



Yearly Status Report - 2017-2018

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 Pahar Gaon 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	naacdbrait@gmail.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://dbrait.andaman.gov.in/announcement/16107.pdf
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/1694.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
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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
State Level Workshop on	03-Dec-2018	2

Data Science-ESCI Hyderabad	06	
IOT Raspberry Pi	29-Sep-2018 03	7
Intellectual property Right (IPR MeITY)	26-Sep-2018 02	4
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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 Institute of Technology	TEQIP	World Bank	2017 1096	100000000
Dr. B. R. Ambedkar Institute of Technology	RUSA	MHRD	2016 1461	20000000
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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 :

3

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 Organized 03 weeks induction programme Conducted technical symposium Conducted Entrepreneurs Development Programme Training organized at IIT Madras.

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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	Achievements/Outcomes
Special achievement	Students participated in the smart India Hackathon 2018 and backed 1st Prize of Rs.01 Lakh in the grand finale held in March 2018
Industry Institute Interaction	The activities include: Internships; Industry expert lectures; Placement Activities & Hospitality; Industry Visits, etc.) • 17 B.Tech.ECE students were deputed to IIT Roorkee for short term course. • B.Tech Students were sent for training at IIT Madras • Entrepreneurs Development programme for all final year students organized by ANCON.
Reforms governance	In-house training on Integrated Management System conducted by BVC, Chennai Election for students council was carried out through biometric EVM Machine which was developed as a final year student project.
Research and development	(The activities undertaken are conducting of Seminars/ Workshops for UG/PG/Ph.D students within or outside institute; Spares and consumables for UG/ PG student research project; Seed Money for R & D for faculty research projects; Publication in peer reviewed journals. Book/ Paper Publication were also done • Paper published on performance Evaluation of 5MW Grid Connected Solar Photovoltaic Power Plant Established in A&N Islands. • 01 Assistant Professor, ECE, appointed on contract basis through NPIU.
Faculty staff development and motivation.	Deputing Faculty on Short Term Training Programme at IITs/NITs/Other reputed Institutes. Pedagogical training for faculty • Conducted in house training on outcome based, education system by NPIU Delhi. All regular faculties attended the training. • Two regular Faculties from the Electrical Engineering Department attended in -house training on Integrated Management System conducted by BVC, Chennai.
Improvement of student learning	Improvement of student learning was under taken and the activities include IIT/ NIT training to students at IIT/NIT or in parent institute;

Induction Training; GATE Preparation Classes; Career Counselling, Student Counselling; Psychometric/ Diagnostic Test; Remedial Classes; Peer Learning; Student Visits to IIT & R&D organizations; GATE Registration Fee (only for final year students); Institutional memberships for professional societies eg, IEEE, ACM, IETE, CSI, Automotive Engineering, ISTE, IE(I), ASCE, ASME, for student chapters; Sponsorship of 20% on academic activities in Tech Fest; Registration Fees and TA/DA for students participating in Tech Fest of IIT/NIT; GATE Orientation Programme, etc. 3 days Induction Training of faculty mentors by Resource Faculty attended such training. Including this a special workshop on ROBOTIC for students at BRAIT was undertaken for the benefit of students. A one week induction Programme for 1st year 2students was done. Study Tour to IITs/NIT/reputed Institute and Industries for selected students. • Organized 03 weeks induction programme for Freshers • conducted technical symposium by the electronics department called EURONICS -2K18, wherein 120 students participated. • Organized training at IIT Madras. • Entrepreneurs Development Programme for all final year students organized by ANCON

Academic related pedagogical initiative

All regular faculties attended Inhouse training on Outcome based Education System conducted by National Project Implementation Unit • 02 Faculties attended 02 days National Level workshop on Self Assessment Report filling for NBA jointly by BRAIT, ESCI Hyderabad and IEI Improvement of student learning

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<p>14. Whether AQAR was placed before statutory body ?</p>	<p>No</p>
<p>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</p>	<p>Yes</p>
<p>Date of Visit</p>	<p>06-Apr-2018</p>

16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2017
Date of Submission	03-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)	<p>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, termwise, 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 e-circular module. Our 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 e-forwarded to section heads for approval. Secondly all the updations in ISO documents is uploaded electronically for use of all department. Under Student zone, major components are Student information system (SIS), e-services, e-feedback etc. All the attendance and marks related data are entered through SIS by all concerned lecturers and thus complete MIS of students is maintained upto date. e-feedback module has contributed much in reducing usage of paper as well as helped in three levels of corrective action on serious issues raised by students. e-services have been included this year to help the students</p>

to apply for various certificates and clearance of nodues. It also monitors timely issue of certificates to students.

