



## Yearly Status Report - 2017-2018

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		<b>BUILDERS ENGINEERING COLLEGE</b>
Name of the head of the Institution		<b>Dr. P. Govindasamy</b>
Designation		<b>Principal</b>
Does the Institution function from own campus		<b>Yes</b>
Phone no/Alternate Phone no.		<b>04257241935</b>
Mobile no.		<b>9487811008</b>
Registered Email		<b>principal@builderscollege.edu.in</b>
Alternate Email		<b>info@builderscollege.edu.in</b>
Address		<b>Erode Road, Nathakadaiyur</b>
City/Town		<b>Kangayam, Tirupur district</b>
State/UT		<b>Tamil Nadu</b>
Pincode		<b>638108</b>
<b>2. Institutional Status</b>		

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr. S. Gopalakrishnan
Phone no/Alternate Phone no.	04257241935
Mobile no.	9443042021
Registered Email	iqac@builderscollege.edu.in
Alternate Email	naac@builderscollege.edu.in

### 3. Website Address

Web-link of the AQAR: (Previous Academic Year)	<a href="http://builderscollege.edu.in/Downloads/naac/AQAR_2016-17.pdf">http://builderscollege.edu.in/Downloads/naac/AQAR_2016-17.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://builderscollege.edu.in/Downloads/naac/Academic_Calendar_2017-2018.pdf">http://builderscollege.edu.in/Downloads/naac/Academic_Calendar_2017-2018.pdf</a>

### 5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	B++	2.78	2017	28-Mar-2017	27-Mar-2022

<b>6. Date of Establishment of IQAC</b>	12-Apr-2017
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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
<b>No Data Entered/Not Applicable!!!</b>		
<a href="#">View File</a>		

**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
Nil	Nil	Nil	2018 0	0
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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 :**

4

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)**

- Improved publications of the faculty members in the national and international journals
- Encouraging faculty members and students to participate in research and consultancy work.
- Conducting national level workshops, seminars, and conferences by academic and industrial experts.
- Motivating students to improve their employability skills thereby improve the placement record.
- The improved overall pass percentage of the institution

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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
ICT Tool usage	Encourage faculty members to use the various ICT tools as much as possible in the teaching learning process.
Academic audit	Academic audit auditing was used to improve the teaching learning process

ISO Auditing	ISO auditing was conducted by both internal and external members in order to improve the quality system of the institution
Encouraging faculty members in research and consultancy work	<ul style="list-style-type: none"> <li>• 16 research papers was published in various international and national journal by faculty members</li> <li>• Encourage faculty members to register PhD programme</li> <li>• Civil department was generated Rs. 9,56,385 through consultancy work.</li> </ul>
Conducting conference on present research topics	One national conference was organised
Coaching classes for low performers	Low performers students were benefited
No Files Uploaded !!!	

<b>14. Whether AQAR was placed before statutory body ?</b>	No
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	No
<b>16. Whether institutional data submitted to AISHE:</b>	Yes
Year of Submission	2018
Date of Submission	03-Feb-2018
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>In today's world, administration management of organizations, particularly, educational institutions, has become a tedious and complex task. It requires careful planning, systematic approach and accurate control of administrative processes to attract the best students, produces the best results and projects the best image. Coupled with tight competition from the industry, the institutions are increasingly seeking the help of information technology to improvise their facilities and maintain a competitive edge to their educational business. The Academic procedures have been well laid out and being followed uniformly across the institution. All the procedures involved in the Teaching</p>

Learning process are transparent and all the stakeholders (Management, Faculty, Staff, Students, Parents, etc.) are aware of them. The Teaching Learning process is being monitored and reported through a College Management system (CMS). This CMS is an extremely efficient, systematic and sophisticated user friendly automated campus system. The CMS package of automation and efficient administration can get extraordinary outcomes with an integrated solution for the entire academic and administrative requirement with the help of the following indices:

- Curriculum syllabus
- Delivery mechanisms and class timetables
- Evaluation methods mark obtained therein
- Analysis of Tests [periodic and End Semester Exams]
- Intimation of result to students/parents
- Project work
- Laboratory Timetable
- Equipment Maintenance
- Student feedback on courses and course instructors
- Events management
- Seminar hall bookings
- Students attendance search
- Student day attendance
- Student leave apply
- Lesson plan
- Elective paper selection

CMS gives all information of present and relieved faculty members, supporting staff members and non teaching staffs. Similarly, it gives complete information of present students and alumni students. It is also possible to conduct the performance appraisal for both teaching and nonteaching staff members through various evaluation processes like communication test, evaluation from external resource person and evaluation by the respective HoDs. The faculty members, nonteaching staff members and supporting staff members can apply for leave, permission, on duty, special permission, and compensation leave through the CMS from their home itself. The CMS is an integrated web application that handles various academics Non academic activities of an institution. CMS Education Solution offers an integrated suite of modules that provides a single view of business process information to guide decisionmaking, with features that enhance operational efficiency. CMS module allows us to adapt to the customize usage of the software,

thereby reducing our capital expenditure. In addition, it predicts cost which helps in financial planning. These unique approaches bring in cost efficiency. Finally, our institute has attained the following benefits through the implementation of the college management system in our institution. • Automatic upgrade • A built as you grow approach • Relevance • Ease of deployment • Data security • Cost operational efficiency • Robust maintenance • Integrated solutions • Increase agility • Personalized solution

