Dr.Saiyed, Mr. H. Shree Kr, Mr. Dweepson	Self Awareness in Life and Education	IIT Madras	29825
2019	Mr.Thiruneelakandan	Professional Computer Networking	IEEE Computer society	21312
2019	Mr. Altamash Mustafa, Mr. Praveen S.	Design of Bridge and its components	IITs	93639
2019	Mr. Altamash Mustafa	Analysis Design of RC Buildings in Seismically sensitive Zones Present Future	IIT-Bombay, Madras, Hyderabad and CSIEPSL Bangalore	122878
2019	S.Sangeeta	National conference on equity: achievement and challenges in India	College of Engineering Pune	64296
2019	Harshabardhan Barik	Training program on public procurement	NIFM Faridabad	31867

[View File](#)

6.3.2 - Number of professional development / administrative training programmes organized by the College for teaching and non teaching

staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	EDP	Nill	01/11/2018	01/11/2018	1	Nill
2018	Self-Awareness in Life and Education	Self-Awareness in Life and Education	19/11/2018	21/11/2018	38	6
2019	National Conference on micro-cosmos 2019	Nill	23/03/2019	23/03/2019	2	Nill
2018	Intellectual Property Right	Nill	26/09/2018	27/09/2018	4	Nill
2018	International conference on digital pedagogy	Nill	01/04/2019	01/04/2019	2	Nill
2018	Raspbberri pi	Raspbberri pi	29/11/2018	30/11/2018	7	2
2019	Professional Computer Networking	Nill	27/07/2019	29/07/2019	2	Nill
2019	Analysis Design of RC Buildings in Seismically sensitive Zones Present Future	Nill	08/07/2019	12/07/2019	3	Nill
2019	Digilocker Open-forg	Digilocker Open-forg	12/02/2019	12/02/2019	5	4
2019	Big data analytics and machine learning	Nill	22/04/2019	27/04/2019	14	Nill

[View File](#)

6.3.3 - No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Socio economic impact of transformation in industry challenges an opportunity	1	13/05/2019	17/05/2019	5

Metrology engineering inspection	1	03/06/2019	16/06/2019	15
Big data analytics and machine learning	14	22/04/2019	27/04/2019	5
Raspbberri pi	7	29/11/2018	30/11/2018	2

No file uploaded.

6.3.4 - Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
24	21	12	15

6.3.5 - Welfare schemes for

Teaching	Non-teaching	Students
College staff welfare fund ,Welfare fund2.Cooperative welfare society PSCCS3.Leave Tour Concession 4.Annual Free SeaPassage 5.Medical reimbursement6.Departmental loans 7.Staff quarter8.College bus 9.Casual Leave 10.Half payleave 11. Child care leave for ladies 12.Summer and Winter vacation 13.Study leave14.Insurance, Gratuity pension	College staff welfare fund ,Welfare fund2.Cooperative welfare society PSCCS3.Leave Tour Concession 4.Annual Free SeaPassage 5.Medical reimbursement6.Departmental loans 7.Staff quarter8.College bus 9.Casual Leave 10.Half payleave 11. Child care leave for ladies 12.Summer and Winter vacation 13.Study leave14.Insurance, Gratuity pension	- A cooperative welfare society PSCCS

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly (with in 100 words each)

The academic processes are audited by third party as a part of surveillance audit. The financial audit is carried out by CAG once in 2 years. The academic process of the institute is internally audited once in a year by internal trained Auditors. The time is given by Auditor to Auditee to rectify the non-conformity observed. If the nonconformity is not rectified, it remains open till it is rectified. All the audit reports of Auditors is submitted to management representative of ISO 9000 14000. The key issues of the internal audit is also discussed in management review meetings. Sample surveillance external audit is done by the Auditors from BVQI. No major non-conformities were observed by the Internal External Auditors. The External Financial Audit of the institute is carried out by Controller Auditor General (CAG).

6.4.2 - Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
INTEL-FICE Bangalore	250000	The purpose of starting the fund was to help the economically weaker section of the society. This will develop philanthropic spirit in the students , Boost their morale by contributing to the upliftment of their own team members. Rs 2,40,473/- has been given to students belongs to economically weaker society and are facing problem to pay their fees.

[View File](#)

6.4.3 - Total corpus fund generated

1836901

6.5 - Internal Quality Assurance System

6.5.1 - Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Controller Auditor General (CAG) .	Yes	Internal trained Auditors
Administrative	Yes	Controller Auditor General (CAG) .	Yes	Internal trained Auditors

6.5.2 - Activities and support from the Parent - Teacher Association (at least three)

-The parent teacher meet is conducted every year and inputs from the parents is taken for the development of Institution. - Mentorship of teacher in association with parents for the guidance in academic activities is done. -Feedback is taken from parents students development and development of Institution.