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 rigorsly 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 employ ability/entreprene urship	Skill Development
NIL	NIL	Nil	Nil	NIL	NIL

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	NIL	Nil

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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	07/07/2017
BTech	Computer science Engineering	07/07/2017
BTech	Civil Engineering	07/07/2017

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, KST, TFJ	30/11/2017	371
51 NPTEL courses	12/07/2017	170

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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	26
BTech	Computer Science Engineering	29
BTech	Civil Engineering	31

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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	Civil Engineering	32	376	30
BTech	Computer Science & Engineering	32	311	29
BTech	Electronics & Communication Engineering	32	348	31

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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
2017	371	Nil	23	Nil	Nil

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
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23	23	50	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 enhance teacher –student relationship, enhance student's academic performance and attendance, to minimize student's dropout ratio, 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
371	15	1 : 25

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	16	8	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
Nil	NIL	Nil	Nil
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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	ECE	2 to 8 EVEN Semester/2017-2018	12/01/2018	06/06/2018
BTech	ECE	1 to 7 ODD Semester/2017-2018	01/08/2017	22/12/2017
BTech	CE	2 to 8 EVEN Semester/2017-2018	12/01/2018	06/06/2018

		18		
BTech	CE	1 to 7 ODD Semester/2017-2018	01/08/2017	22/12/2017
BTech	CSE	2 to 8 EVEN Semester/2017-2018	12/01/2018	06/06/2018
BTech	CSE	1 to 7 ODD Semester/2017-2018	01/08/2017	22/12/2017
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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 Booms 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 internal 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)

Academic calendar in prepared in the beginning of the session in line with university calendar. Academic calendar includes all important dates like commencement of session, date of subject registration in the intra portal - student management system, date of university registration details submission, unit test dates(U1, U2 U3), progressive skill test (P1 P2), University theory and practical exam dates. slots for remedial class after unit test is also provided. internal assessment submission date in intra portal as well as online submission to university. The dates mentioned in the calendar is adhered strictly.

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/announcement/1683.pdf>

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	26	14	53.84
CE	BTech	Civil Engineering	31	26	83.87

CSE	BTech	Computer Science Engineering	29	14	48.27
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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/announcement/16105.pdf>

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	180	INTEL	2.25	2.25
Major Projects	90	INTEL	2.5	2.25
Minor Projects	365	DBT	15	15
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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
Application of Outcome based education for UG-NPIU	DR. B.R. Ambedkar Institute Of Technology	03/03/2018
IPR- MeITY	DR. B.R. Ambedkar Institute Of Technology	26/10/2018
IOT Raspberry Pi	DR. B.R. Ambedkar Institute Of Technology	01/10/2018
State Level Workshop on Data Science - ESCI Hyderabad	DR. B.R. Ambedkar Institute Of Technology	03/12/2018

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	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
1	Andaman Incubation centre	Andaman and Nicobar Adminstratio	Nil	Nil	Nil

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
	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
NIL	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	Electrical	2	Nil
International	Humanities	1	Nil
View File			

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
Humanities	1
Civil	1
Electronics and Communication	2
View File	

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
Dynamic of Shallow water waves with various Business Equations"	Dr. Hitender Kumar	Acta Physica Polonica A Vol.131 (2017), pp :275-282, Polish Academy of sciences, 2017,	2017	Nil	DBRAIT	Nil
Efficacious L.P.G. Leakage Detector and Auto Shut-Off System Using	Mr. Abhishek Gupta	International Journal of Innovative Research in Science, E ngineering	2017	Nil	Dr. B. R. Ambedkar Institute of Technology	Nil