## 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

Builders Engineering College is affiliated to Anna University, Chennai, Tamilnadu and follows the curriculum and syllabus framed for affiliated colleges. In order to ensure effective curriculum delivery, BEC adopts its unique innovative methods and systematic strategies. The three phases of our systematic strategy comprise of Planning, Development & Implementation and Evaluation. Systematic Strategy for effective curriculum delivery During the Planning phase, all departments submit the faculty requirement request, if any, to Internal Quality Assurance Cell (IQAC). IQAC collects the request and also verifies the infrastructure available for the smooth functioning of the forthcoming semester. Based on University academic schedule, the College academic calendar of events comprising the reopening date, Internal Assessments date and the syllabus coverage of Internal Assessment and completion date for each unit is framed before the commencement of the semester. During the Development phase, elective subjects are finalized and subject willingness of the faculty members is collected. Based on the competence level of the faculty, subject allocation is done. The curriculum delivery includes traditional teaching, collaborative learning, competition-based learning, and supportive learning methods. 1. Traditional teaching methods: It includes preparation of detailed lesson plans, a question bank, lab manuals, lecture notes, tutorial and assignments and content beyond syllabus based on the feedback from industry, alumni and previous year academic performance of the students 2. Collaborative Learning: Our Institution arranges industrial visits and Guest Lectures every semester per class to bridge the gap between industry expectation and Institution. Internship and industrial projects are arranged for the students to avail of practical exposure. 3. Competition Based Learning: Students are motivated to participate in national and international competitions conducted in various institutions. 4. Supportive Learning: Students are categorized as slow and advanced learners and prepare them to face university exams successfully by practicing different types of questions such as expected university questions, theory-based questions, two mark questions, and twisted questions, problematic questions, case studies respectively. During the Implementation and Evaluation phase, the various tools such as Subject Teacher Meeting, Class Teacher Meeting, Common Subject Meeting, Parents Teacher Meeting, Class Committee Meeting, student's feedback, and Internal Assessments

play a major role in effective curriculum delivery and evaluation. The objectives of these meetings are given as additional information. Thus our institution has achieved its excellence in imparting effective curriculum delivery through its unique innovative and systematic strategies.

#### 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
Air Pollution Management	Nil	04/12/2017	6	Employabil ity	Understand the basic concepts and features of the subjects.
PHP	Nil	03/10/2017	4.5	Employabil ity	Understand the basic concepts and features of the subjects.
Principles of Robotics	Nil	09/04/2018	5	Employabil ity	Understand the basic concepts and features of the subjects.
Principles of Robotics	Nil	04/12/2017	6	Employabil ity	Understand the basic concepts and features of the subjects.
Composite Materials	Nil	18/12/2017	6	Employabil ity	Understand the basic concepts and features of the subjects.
Physics for Engineers	Nil	02/01/2018	4.5	Employabil ity	Understand the basic concepts and features of the subjects.
Business Hindi	Nil	12/03/2018	4.5	Entreprene urship	Understand the basic concepts and features of the subjects.

#### 1.2 – Academic Flexibility

##### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	NIL	31/05/2018
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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
BE	Civil Engineering	05/06/2017
BE	Computer Science and Engineering	05/06/2017
BE	Electronic and Communication Engineering	05/06/2017
BE	Electrical and Electronics Engineering	05/06/2017
BE	Mechanical Engineering	05/06/2017
ME	Structural Engineering	10/07/2017
ME	Construction Engineering and Management	10/07/2017
ME	Computer Science and Engineering	10/07/2017
MBA	Master of Business Administration	10/07/2017
MCA	Master of Computer Application	10/07/2017

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

	Certificate	Diploma Course
Number of Students	368	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
Tekla	19/08/2017	35
PC Hardware Networking	25/09/2017	30
Data Converters	25/04/2018	52
PLC	18/12/2017	20
CATIA V6	18/12/2017	30
No file uploaded.		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Civil Engineering	75
BE	Mechanical Engineering	12



BE	Computer Science and Engineering	4
MBA	Master of Business Administration	61
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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)

<p>Feedback Obtained</p> <p>Students evaluate the theory subjects by using the various vital questions like "Punctuality, Sincerity commitment, Subject knowledge of the teacher, Commitment on presentation skills, Ability of students participation, Ability to integrate with the environment, Completion of the syllabus, Relevance of the assignments, Fairness in the evaluation of tests/ assignments, Accessibility of the teacher in and out of the class, Nature and character". Similarly, students evaluate the laboratory subjects by using the various important questions like "Punctuality, Sincerity commitment, Clarification of doubts, Accessibility of the faculty during lab hours, Completion of the syllabus, Fairness in evaluation". Further, the teachers have analysed their subjects by using various points like "Is the course objectives are illustrated clearly to the need of the students? Are you satisfying the existing syllabus which you are handling? Is the syllabus provides the basic knowledge to carry out the field project/internship? Is the syllabus designed based on the average students' level? Is the syllabus well organized and easy to follow by the students? Is the prerequisite for the syllabus available in the curriculum? Is the syllabus covered fundamentals, advanced topics and ensures a balance between theory applications? and Is the text and Reference book prescribed in the syllabus is standard or not?" Further, we were asked our institutions known and MOU signed employers to give some valid inputs about the subjects taught in the current semester, our institute teaching-learning processes. The important questions are "Is the course capable of adding learning values, professional ethics and human values in students? Is our syllabus compatible with the real-world problems? Rate the depth of knowledge about the courses, Is the syllabus meeting the industrial standards? Is the syllabus sufficient to analyses engineering problems and solutions? Is the syllabus meeting the expectation of the industry? Level of technical competency, Level of communication skill, Level commitment to work, Level of the overall performance of our graduate, towards organizational growth. In the same way, we have got valid inputs from our distinguished alumni about the teaching-learning processes by using questions like "Was the course well-structured to achieve course outcomes? Did the courses enable to build your future career? Have the courses enable the skills required by the industry? Rate the depth of knowledge about the courses, Are the courses sufficient to enable the students to analysis and identify the necessary solutions? Rate the syllabus and curriculum?". Through the parents meeting, we have usually obtained feedback from the parents also by using questions like "Is the entire course well-structured and caters the aptitude</p>
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interest and learning outcome of your ward? Have the courses enabled your ward to secure overall development? Have the courses enriched your wards skills and knowledge? Have your ward acquire real-world knowledge through the courses?' The structured feedback received from various stakeholders was carefully analysed and discussed in the meeting conducted by the Principal, Senior Professors, and HOD. At the end of the meeting, the actions to be taken for each suggestion and shortcoming are also discussed.