6.5.3 - Development programmes for support staff (at least three)

OBE Training is carried over for Support Staff also. Support staff are send for higher education

training for knowledge upgradation.

6.5.4 - Post Accreditation initiative(s) (mention at least three)

- 109 students from different departments were sent to IIT Roorkee, IIT Madras, IIT Hyderabad, ESCI Hyderabad and other reputed Industries for four weeks internship training. -Symposium and Workshop - around 11 Workshop and 01 Conference was organized by various departments of the Institute which was attended by around 1000 students. 01 workshop and 01 conference was of national level. -Interaction with eminent personality - □ Visit of Vice President of India in DBRAIT addressed the students of all Colleges of A N Islands on 5th 6th July 2018. □ Interaction of students with Hon'ble Lt Governor during Andaman Nicobar College festival held during March 2019. □ Interaction with industry professional such as CMS, TCS, IISc. - Placement - Job Fair has been organized. -Community related activity - □ The students have undertaken various community related activity under SoCH and Unnat Bharat Scheme. 8 villages have been selected for social assessment survey (SAS). 01 village with 400 households have been covered under SAS and in 2 village more than 40 households have been covered. □ Around 200 students have taken initiative for wall painting of the walls of the campus and around 400 sq.mtrs of walls has been painted depicting schemes of GoI related to social challenges. □ Organized blood donation camp on 06th September 2018, more than 50 students donated blood. - Awards - The Institute team won Smart India Hackathon organized by AICTE with the prize money of Rupees One Lakhs. - Publication -published around 3 papers in the Journals. □ Civil Works - Completion of New Academic Block - Completion of Bio-gas Plant - Painting and minor repairs of Main Building □ Procurement of equipments and Machineries - 212 Computers for different labs - Equipments for different labs

6.5.5 - Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Nil

6.5.6 - Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	green building gold certificate for the newly constructed B.Tech block from Indian Green Building	01/11/2018	01/11/2018	01/11/2018	50

	Council (IGBC), an unit of CII in a function held on 01.11.2018.				
2019	National Workshop on Big Data -DBRAIT in association with IITM, IIT Patna and TCS	22/04/2019	22/04/2019	27/04/2019	14
2019	Digilocker Git hub - MeitY	12/02/2019	12/02/2019	13/02/2019	5

No file uploaded.

CRITERION VII - INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
PRATIDAAAN SOCH	01/01/2018	01/01/2019	67	77
Indian Hackathon 2018	01/04/2018	01/04/2018	7	6
Internship Training at Infosys	05/07/2018	05/07/2018	20	30
Kerala Relief	19/07/2018	19/07/2018	30	50
Independence Day	15/08/2018	15/08/2018	55	45
Hindi Fortnight	03/09/2018	03/09/2018	35	25
Engineers Day	15/09/2018	15/09/2018	42	58
29 Oct Vigilance awareness week	29/10/2018	29/10/2018	40	30
Ekta Diwas	31/10/2018	31/10/2018	47	53

7.1.2 - Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

Total Lighting requirements (Watts) - 150145 Percentage Lighting through LED bulbs - 13.09
Percentage Lighting through other sources - 86.91

7.1.3 - Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries

Provision for lift	Yes	200
Any other similar facility	Yes	1

7.1.4 - Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	19	Nil	19/07/2018	2	Extension centres are working in different Island to help the local community	Computer education	25
2018	Nil	5	14/07/2018	2	Nil	Different activities like beach cleaning, Swachh Bharat Abhiyan, awareness about harmful effect of e-waste	145

[View File](#)

7.1.5 - Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of conduct for teacher	22/01/2018	code of conduct for teachers has been prepared and implemented. It includes responsibility and accountability of a teacher which has to be followed by all teacher. It also indicates rules related to the punctuality and attendance, leave and other general rules.
Code of conduct	02/12/2018	The code of conduct for students includes all rules and policies related to students. Each student is responsible to know, observe, abide by, and adhere to the Code of Conduct, policies, rules, and regulations.

for
students

7.1.6 - Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
150 years of Mahatma Gandhi- competition	03/11/2018	03/11/2018	30
National Voters day 2019	25/01/2019	25/01/2019	50
State level w shop on Data Science	02/01/2018	02/01/2018	80
Republic Day	26/01/2019	26/01/2019	90
Cyber Crime Awareness	08/02/2019	08/02/2019	100
National safety Week	06/03/2019	06/03/2019	60
Women day	08/03/2019	08/03/2019	22
Independence Day	15/08/2018	15/08/2018	100
Engineers Day	15/09/2018	15/09/2018	100
Hindi Fortnight	03/09/2018	03/09/2018	60