Arduino Uno AT mega328		and Technology				
Economical and Optimal Gas Leakage Detection and Alert System	Mr. Abhishek Gupta	International Journal of Scientific and Research Publications	2017	Nil	Dr. B. R. Ambedkar Institute of Technology	Nil
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
Nil	Nil	Nil	Nil	Nil	Nil	Nil
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	Nil	1	Nil	5
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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 activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Ekta Diwas	DBRAIT	5	200
Vigilance Awareness Week	Police Department	2	75
NSS Camp	NSS committee	5	82
Swatchaa abhiyaan	DBRAIT	5	32
Competition on Jago Grahak	Ministry of Consumer Affairs	2	10
ORIENTATION PROGRAM FOR NSS ACTIVITIES	DBRAIT	5	180
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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
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Indian Green Building Council	Gold Award	IGBC, Council	Nil
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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 activities	Number of students participated in such activities
50th Engineers day by IEI, ANSC	Institute of Engineers	Speech, Dance, Drama	10	100
Competition on Jago Grahak	Ministry of Consumer Affairs	Elocution	2	10
Sensitization on Disability program	DBRAIT	Awareness programme	5	45
Swachha abhiyaan	DBRAIT	Cleaning	10	42
Republic Day	DBRAIT	speech, Dance, Song and presentation	15	300
View File				

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	NIL	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
Internship	Internship	ISRO	07/06/2018	28/06/2018	8
Internship	Internship	IIT MADRAS	01/06/2018	02/07/2018	7
Industrial exposure	Industrial training	LT ROURKELA	15/06/2018	06/08/2018	3
Introduction to Spintronics	Training	IIT ROORKEE	18/12/2017	22/12/2017	16
Working of Electronic exchange	Field trip for III year ECE	BSNL	22/02/2018	22/02/2018	21

irrigation	Field trip for final year Civil	CIARI	16/02/2018	16/03/2018	30
working of telephone exchange	Field trip for III year ECE	BSNL, Port Blair	22/02/2018	22/02/2018	21
Transmission	Field trip for III year ECE	AIR , Port Blair	22/09/2017	22/09/2017	33
Dhanikhari Dam Visit	Field trip for III year Civil	APWD,	09/09/2017	09/09/2017	35
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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
NIL	Nil	NIL	Nil
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
59000000	58997000

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Laboratories	Existing
Seminar Halls	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
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
Library Management System	Partially	1.04	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Reference Books	48945	757899	684	344000	49629	1101899

e- Journals	Nil	Nil	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
Nil	Nil	Nil	Nil
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	100	4	1	1	0	2	3	4	0
Added	20	5	0	0	0	0	0	2	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	Nil

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
14000000	15979402	45000000	45000000

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 maintenances 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/announcement/16101.pdf>

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	NIL	0	0
Financial Support from Other Sources			
a) National	Additional grant of scholarship by labour welfare Department	34	340000
b) International	Nil	Nil	0

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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
Yoga and Meditation for Hostel Girls	27/12/2018	163	Ms.Neelam, Yoga Instructor, Contact No. 9434291255
Yoga and Meditation	29/11/2017	8	NIL

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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 passed in the comp. exam	Number of students placed
2017	Guest lectures conducted under ISO -Industry Interaction program, Emerging Technological	202	164	Nil	10

updates, Environmental friendly practices

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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
101	101	20

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	CHTAHAM SAW MILL, PBM C, GLOBE CONSULTANCY, POLICE DEPARTMENT, ST PORT BLAIR, TCS COMPANY, HYDERABAD, NSRY, EDUCATION DEPARTMENT, AIR TEL, MATLAB SOFTWARE DEVELOPMENT COMPANY, CHENNAI	54	29

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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
2017	12	B Tech	Civil Engineering	Institution in Mainland, Teacher Training Institute, Institute in Mainland, Coaching	Teacher Training, M.Tech, coaching for GATE
2018	11	B Tech	Electronics and Communic	Institution in Mainland,	Institution in Mainland

			ation Engineering	Coaching	
2018	4	B Tech	Computer Science Engineering	Institution in Mainland, Coaching	Institution in Mainland
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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
GMAT	Nil
GATE	Nil
CAT	Nil
TOFEL	Nil
GRE	Nil
Civil Services	Nil
Any Other	Nil
No file uploaded.	