## 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
MCA	Master of Computer Application	60	Nil	Nil
MBA	Master of Business Administration	60	36	36
ME	Computer Science and Engineering	24	11	11
ME	Construction Engineering and Management	24	11	11
ME	Structural Engineering	24	9	9
BE	Mechanical Engineering	120	59	59
BE	Electrical and Electronics Engineering	60	23	23
BE	Electronic and Communication Engineering	120	30	30
BE	Computer Science and Engineering	120	43	43
BE	Civil Engineering	120	85	85

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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	1276	122	145	31	Nil
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## 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
176	105	8	43	1	5
<a href="#">View File of ICT Tools and resources</a>					
<a href="#">View File of E-resources and techniques used</a>					

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

• For every 20 students, a faculty is allotted as a mentor. For a class of volume 70,3-4 mentors are allotted and the class advisor will be the chief mentor. • A separate duration for the mentoring hour is included in the timetable. • Students meet the mentor during the mentoring hours and update the marks they scored in internal assessment and university results. Faculty analyze the performance of the students and give them counselling to improve their standard in the next examinations. • All the discipline activities of the students are also monitored by the mentor. • Students can avail leave only with the concurrence of the mentors. Mentors discuss with the parents and assure the necessity of the leave. • Mentors also encourage the students to participate in the events organized by the colleges to give the students a chance for experiential learning. • Mentors also address the personal problems of the students and give them better counselling they can else fix the appointment with the Psychiatrist Dr. Ashok.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1398	176	1:8

## 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
176	176	Nil	15	12

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
2017	Mr. S. Ravi	Associate Professor	NPTEL
2018	Mr. T. Anbukumar	Assistant Professor	Best Paper Award (International Conference)
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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-	Date of declaration of results of semester-
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			end examination	end/ year- end examination
ME	413, 418, 405	ODD/ II,III,IV	24/11/2017	29/12/2017
MBA	631	ODD/ II,III,IV	24/11/2017	29/12/2017
MCA	621	ODD/ II,III,IV	24/11/2017	29/12/2017
BE	103, 104, 106, 105, 114	EVEN/ II,III,IV	09/05/2018	29/06/2018
ME	413, 418, 405	EVEN/ II,III,IV	09/05/2018	29/06/2018
MBA	631	EVEN/ II,III,IV	09/05/2018	29/06/2018
MCA	621	EVEN/ II,III,IV	09/05/2018	29/06/2018
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

• The institute is affiliated to Anna University, Chennai. University prescribes 20 for internal assessment and 80 for university examination. • Internal exams are planned based on the academic schedule received from the university. • The University evaluation pattern is communicated to the students during the class committee meeting. • University pattern is followed for the preparation of internal exam question paper. This helps the students in the time management during university examinations. • Internal examination question paper along with the scheme of valuation is approved by the Academic co-coordinator/Head of the department. • Three internal exams are conducted each semester. The syllabus for the internal examination is considered as below. • Internal Exam Syllabus o Internal Exam I 100 of unit 1 and 50 of unit 2 o Internal Exam II 50 of unit 2 and 100 of unit 3 o Internal Exam III 100 of unit 4 and unit 5 • A centralized internal exam cell conducts an internal exam as planned. • A team of the squad is constituted by an internal exam cell to examine the conduct of the internal exam. • Faculty evaluates the internal exam answer sheets within 2 days of the conduct of examination and the same is verified by the Academic Coordinator/Head of the department. • Subject handling faculty will distribute the papers inside the classroom and the mistakes will be addressed in person. • The performance of the students is communicated to the parents and poor performance student's parents are asked to meet the concerned mentor/ class advisor. • Internal exam result is compared to student wise, subject wise, faculty wise, day scholar and hosteller wise. Academic coordinator/HoD will give some suggestions to improve the student's performance. • Internal assessment marks and attendance are uploaded periodically in the Anna university web portal.

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

• The institution is preparing Academic calendar for both Odd and Even semester individually allocating specific dates for Association Inauguration, Valediction, ISTE workshop, Seminars, Guest lecturer and Government holidays. • Internal exams were conducted on a specific period, which was assigned to all affiliated colleges by Anna University. • We Erode Builders Educational Trust Group of Institution bounded with Anna university rules and regulations for conducting internal exams and uploading the marks and attendance in the web

portal, Can't act autonomously.

## 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)

[http://builderscollege.edu.in/Downloads/naac/po\\_pso\\_co.pdf](http://builderscollege.edu.in/Downloads/naac/po_pso_co.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
621	MCA	Master of Computer Application	10	10	100%
631	MBA	Master of Business Administration	30	22	73.33%
405	ME	Computer Science and Engineering	Nil	Nil	0.00%
413	ME	Structural Engineering	11	10	90.90%
418	ME	Construction Engineering & Management	6	5	83.33%
114	BE	Mechanical Engineering	98	68	69.39%
106	BE	Electronic and Communication Engineering	53	31	58.49%
105	BE	Electrical and Electronics Engineering	56	43	76.79%
104	BE	Computer Science and Engineering	52	37	71.15%
103	BE	Civil Engineering	134	112	83.58%

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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)

<http://builderscollege.edu.in/Downloads/naac/2.7.1.2017-2018.xlsx>

## 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
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

### 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
Nil	Nil	31/05/2018

#### 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	31/05/2018	Nil
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#### 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
Nil	Nil	Nil	Nil	Nil	31/05/2018
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	1

#### 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)
National	Science and Humanities	2	0
International	Master of Business Administration	3	0
International	Mechanical Engineering	2	0
International	Electronic and Communication Engineering	1	0
International	Science and Humanities	7	0

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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
Computer Science and Engineering	1
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
No Data Entered/Not Applicable !!!						
<a href="#">View File</a>						