[View File](#)

7.1.7 - Initiatives taken by the institution to make the campus eco-friendly (at least five)

The Institution has introduced various eco-friendly practices in academic as well as related activities to inculcate environmental friendly values in the system. The various Green practices carried out in DBRAIT include 1. Paper re-cycling Unit • This Project was initiated with the help of DST around 10 years ago which has been further improved by involving student as a part of their final year project. As a part of this project the students old answer scripts and record books are converted into file folders and reused in the institute. • Status- It is in working condition. 2. Effluent Treatment Plant • The waste water and the effluent generate in the campus from the residential quarters and different lab and workshop are treated and reused for horticulture workers. All the septic tanks in the campus are no longer used since the sewer lines are connected to ETP Plant. • The Project was a part of Tech Ed-III Project under World Bank in the year 2006. • Project Status -It is in working condition therefore the campus is free of Septic Tanks • Capacity -1 Lakh Liter 3.. Rain Water Harvesting: The Institute has constructed a Mini Bund as a part of student project and are able to store water which is helping to charge the ground water to considerable level. Three wells have been constructed which are connected to water filter and UV

treatment plant. This plant generates around 40 KL of water everyday which is used for consumption by the students and staff. This plant is functional since last 10 year. 4. Use of Renewable Energy: Solar Water heating system has been installed in both Boys' and Girls' hostel. Solar photo-voltaic panels are being installed in PDME hostel campus • 2.5 KV solar roof panels have been installed in Auditorium • Roof top solar photo voltaic system has been installed and the capacity is 330 kilowatt peak. After installation of solar roof top photo voltaic system in 2018-19 energy saving from diesel power generation is approximately 73. • All lights have been replaced by LED lights. 5. Green Building Project • New Academic building is constructed as Green Building and has been Gold Rated and accredited in association with Indian green Building Council (IGBC).

NRSE Division of Electricity department, AN Administration has provided renewable energy infrastructural support by installing solar roof panels • The existing academic buildings will also be converted into Green Building 6. Bio-Gas Plant A Bio-Gas plant of 1 ton capacity is almost in completion stage. The technology has been obtained from BARC and the construction work has been carried out by APWD. The project when implemented shall generate one LPG Cylinder alternate day apart from generating organic manure. Future Plans 1. To increase the rain water harvesting capacity to reduce the dependency on supplied water 2. To create on line Production by increasing the capacity of Paper recycling Unit 3. Connecting all the new building to ETP plant.

7.2 - Best Practices

7.2.1 - Describe at least two institutional best practices

- Smart India Hackathon 2018 An Annual event conducted by AICTE and MHRD. Smart India Hackathon is a nationwide initiative to provide students a platform to solve some of pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving. The last edition of the Hackathon saw over 5 million students from various engineering colleges compete for the top prize at 35 locations. • SOFTWARE DEVELOPED FOR DISEASES BURDEN STUDY OF TRIBALS in A N ISLANDS The Andaman Islands are an Indian archipelago in the Bay of Bengal. These roughly 300 islands are known for their palm-lined, white-sand beaches, mangroves and tropical rainforests. Coral reefs supporting marine life such as sharks and rays make for popular diving and snorkeling sites. Indigenous Andaman Islanders inhabit the more remote islands, many of which are off limits to visitors. The original population of the Andaman and Nicobar islands consist of aboriginal indigenous people, i.e. tribal people. They have been dwelling in the forests and jungles of the islands for centuries, lead a hunter-gatherer lifestyle and appear to have lived in substantial isolation for thousands of years. The so called "civilians" or city/town dwellers only came later, earliest a few hundred years ago. DHS conduct research on communicable and non-communicable diseases prevalent in Andaman and Nicobar Islands with special emphasis on the health problem of the indigenous tribes. 2. Objective of the Practice • Vac is useful for imparting practical skill to diploma mechanical students. It's objective is to motivate the