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

Activity	Level	Number of Participants
Elocution - Is Global Climate change man made Rangoli- Non conventional Energy Sources	Degree Level	4
Essay Competition- Nuclear Energy has destroyed our society	Degree Level	6
Short Movie presentation competition on topic Make in India	Degree Level	5
Football	Degree Level	11
Cricket	Degree Level	11
Badminton	Degree Level	5
Volley Ball	Degree Level	11
Chess	Degree Level	4
Table Tennis	Degree Level	5
Carrom	Degree Level	8
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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
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Nil	NIL	Nil	Nil	Nil	Nil	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 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. 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 representatives after approval from Dean (Students Affairs) and Principal. Dean (SA) and other committee members also have regular meetings with individual members of the Student Council. In such meetings the Council shares views of students on various academic and general facilities. In our Institute regular meetings are organized with top management and student council. Regular meetings with Council help to build better relationship between students and management. The two members of the Council are always invited in all management

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

- 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
- 7 Socio- Culture Activities
- 8 Organizing and supporting Blood Donation Camp on special occasions
- 9 Organizing and supporting Tree Plantation in coordination with Forest department
- 10 Contributing to LG Relief fund along with institute under SoCh activity
- 11 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:

43

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

10-08-2018 Meeting for collecting relief materials to be sent for Kerala Flood relief through Defence support
 16-08-2018 Meeting for collecting relief materials to be sent for Kerala Flood relief through Defence support
 19-08-2018 Meeting for collecting relief materials to be sent for Kerala Flood relief through Defence support

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 ISO 9001:2008, 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 ISO 9001-2008 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
Industry Interaction / Collaboration	<ol style="list-style-type: none"> 1. 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 carrier 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

<p>Human Resource Management</p>	<ol style="list-style-type: none"> 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, particularity for disadvantageous sections of the society 7. Qualification up gradation of faculty and staff 8. Faculty training on NASSCOM uture 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.)
<p>Research and Development</p>	<ol style="list-style-type: none"> 1. Attending Conferences/ Seminars/ Workshops for UG/PG/Ph.D students within or outside institute 2. Spares and consumables for UG/ PG student research projectp 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 reserch scheme
<p>Teaching and Learning</p>	<ol style="list-style-type: none"> 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 7. Honorarium for Remedial Classes for failure / academically low performing students 8. Peer Learning- incentivizing students 9. Student Visits to IIT RD organizations 10. Institutional memberships for professional societies 11. Sponsorship of 20 on academic activities in Tech Fest 12. Registration Fees and TA/DA for students participating in Tech Fest of IIT/NIT 13. 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

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 calender, NPTEL Course material, Students information system is availble.
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
2017	Abhishek Gupta, Chandra Sekhar Venukonda	NBA workshop on SAR filling	ESCI at BRAIT	7610
2017	Tejinder Singh	NBA workshop on SAR filling	ESCI at BRAIT	3805
2017	Rajashri Kulkarni	OBE Worksop	CII, IGBC Hyderabad at BRAIT	20500
2017	T. Diana Joslin	OBE Workshop	CII, IGBC Hyderabad at BRAIT	20500
2017	Dweepson	OBE Workshop	NPIU at BRAIT	2407
2017	Praveen S.	OBE Workshop	NPIU at DBRAIT	2407
2017	Thiruneelakan dan	OBE Workshop	NPIU at DBRAIT	2407
2017	H. Shree Kumar	OBE Workshop	NPIU at BRAIT	2407
2017	T. Diana Joslin	Green building workshop	CII, IGBC Hyderabad at BRAIT	20500
2017	Rajashri	Green	CII, IGBC	20500