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
Tamarind seed polysaccharide biopolymer membrane for lithium-ion conducting battery	L. Sampath Kumar P. Christopher Selvin S. Selvasekarapandian R. Manjula devi S. Monisha P. Perumal	International Journal of Ionics	2018	1	12	Yes
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	38	8	Nil	Nil
Presented papers	5	3	Nil	5
Resource persons	Nil	Nil	Nil	2
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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
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Womens Day Celebration	Womens Day Celebration	26	425
LVB CASA and POS Awareness Programme	LVB, Poondurai Branch	7	64
EPIC Card Online Application Session	Tirupur Taluk Office	7	200
Workshop on GST Implementation	GST Academy of Excellence	7	64
NSS and TNEPDS	Tamilnadu Electronic Public Distribution System	2	18
NSS and YRC - Blood Donation Camp	Lions Club of Erode Cosmos	20	144
NSS - Dengue Awareness Programme	Collectorate of Tiruppur District	25	240
NSS - Road Safety Awareness Programme	Avinashi Traffic Police Station	20	45
NSS - Road Safety Awareness Programme	Erode Town Police Station	17	56
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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
Novelty in Teaching	Best Teaching Faculty 2017	Dr. Kalam Educational Trust, Chennai	40
Research	International Innovative Technologist and Dedicated Teaching Professional Award 2018	The Society of Innovative Educationalist Scientific Research Professional, Accredited with Malaysia	48
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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
NSS	Builders Engineering College through Yam Foundation at Nathakadaiyur (Government Hr. Sec. School)	Swachh Bharat	4	30
NSS	Builders	Medical Blood	5	50



	Engineering College through Yam Foundation in Texvalley	Camp		
NSS	Builders Engineering College	SVEEP	20	126
NSS	Builders Engineering College	SVEEP	10	126
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	0	Nil	0
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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
<b>No Data Entered/Not Applicable !!!</b>					
<a href="#">View File</a>					

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
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

## 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
2000000	0

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing



Total	1041	17	1041	2	2	1	7	62	0
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4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

62 MBPS/ GBPS
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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
EBET TRAINING CENTER	<a href="https://www.youtube.com/watch?v=jCt2lGs_bVB0">https://www.youtube.com/watch?v=jCt2lGs_bVB0</a>
EBET TRAINING CENTER	<a href="https://www.youtube.com/watch?v=nbo_vcCKW3Q">https://www.youtube.com/watch?v=nbo_vcCKW3Q</a>
EBET TRAINING CENTER	<a href="https://drive.google.com/drive/folders/1wqz1L18aWor2Xvas2CWD-sX-CaGuVbfI?usp=sharing">https://drive.google.com/drive/folders/1wqz1L18aWor2Xvas2CWD-sX-CaGuVbfI?usp=sharing</a>

#### 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
125000000	100941243.34	9500000	8863981.15

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)

Laboratory Equipment and accessories Laboratory Technicians / Laboratory in charge in consultation with HoDs and Campus Supervisors jointly prepare a list of maintenance activities to be carried out. Based on this, the maintenance activities are carried out. List of equipment and facilities, which require regular maintenance is prepared by the concerned Lab in-charges or Faculty considering supplier recommendations for maintenance. • Calibration Devices/equipment's subject to calibration shall be calibrated by an approved outside service provider Central Library As face is the index of a person so is the library for a college. The EBET library has been built to International Standards with an area of 1400 sq.m. and now has a collection of 27400 Volume of books. The EBET library subscribes 270 National and International Print periodicals and Delnet - IESTC, IMC Packages of E-Journals and has a good collection of latest CDs Floppies on various fields. 3600 books are added every year. Utmost care is taken in developing collection based on the Needs of our users and AICTE and university norms. Sports Every year various sports events conducted in the sports day. Institution provides free transport facility, hostel facility and food facility to participants and office bearers. Institution encourages our Students to participate in Sports Games conducted in Colleges, Districts and State. Computers The college has provided with more than 1040 computers with LAN and UPS facilities and 15 air-conditioned laboratories. The computer centres are equipped with high-end computers and required accessories. All the computers are interconnected through optical fibre as well as wireless network. The computers are interconnected using switches and optical fibres. Civil Maintenance: Campus manager is the in-charge for all civil related maintenance. The frequency of inspection is decided in

consultation with Secretary, Correspondent, Principal and Campus manager. Major Works are carried out during holidays and vacations and day to day maintenance works are carried out whenever required without disturbing the academic activities Electrical Maintenance: Professor from electrical department is the in-charge for overall electrical maintenance. It includes all electrical facilities in academic blocks, hostels Generator, Air-conditioners, etc. Electrical department maintains a list of electrical devices need to be maintained regularly Any complaint on electrical repairs is recorded in the register maintained at the power house. The electrical repairs are rectified based on the complaints recorded in the register. Extinguishers • Fire Extinguishers are provided and placed in different locations of the building for ensuring First Aid Equipment's • A Doctor is nominated who visits during prescribed Hours to provide medical treatment. Hostel / Mess Equipment • Cots, Fans, Tube lights, TV, cooking vessels, cooking stove, etc., are maintained by Deputy Warden and Mess Manager. It is monitored by Principal and Deputy Registrar. House Keeping • All classrooms, laboratories, faculty room, department office, Seminar halls, Auditorium, students restrooms and toilets, Hostel rooms, Mess, Kitchen are cleaned daily • Water sample will be tested before and after cleaning the water tank. • Water coolers provided for drinking purpose are also maintained and cleaned once in a month

<http://builderscollege.edu.in/Downloads/naac/Proceduresandpolicies.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	BEC Scholarship	401	12782000
Financial Support from Other Sources			
a) National	BC MBC Scholarship, SC/ ST - PMS, First Graduate, Minority Scholarship	1361	18630825
b) International	0	Nil	0
No file uploaded.			

#### 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
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

#### 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

2017	Career counselling	22	22	22	17
2017	Competitive examinations and career counselling	131	131	2	29
2017	Bridge Courses (Orientation)	36	36	2	2
2017	Career Counselling	64	64	2	2
2017	Career Counselling	30	30	1	1
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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
Nil	Nil	Nil

## 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
No Data Entered/Not Applicable !!!					
<a href="#">View File</a>					

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	1	BE	Computer Science and Engineering	Builders Engineering College	ME-CSE
2018	1	BE	Computer Science and Engineering	Vellalar College of Engineering and Technology	ME-CSE
2018	1	BE	Electronic and Communication Engineering	Vellalar College of Engineering and Technology	ME VLSI Design
2018	1	BE	Electronic and Communication Engineering	Kongu Engineering	ME VLSI Design

			ation Engineering	College	
2018	1	BE	Electronic and Communic ation Engineering	Erode Sengunthar Engineering College	M.E., Applied Electronics
2018	1	BE	Electronic and Communic ation Engineering	Builders Engineering College	M.B.A
2018	1	BE	Computer Science and Engineering	Builders Engineering College	ME-CSE
No file uploaded.					