mechanical students to practice mechanical work as well as to eliminate fear of failure. • Industrial training is imparted to diploma students for motivating them to practice mechanical work as well as to eliminate fear of failure. • A Catering Services were performed by students during Independence Day Function held at Raj Niwas on 15.08.2018. This kind of training helps the students to gain confidence in life and leads them to stand on their feet. A similar Catering Services were given to all dignitaries during the visit of Hon'ble Vice President of India, Shri Venkaiah Naidu during his visit to AN Islands on 05.08.2018. Such kind of opportunities given in college level helps the students to gain confidence and courage to compete in all levels and stand upright in any situation and become self sufficient. 3. The Context 4. The Practice • Participation of 05 Nos. of faculties in national level workshop on 'Intellectual property right' (IPR). Participation of 13 Nos. of faculties and staff members in 3 day workshop on 'Raspberry Pi'. The main motto behind participation of this kind of national level workshop is to know how to preserve their own creativity in the field of Engineering. • All interested students of Trade Diploma in Front Office Operations / Food Production were given the assistance for their Job Training / Industrial Training in mainland / island hotels. • The objective of "Disease burden study of tribal's in AN Islands" software is to facilitates the DEPUTY DIRECTOR (TH), DHS with a web-based application that provides Insertions, Updation and Generation of MIS Reports about the various health profiles like height, weight, BMI, vaccines taken and diseases for which the tribals undergone treatment etc., 5. Evidence of Success • The six member team from DBRAIT has won the Smart India Hackathon 2018 held at Nodal Centre Sri Krishna College of Engineering, Coimbatore. The team named as "Rescue Tech" comprising of Pawan S Nair, Amit Roy, K Vinay Raj, C Raj Kumar, Dinesh Lal and Arvind was accompanied by Shri R Hemanth Rao, Technical staff of Computer Science Department. Altogether 43 teams representing reputed institutes have participated in the Hackathon. • Organized a mega Food Festival "Island Food Fiesta - 2018" from 30.03.2018 to 01.04.2018 at ITF Grounds, Port Blair. All interested final year students (16 out of 27) of DHMCT programme were given placements in leading hotels of mainland and islands. All interested students of Trade Diploma in Front Office Operations / Food Production were given the assistance for their Job Training / Industrial Training in mainland / island hotels. Conducted 15 days Food Haat for Food Production Students during April 2018 with an aim to develop practical entrepreneurship skills amongst them. One student from DHMCT 3rd year, One from DHMCT 2nd year and One from Trade Diploma in Food Production were selected for Skills India Competition organized by Ministry of Skills, Government of India first at Port Blair for State level competition, then at Bengaluru for Regional Level Competition followed by a National Level Competition at New Delhi. • The existing process of "Diseases Burden Study of Tribals in AN Islands" is done manually, i.e., the diseases information is maintained in the record. If a Researcher wants to search for the specific data, then he/she has to search the records from the beginning to end manually. The proposed system

would reduce the paper work by providing ease of access to the information through the web pages. The project has been developed by the students of Computer Engineering department, DBRAIT.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://dbrait.andaman.gov.in/>

7.3 - Institutional Distinctiveness

7.3.1 - Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Setting up of Community Radio Station (CRS) at BRAIT • Community radio is a non-profit radio service offering a third model of radio broadcasting in addition to commercial and public broadcasting. Community Radio stations serve geographic communities and communities of interest. • It broadcast content that is popular and relevant to a local, specific audience but is often overlooked by commercial or mass-media broadcasters. • In December 2002, the Government of India approved a policy for the grant of licenses for setting up of Community Radio Stations to well established educational institutions including IITs/IIMs. Key Objectives of Proposed BRAIT CRS: The key objectives of the project are as follows: • To broadcast talks on technical curriculum based topics by the students. • To give a platform to the students for enhancing creative and communication skills. • Empower communities through access to information on governmental, social, agricultural, economic and technical fields. • To make CR a part of early warning strategy of the National Disaster Management Authority and incorporate CR as communication media into state and district level information network during disaster. • To hand hold establishing such CRS in N M Andaman where otherwise connectivity is an area of concern, once BRAIT implements CRS successfully Achievement: Received the Standing Advisory Committee on Radio Frequency Allocation (SACFA) site clearance from Ministry of Communication, Wireless Planning Coordination Wing, DoT, Govt. of India vide letter no. K-19012/03/2018-CFA dated 28/08/2018 for setting up Community Radio Station at Dr. B. R. Ambedkar Institute of Technology (DBRAIT), Pahargaon, Port Blair-744103, Andaman Nicobar Islands.

Provide the weblink of the institution

<https://dbrait.andaman.gov.in/>

8.Future Plans of Actions for Next Academic Year

Student Centric: To improve the placement To facilitate thinking process through TFJ (TOD FOD JOD)/VAC (Value Added Course) To encourage students to take up real life projects To orient the

students for undertaking larger social commitments. Infrastructure: New Hostel Block for Girls Boys, New Library Block and Hotel Management Block. To enhance rain water harvesting system for making 70-80 of the requirement Faculty development: To fill all the vacant post of faculty Qualification Up-gradation for faculty member Faculty Exposure.