Kulkarni

building
workshopHyderabad at
BRAIT[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)
2017	Green building workshop	Nil	21/01/2018	23/01/2018	2	Nil
2018	Setting up of incubation centre	Nil	22/03/2018	23/03/2018	1	Nil
2018	OBE	Nil	08/02/2018	15/12/2018	1	Nil
2018	Training on Public Procurement	Nil	23/04/2018	28/04/2018	1	Nil
2018	National workshop on Innovative solar energy application	Nil	06/04/2018	07/04/2018	1	Nil
2018	Nil	Self-awareness in higher education	11/11/2018	11/11/2018	1	Nil
2018	General Management Program for Scientist and Technologists	Nil	21/03/2018	Nil	1	Nil

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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
First aid fire fighting	2	20/11/2017	24/11/2017	04

and basic disaster management				
Glass fibre reinforced gypsum panel construction	1	18/06/2018	20/06/2018	03
National workshop on Innovative solar energy application	1	06/04/2018	07/04/2018	02
Summer training program on active learning for senior faculty	6	21/05/2018	25/05/2018	05
Setting up of incubation centre	2	22/01/2018	23/01/2018	02
Green building workshop	2	22/01/2018	23/01/2018	02
Outcome Based Education Workshop	6	03/03/2018	04/03/2018	02
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
16	23	12	15

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
College staff welfare fund ,Welfare fund 2.Cooperative welfare society PSCCS 3.Leave Tour Concession 4.Annual Free Sea Passage 5.Medical reimbursement 6.Departmental loans 7.Staff quarter 8.College bus 9.Casual Leave 10.Half pay leave 11. Child care leave for ladies 12. Summer and Winter vacation 13.Study leave 14.Insurance, Gratuity pension	College staff welfare fund for various emergency needs.Welfare fund 2.Cooperative welfare society PSCCS 3.Leave Tour Concession 4.Annual Free Sea Passage 5.Medical reimbursement 6.Departmental loans 7.Staff quarter 8.College bus 9.Casual Leave 10.Half pay leave 11. Child care leave for ladies 12. Summer and Winter vacation 13.Study leave 14.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 are 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
NIL	Nil	Nil
No file uploaded.		

6.4.3 – Total corpus fund generated

1736901

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	ISO	Yes	Internal Auditor of DBRAIT
Administrative	Yes	ISO	Yes	Internal Auditor of DBRAIT

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.

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

OBE Training to Support Staff. Training of Lab equipments knowledge upgradation by sending the support staff for higher education.

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

1. Ensuring effective and transparent Academic System through various e-initiatives - A comprehensive approach Being the only technical institute of these Islands Dr. B. R Institute of Technology had the challenge to cater to the technical need of the local community with latest technological applications. The geographical isolation from Mainland India, lack of industries and closed mindset and low intake quality of students, poor connectivity, lack of role model institutes etc. were the greatest challenge to

keep pace with latest technical happenings in the Industries. Thus it envisaged that the faculty, students and the system should integrate a process which will be self driven to make the passing out students skilled and equipped with desired technical knowledge to compete with their counterparts and to fulfil the expectations of their probable employers/ Industries. The institute decided to give the students mandatory real-time projects as part of their final year project requirement, which are implemented across various departments of A N Administration, to enhance their hands on skill and that they can be prepared for working in the real-time industry environment. This has really gone a long way and has drilled them to mock the true working scenario. While integrating the teaching learning process with ISO 9000 and ISO 14000 standards, care was taken to have a holistic and comprehensive approach to mould the students to become responsible citizens. This called for implementation of various system based innovative practices in curricular as well as in co-curricular activities. To have a system based, transparent approach the institute planned to introduce e-initiatives almost 15 years back, with gradual process reengineering and automation in a phased manner which has over the period of last decade has emerged into a robust and mandatory process backbone. The key focus of the institute have always been its students, so worth mentioning here all the software applications are indigenously developed as part of students' project under the guidance of faculties. 2. In order to strengthen the quality initiatives of the institute and to ensure equity among the students and faculty of the institute, it was decided to go for Implementing TEQIP -III project at BRAIT The Project, Third phase of Technical Education Quality Improvement Programme (referred to as TEQIP-III) is fully integrated with the Twelveth Five-year Plan objectives for Technical Education as a key component for improving the quality of Engineering Education in existing institutions with a special consideration for Low Income States and Special Category States (SCS) and support to strengthen few affiliated technical universities to improve their policy, academic and management practices. The project was implemented at BRAIT in the year 2017-18. The Project focuses on the following objectives: • Improving quality and equity in engineering institutions • System-level initiatives