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
GATE	1
Any Other	2
No file uploaded.	

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

Activity	Level	Number of Participants
Paribhaashaa 2	3	1312
9th Annual Day Function Activities: 1. Essay writing, 2. Drawing, 3. Solo song, 4. Group song, 5. Short film, 6. Rangoli, 7. Anchoring, 8. Group dance, 9. Solo dance 2	3	1250
9th Annual Sports Day Women Athletic Events Events: 1. Shotput, 2. Discus, 3. Javelin 4.100m Running, 5.200m Running, 6.400m Running, 7.800m Running, 8.1500m Running, 9.5000 m Running, 10.Long Jump, 11.Triple Jump, 12.High Jump, 13.4100 Relay, 14.4 2	3	412
9th Annual Sports Day Women Game Events Events: 1. Volleyball, 2. Basketball, 3. Hand Ball, 4. Ball Badminton, 5. Kho- Kho, 6. Throw Ball, 7. Chess-Swiss Method, 8. Shuttle Badminton, 9. Table Tennis, 10. Tennis-	3	412

Singles and Doubles, 11. Carom Singles, 2		
9th Annual Sports Day Men Athletic Events Events: 1.Shotput, 2.Discus, 3.Hammer, 4.Javelin, 5.100m Running 2	3	898
9th Annual Sports Day Men Game Events Events: 1. Volley Ball, 2. Foot Ball, 3. Kabaddi, 4. Cricket, 5. Ball Badminton, 6. Kho-Kho, 7. Hand Ball, 8. Basket Ball, 9. Chess, 10. Shuttle Badminton, 11. Table Tennis, 12. Carrom Singles, 13. Carrom Doubles 2	3	898
Budhimaan18 2	3	55
No file uploaded.		

### 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
No Data Entered/Not Applicable !!!						
<a href="#">View File</a>						

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

1.Class Committee A class committee consists of a chairperson, class advisor, subject handling faculties and the students' representatives. Student members are nominated based on various categories. The first meeting shall be at the beginning of the semester. During the consecutive Class committee meeting students express the major problems they faced in class and Specific feedback on the teaching-learning process, internal tests, covering of the syllabus, difficult areas of learning, infrastructure, attendance, special help needed, etc.,. 2.Internal Quality Assurance Cell The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the performance of institutions. Institutional IQAC has student members to provide suggestions for improving academic and administrative status. 3.Library Committee The Library committee comprises of Principal, librarian, faculty, and students as representatives. Student members of the library committee will assist in the procurement of textbooks, journals, and other learning material. 4.Students associations: Students association is formed in departments under the guidance of the HOD as the President. Office bearers meet once in a month to plan and carry out the activities. They conduct symposiums, seminars, workshops, and conferences every year. 5.Hostel Committees The hostel committee comprises warden and student representatives. The meeting is held weekly once and discuss the hostel administration and mess of each hostel. The various subcommittees in each of these hostels are Food Committee, Maintenance

Committee, Discipline Committee. 6. Grievance and Redressal committee The matters of harassment and suppression of any single individual are handled by grievance redressal cell. Students can express the general issues related to academic and non-academic in the meeting. The chairman and other members of the committee will scrutinize, investigate, consider all complaints/grievances of the students. 7. Anti-Ragging Committee The College has formed an Anti-Ragging committee with the Principal as the Convener. The functions of the Anti-Ragging Squad will be to keep a vigil and stop the incidences of Ragging if any, happening/reported in the places of Student aggregation including, Classrooms, Canteens, Buses, Grounds, Hostels, etc. The student representatives are educated by the faculty regarding anti-ragging measures and impact, in turn, they will educate peers. 8. Women's Empowerment cell The College has established a Women Empowerment Cell in the college campus to empower and safeguard the rights of female faculty, staff, and students of the College. Members of the committee including student representatives meet once in a quarter and discuss the women's development, ragging, sexual abuse, harassment, etc. and solved with the support of management. 9. Sports Committee The student representatives along with the physical directors meet once in a quarter and take up agenda like to identify the talented students, forthcoming tournaments, sports schedule, etc. The committee will arrange fitness programs and sports programs. 10. Cultural Committee The cultural committee consists of faculty advisors as head and students as members. The purpose of the committee is to identify the talented students in the campus and train them suitably. This committee meets once in a month to discuss opportunities in cultural activities.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Builders Engineering College - Alumni Association Alumni Association has been actively engaged during the academic year 2017-2018 for the welfare of the students, college and society. Students can become the members after course completion by registering in our alumni web portal <http://erp.builderscollege.edu.in:2656/cms/alumni/login>. Alumni across the globe have an opportunity to connect with people on a global scale to explore technically or socially as well as to keep in touch with the college and among them. We provided an opportunity for the present students to interact with their seniors through an Alumni meet for 2017 Passed out Students. All Alumni and Alumnae of Builders Engineering College were invited and event happened on 01.09.2018 (Saturday) at Kalam Auditorium, Builders Engineering College. Alumni eagerly and actively visited the college on regular intervals whenever they can by means of supporting financially and non-financially. Builders Engineering College - Alumni Association goal is to create a strong, world-wide, fully interactive community of Alumni. They play different role as mentioned below. Mentorship: Alumni used to actively mentor their juniors in their technical aspects of their expertise. They use to share various motivational information through their experience in real world. The present students in college will be guided through them and got encouraged that they can also flourish in various fields. Placements: The Alumni network of the college used to support students by providing opportunity for placements. Alumni entrepreneurs who started their business/startup company used to recruit for their own concern. Alumni who were working in higher designations used to refer the placement opportunities to their juniors. Career Guidance: Alumni's were invited through CDC (Career Development Cell) and EDC (Entrepreneur Development cell) for seminars, workshops and value added courses. Alumni, who are working in government based jobs, completed their higher education in reputed institutes, working in reputed core industries /software companies will be called for career guidance. Alumni who are running their startup companies will be called to inspire



through Entrepreneur development. Communication Networking: Alumni network by itself is one of the best professional networking platforms available today. A website link is provided recently to build a strong network between the institute, present students, parents and Management. College Alumni Day: Alumni meet used to happen by even semester of every academic year. They will be invited by their respective department coordinators Heads through Telephonic means, emails, personal invitations and by postal invitations. The event is to bring together all the old students and the faculty of Builders Engineering College to share their experiences with each other.

5.4.2 – No. of enrolled Alumni:

417

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

01.09.2018 – 2 activities

## **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)

Institute is focused on establishing a strong academic background through a systematic learning process. A transparent mechanism is followed to maintain autonomy. Individual participation is highly empowered because of autonomy mode. As marching towards victory, the institute is getting operated under the guidance of a well-built Governing Council comprises of Academics and Non-Academic background. The principal is the main authority of the institute working under the Governing Council. Governing Council is headed by, Thiru S.S. Natarajan, Chairman of Governing Council and Secretary, EBET and its members include Thiru V. Sathyamoorthy, Chairman-EBET, Thiru R. Eswaramoorthi, Treasurer-EBET, K. P. Dhanasekar, Correspondent-BEC, Dr. S. Subramanian, Former VC, Karpagam University, Coimbatore, Thiru R. Richardson Asir, Advisor- Civil Bangalore Metro Rail Corporation, Bangalore, Dr. V. Selladurai, Principal-CIT, Coimbatore, Dr. Suresh Paul Antony, IIM, Trichy, Thiru R.Chellappan, MD, SWELECT Energy Systems Ltd., Chennai, Dr. A. Kandasamy, Dean Industrial Research Development, PSG College of Technology, Coimbatore, Thiru. D. Venkateswaran, MD, Venbro Polymers, Erode, Dr. G. Ramasamy, Distinguished Professor/Civil, BEC, Dr.A.G.V.Narayanan, Dean-FoM FoC, BEC, Dr. V. K. Senthil Ragavan, Registrar, BEC, and Dr. P. Govindasamy, Principal, BEC. Members of this Governing Council assemble at regular intervals to discuss about Academic and Non-Academic Issues. Dean-FoM FoC and Principal were authorized in finalizing Academic Non-Academic Activities such as Subject Allocation, Result Percentage, Training Placements, Teaching Learning Process, Faculty Development Programmes, Value Added Programmes, Management Development Programmes, Research, Consultancy, MoU, Student Admission, Accreditation, Funded Project, Seminar and Conference, Industrial Visit, Entrepreneurship Development Programmes, Mentoring, CSR Activities, Value Added Programmes, Administration etc., Value Added Programmes recommended by the Governing Council, such as Orientation Program, Outbound Program, Soft skills Communication Training, Transaction Analysis Program, Hindi Language Teaching, etc., have developed intellectual and managerial capabilities of the students in a wide-spread. Institute's participative management style has empowered the faculty members towards addressing social issues on child labour and abuse, awareness on women's safety, etc., Mentoring System implemented by the institute is a great

move towards decentralization. Each discipline has a separate lab facility pertaining to their area. All these Laboratories are led by independent lab-in charges who are faculty members of the department, who will take care of the maintenance, purchase, service and stock maintenance. Participative management and meticulous delegation followed by the institute has made the faculty members and students, expertise in all the managerial skills such as Leadership Skills, Planning and Strategy Skills, Communicational Skills, Organizational Skills, etc.,

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
Admission of Students	<ul style="list-style-type: none"> <li>• The College ensures transparency in the admission process by strictly adhering to the guidelines issued by the AICTE, Govt. of Tamil Nadu, Directorate of Technical Education and Anna University.</li> <li>• Admission for Management quota is done as per the procedures of Consortium of Self Financing Professional, Arts Science Colleges in Tamil Nadu. Scholarships are also provided to the meritorious students on various schemes to help socially backward and economically backward students to get into the engineering education.</li> </ul>
Industry Interaction / Collaboration	<p>The Industry Institute Partnership Cell (IIPC) at EBETi is intended to be the face of the institute to the industry. It aims to facilitate the process of close industry-institute interaction and actively promoting fresh avenues for the same. The Industry Institute Partnership Cell (IIPC) at EBETi strives to enhance industry interaction with students and bridge the gap between academic and corporate world. IIPC invites entrepreneurs, executives and policy makers to address students thereby facilitating practical learning.</p>
Human Resource Management	<ul style="list-style-type: none"> <li>• Encouraging faculty members to undergo training for enhancing the quality of teaching.</li> <li>• Counselling and mentoring students by faculty and a qualified counsellor.</li> <li>• The Principal of the College is the academic head of the Institution. He looks after the academic activities of the Institution and maintains a cordial relationship with the management and all stakeholders.</li> </ul>

<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<ul style="list-style-type: none"> <li>• The college library has been built in international standards with an area of 1400 sq.m. The Library working between 9.00 am to 8.00 pm on all working days. It subscribes national and international print periodicals, DELNETs, IESTC, IMC packages of E - Journals and has a good collection of CDs on various fields, text and reference books sections, multimedia e-learning sections.</li> <li>• BEC includes, seminar halls with projector, faculty rooms, meeting rooms, office , class rooms, tutorial rooms, boys and common rooms, laboratories, communication laboratory, research laboratory , library, Internet and Wi-Fi facility in the entire building.</li> </ul>
<p>Research and Development</p>	<ul style="list-style-type: none"> <li>• Subscribing significant e-journals to motivate and facilitate research</li> <li>• Efforts are being taken to obtain research projects, grants from funding agencies.</li> <li>• Providing monetary incentives to the staff and students for presenting research papers in State. International, National level Seminar and Symposium.</li> <li>• Sharing of the consulting revenue to the consultancy team.</li> <li>• Encouraging faculty to enhance their qualification [Ph.D., programme]</li> </ul>
<p>Examination and Evaluation</p>	<p>Question bank was formed and given to students by the faculty members on their respective subjects based on that students will get question for internal assessment, the same have to be uploaded in Anna university website as internal marks. This will happen under the control of CoE.</p>
<p>Teaching and Learning</p>	<ul style="list-style-type: none"> <li>• Arranging guest lecturers by inviting experts from Industries, Research Organizations and Educational Institutions in the emerging field to enable the staff and students to learn new technologies.</li> <li>• Encouraging the learners to ask questions during teaching process (Learn by Queries) in order to clear the doubts while grasping the subject.</li> <li>• Submitting assignments / Innovative works on various topics.</li> <li>• Conducting seminars and presenting papers in the class, provides platform for discussion among the learners.</li> <li>• Visiting Industries, Exhibitions, Trade Fairs etc., helps to enhance their knowledge.</li> <li>• Participating and presenting papers in symposiums, Conferences, Displaying</li> </ul>