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
2017	Outcome Based Education Workshop	01/03/2018	03/03/2017	04/03/2017	6
2017	active learning training	06/04/2018	21/05/2018	25/05/2018	6
2017	NBA Workshop on SAR filling through active instr	15/11/2018	29/11/2018	30/11/2018	1

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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
SoCH activities and presentations	15/07/2017	15/07/2017	20	30
Election Of Students Secretaries	21/07/2017	21/07/2017	120	130
" PRAVESH-2017" Rope In Programme For Fresher	11/08/2017	11/08/2017	30	40
Independence Day Celebration	15/08/2017	15/08/2017	100	120
Essay Competition - Nuclear Energy has destroyed our society	19/08/2017	19/08/2017	2	5
33rd Foundation day Celebration/Alumni day/Blood Donation/Seminar	06/09/2017	06/09/2017	20	22
Engineers Day Celebration	15/09/2017	15/09/2017	30	25
Elocution - Is Global Climate change man made Rangoli- Non conventional Energy Sources	16/09/2017	16/09/2017	5	3

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 - 7.89 Percentage Lighting through other sources - 92.1

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
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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
2017	Nil	1	15/07/2017	2	SoCH activities	Beach cleaning, paper bags preparation and distribution	10
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 teachers	06/04/2017	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 for students	06/04/2017	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.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
50th Engineers day by IET, ANSC	28/08/2017	28/08/2017	100
ORIENTATION PROGRAM FOR NSS ACTIVITIES	25/08/2017	25/08/2017	180

Competition on Jago Grahak by Ministry of Consumer Affairs	18/08/2017	18/08/2017	10
Sensitization on Disability program	23/08/2017	23/08/2017	45
Hindi Fortnight	15/09/2017	15/09/2017	32
Swatchaa abhiyaan	20/09/2017	20/09/2017	42
National Voters Day	25/01/2018	25/01/2018	150
Republic Day	26/01/2018	26/01/2018	300
Shikhar Techno Sports Fest 2018	19/02/2018	19/02/2018	300
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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 recycling 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.
5. 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.
6. 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
7. 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.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

• Improve student learning: The activities include IIT/NIT or in parent institute Induction Training , GATE preparation classes, career counselling, student counselling, Psychometric/Diagnostic Test, Remedial classes, Peer learning, student visits to IIT RD organizations, GATE registration fee(only for final year students), Institutional memberships for professional societies eg. IEEE, ACM, IETE, CSI, Automotive Engineering, ISTE, IE(I), ASCE, ASME for student chapters • Graduates employability : The activities include start up activity soft skill training (Industry Readiness), finishing schools etc.) • Community Related Activity:- The activity includes awareness on social issues through cycle/bike rallies. Collecting clean good quality unused dresses and distributing the same in an organized manner. Create awareness among the homemakers within the campus to make them self reliant through skill development. Inputs from student pertaining to social challenges experienced in their locality. • Environmental related Activities The activity includes Cleaning of all water bodies, wells generating quality reports. Identifying beaches carrying out organized cleaning creating awareness among people. Making bags out of used clothes write slogan related to environment. To study prepare garbage disposal plan. To educate people about how to handle e-waste. • Research and Development The activities are conducting of seminars/workshops for UG/PG/Ph.D students within or outside institute spares and consumables for UG/PG student research project Seed money for RD for faculty research projectspublication in peer reviewed journals. Book/paper publication were also done. 2. Objective of the Practice • As a part of improve student learning 03 days Induction Training is given to Resource faculty. One week Induction programme for 1st year students are also being conducted. Conduct of special workshop on ROBOTIC for students at DBRAIT. Study Tour to IITs/NIT/reputed Institute and Industries for selected students. • Such kind of workshops makes new entrepreneurs and is good for the overall development of the country. • Community related activity teaches the children about their social responsibility. It gives some awareness about the social challenges faced by people around them. It makes them capable to fight against those challenges and helps them to become a more responsible citizen. Students visits the homes of disadvantaged group identify their requirements and provide short term remedial classes/counseling. Students are also asked to visit hospital identify those patients who do not have anyone to support see how you can support them at least for few weeks. • Paper published on performance Evaluation of 5MW Grid Connected Solar Photovoltaic Power Plant Established in AN Islands. • 01 Assistant Professor, ECE, appointed on contract basis through NPIU. 3. The Practice • Small workshops on Basic structural analysis related to bridge engineering, conceptual design with examples, bridge loading and simple analysis techniques and design of various types of bridges and other topics generate awareness among children and they come up with new ideas which are good for their overall development and for their better future. • The students will be able to get an opportunity to listen Expert Lecture on Leadership, skills, Managerial skills, Entrepreneurship skills, Communication skills etc. 4. Evidence of Success • As a part of in-house workshop and training many faculty /staff were deputed to mainland reputed institute for training. As such, 06 Research Proposal/Consultancy proposal have been submitted to various organization including DST and AN Administration. One consultancy work has been awarded while few research proposals are in the award stage. • As a part of community related activity there is a system of contribution of Rs.1,00,000/- in LG's Relief Fund every year by students staff.