	their Project etc., helps to exhibit their talents.
Curriculum Development	Syllabus was framed by Anna University, In order to improve the result, COE was formed and internal test was conducted under their guidance.

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

E-governance area	Details
Planning and Development	The planning and development of the institution are being monitored by the College Management system (CMS). The CMS is an integrated web application that handles various academics Non academic activities of an institution. CMS Education Solution offers an integrated suite of modules that provides a single view of business process information to guide decision-making, with features that enhance operational efficiency. CMS module allows us to adapt to the customize usage of the software, thereby reducing our capital expenditure. It contains five major modules: 1) Academic, 2) Exam, 3) Transport, 4) Payroll, and 5) Reports
Administration	The E-governance system for administration of the institutions is functioning with CMS by taking care of the regular processes like Curriculum syllabus, Delivery mechanisms and class timetables, Evaluation methods mark obtained therein, Analysis of Tests [periodic and End Semester Exams], Intimation of result to students/parents, Project work, Laboratory Timetable, Equipment Maintenance, Student feedback on courses and course instructors
Finance and Accounts	The institutes use the Tally software for E-governance of Finance and Account work of the college. Further, Faculty and supporting staff attendance, payroll are calculated by CMS. This helps to increase the efficiency of Finance and Accounts department staff members in financial transactions. The college conducts regular audits to ensure unhide financial transactions.
Student Admission and Support	Our institute has separated counter for the students in order to provide services like admission form filling, scholarship form filling and examination form filling at one place

	only. In addition to that this counter also collects tuition fees from students with the help of CMS software. It also extends help to students for monitor their scholarship position from both government and non-government
Examination	Our institute has a separate examination cell with necessary ITC tools for examination purposes. As per the instructions of the Anna university examination department, our exam cell equipped all necessary equipment such as the required number of desktop computers with internet facilities for working in university portal, separate copier machine for printing.

### 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
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

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	Faculty Development Training Program - CE 6701 Structural Dynamics and Earthquake Engineering	Nil	09/06/2017	16/06/2017	25	Nil
2017	Faculty Development Training Program - CE 6405 Soil Mechanics	Nil	04/12/2017	09/12/2017	25	Nil
2017	Nil	Electric			Nil	23

		Power System	10/07/2017	15/07/2017		
2017	Nil	Installing and Configuring windows	12/06/2017	12/06/2017	Nil	19
2017	Nil	PC Hardware and Networking	15/11/2017	15/11/2017	Nil	21
2018	Nil	Linux Installation	28/05/2018	28/05/2018	Nil	18
No file uploaded.						

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
No Data Entered/Not Applicable !!!				
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
176	176	60	60

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
8	4	4

## 6.4 – Financial Management and Resource Mobilization

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

The EBET Group of Institution's complete financial details are audited by a Mr C VELUMANI B.Sc., FCA., Chartered Accountant as internal and external auditors who are auditing the accounts. After the completion of audit, the report is sent to the Management for review. The auditors are appointed by the Management team. External audit for the academic year 2017-18 on 01.04.2017 for the period ending on 31.03.2018. As on date of last external audit, there is no adverse remark on the accounts of the institution. The institution is filing income tax return every year well before the last date of return.

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
Erode Builders Educational Trusts Members Concession under Alumni, Post Graduate	15270250	Fee Concession

Scholarship Aptitude Test, Builders Association of India, Cut-off, and Sports quota.

No file uploaded.

6.4.3 – Total corpus fund generated

15270250

**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	TÜV Rheinland, Coimbatore	Yes	Principal
Administrative	Yes	TÜV Rheinland, Coimbatore	Yes	Principal

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

- The parent meeting is conducted two times for each semester to give space for interaction between parents with management and staff members.
- Parents can contact their son or daughters mentors at any time through the phone in order to discuss the welfare and grievances of students.
- Parents can contact personally their son or daughters class advisor, Hod, mentor and principal at college.

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

- Training programmes is conducted in order to improve their skill set.
- Training programmes is conducted based on the need basis
- PF is given for selective supporting staff members
- Transport fare will be waived for supporting staff members those who are acting as a bus in charges

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

The college, on a regular basis, makes a thorough environmental assessment of the campus and implements healthy ecological practices in water and energy conservation and waste management. Some of the initiatives are as follows:

- Solar plant of 200 KW established inside college campus.
- Different Club activities were going for making campus Eco friendly.
- An Energy Audit has been initiated and measures are being taken to increase the use of solar energy on campus.
- The existing RO plants supply potable water for the entire college.
- Some of the other eco-initiatives are ? Installation of Rain Water Harvesting ? The campus is Plastic-Polythene free ? Tree planting programmes ? Village outreach programs ? Conduct programmes on environmentally important days ? Environment and Health campaign ? Uses of renewable energy sources- Solar Panel etc.