institution website, provide the link

<https://dbrait.andaman.gov.in/announcement/1684.pdf>

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

Implementing TEQIP -III project at BRAIT Distinctive Area: Improving quality and equity in engineering institutions In order to strengthen the quality initiatives of the institute and to ensure equity among the students and faculty of the institute, it was decided to go for Implementing TEQIP -III project at BRAIT The Project, Third phase of Technical Education Quality Improvement Programme (referred to as TEQIP-III) is fully integrated with the Twelveth Five-year Plan objectives for Technical Education as a key component for improving the quality of Engineering Education in existing institutions with a special consideration for Low Income States and Special Category States (SCS) and support to strengthen few affiliated technical universities to improve their policy, academic and management practices. The project was implemented at BRAIT in the year 2017-18. The Project focuses on the following objectives: • Improving quality and equity in engineering institutions • System-level initiatives to strengthen sector governance and performance, to improve the policy, academic and management practices towards affiliated institutions, and • Twinning Arrangements with NIT Trichy as mentor institute to Build Capacity and Improve Performance of the institution • to implement academic and non-academic reforms within our self-conceived development programmes that focus on quality and relevance, excellence, resource mobilization, greater institutional autonomy with accountability, research and equity. • Professional development programmes for engineering- Administrators, Faculties. The Project will also support development of more efficient governance activities. Achievement: Successfully rolled out the implementation of TEQIP III Project

Provide the weblink of the institution

<https://dbrait.andaman.gov.in/announcement/1691.pdf>

8.Future Plans of Actions for Next Academic Year

FUTURE ACHIEVEMENTS PLANS 2017-18 a. Academic: • To start new maritime courses and to incorporate structured training and assessment schedule for all diploma students. • Creation of post for faculty and support staff as per norms. b. Research: • To promote at least one research project funded by external agencies infrastructure. • To coordinate the completion of new academic block. • To initiate action for new library block. c. Quality-Up -Gradation: • To have the NBA Accreditation for all Degree programme. • To obtain rectification as per revise IMS procedure. • To obtain NAAC accreditation. d. Societal: • To promote SoCH activity with more vigour • To establish incubation centre. e. Environmental • Top establish Bio-Gas plant with one tonne capacity. • To increase the capacity of rain water filter plant. • To implement LED lighting in all prominent places. f. Students Grievance and Governance • To review and monitor prompt disposal of student's grievances. • To have mobile app for all centric feedback system. g. Training and Placement: • To organize training for faculty and staff to improve their teaching and teaching skills. • To arrange training for students to improve their soft skills and technical aptitude for better employability. • Signing of MoUs with reputed Industries and national level Institutions.