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	Yes

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
<b>No Data Entered/Not Applicable !!!</b>					
<a href="#">View File</a>					

**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
Womens Day Celebration conducted by Women Development Cell (WDC)	08/03/2018	08/03/2018	451	Nil

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
88.89

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Provision for lift	No	Nil
Ramp/Rails	Yes	Nil
Braille Software/facilities	No	Nil
Rest Rooms	Yes	Nil
Scribes for examination	No	Nil
Special skill development for differently abled students	No	Nil
Any other similar facility	No	Nil

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
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2017	1	1	01/08/2017	1	Workshop on GST Implementation	GST	50
2017	1	1	01/08/2017	1	EPIC Card Online Application Session	Election Awareness Campaign	250
2017	1	1	02/08/2017	1	Dengue Awareness Campaign	Health	230
2017	1	1	04/08/2017	1	Management Lessons from Dangal Movie	Personal Development	46
2017	1	1	07/08/2017	1	Recent Trends in Marketing	Personal Development	40
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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	05/06/2017	For Male Faculty - Formal dress with Full Hand shirt tucked-in. - Clean-shaven look and wear formal shoe and socks. For Female Faculty - Saree and blouse with normal sleeve. - Decent Salwar Kameez. These following rules are posted in our various departments such as Library, Exam cell, Physical Department, Administration office, CSE dept, ECE dept, EEE dept, Mechanical dept. SH dept, Civil dept.
Code of conduct for student	05/06/2017	For Male students • Shirts - Full or Half sleeve shirt. • Trousers - Trousers with shirt neatly tucked in. • Shoes - Shoe with Socks. For Female students • Saree - Saree and blouse with normal sleeve during functions. • Salwar

		<p>Kameez - Regular Salwar  Kameez with side slits from below the hip line with normal sleeves. •  Chudidhar - Long Kameez with side slits from below the hip line and Chudidhar •  Shoes - Shoe with Socks. For  Practicals And Workshops  Appropriate uniforms that are stipulated i.e. lab coats, shoes etc., should be worn.</p>
Code of conduct for governing body	05/06/2017	<ul style="list-style-type: none"> <li>• Ensure that the institute is well run, meet the needs for which it has been set up.</li> <li>• Use reasonable care and skill in their work as members of the governing body and must seek professional advice where ever appropriate.</li> <li>• Attend meetings of the governing body and the committees regularly on which they serve, and acquire appropriate knowledge to contribute effectively to decision making.</li> <li>• Make such provisions, as may enable institute to undertake specialized studies with proper provision for laboratories, libraries and equipment.</li> <li>• Establish departments, programs, research and specialized studies, hostels.</li> </ul>
Code of conduct for Principal	05/06/2017	<ul style="list-style-type: none"> <li>• Principal being the Head of Institute is responsible to the management for all academic, financial and administrative activities.</li> <li>• Reviews current academic progress, collaborative efforts and Human resource management.</li> <li>• Admission authority of the institute to implement admission process as prescribed by</li> </ul>

state government and the University. • Develops and implement of strategic plan for short term and long term development of the institute and sustainable quality improvement. • Plans and facilitates guidance, counselling and other student' services at institute level. • Discusses and approves financial estimates, annual reports, accounts and audit reports on time. Maintains necessary records of the institute in stipulated formats.

Code of conduct for official, supporting staff

05/06/2017

- Maintains a supportive environment for while performing their assigned duties.
- Respects confidentiality in all matters.
- Understands the job scope, practices, and procedures relating to their position.
- Ensures accuracy and thoroughness in the performance of their assigned duties.
- Meets targets regarding work to be performed to the best of their ability.
- Be well-organized.
- Demonstrates ability to solve problem within the scope of their position.
- Demonstrates ability to work independently when appropriate need arises.
- Notify their in-charge if they are unable to come to work.
- Submits leave application to the in-charge if want to avail vacation.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Graduation Day Celebration	29/07/2017	29/07/2017	553
Independence Day Celebration	15/08/2017	15/08/2017	262

Republic Day Celebration	26/01/2018	26/01/2018	282
Teachers Day Celebration	05/09/2017	05/09/2017	426
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#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1.Green Landscaping with Trees and Plants
2. Students and staff members are encouraged to use bicycles
3. Students and staff members are encouraged to use public transport facilities and college bus facilities so that plastic-free we can reduce the fossil fuel consumption
4. Trash cans are placed around the campus so that plastic-free campus and proper waste management is followed
5. The institute is using digital technologies to minimise the over consumption waste within the water of papers and other related resources
6. A water treatment plant inside the campus to treat the waste water and the same can be utilised within the campus itself
7. More number of trees are planted and watered properly so create a green environment inside the campus
8. Buildings are designed in a way that natural light and ventilation is utilised properly and power consumption is reduced

#### 7.2 – Best Practices

##### 7.2.1 – Describe at least two institutional best practices

- Institution has inducted a finger command system called as College Management System (CMS) to facilitate day to day affairs by the respective Heads and Director. This creates a perfect Management Information System (MIS) which facilitates quick decision making.
  - An intensive week long Orientation Programme for the fresh students enables to get them acclimatized with the new learning environment.
  - To keep the students composed, Yoga and Art-of-living programmes are offered as a part of the curriculum.
  - Towards facilitating national and international placements offers, Hindi and Japanese languages are offered to the interested students.
  - Apart from the curriculum, 20 plus clubs have been established to improve lateral thinking, innovative attitude, creativity, social awareness, life skills, etc.,
  - Parents are provided with user-id to get to know their wards' performance through web portal
  - Institution adopts 'Mentoring' system which has been found to be extremely good in terms of students' performance in academic and non-academic activities. It also paves way for a congenial atmosphere for the students.
  - Rain water harvesting pits are accommodated energizing the ground water. Plastic free grounds and the greater part of intra departmental correspondence is through messages and WhatsApp groups.
  - More initiatives are taken to address the local, national advantages and disadvantages towards societal engagement. The institute commends national celebrations, birth/passing commemorations of incredible Indian characters
  - The institute stresses on moral set of principles for students and staff.
- Best Practice 1 Title: Value added course**  
**Goal: The institute follows the university syllabus and updates it with academic specialists to take into account the improvements in the academic field. The industries continue creating different items and do upgrades in accordance with clients/customer needs and shifting social necessities. All things considered, there is constantly a gap between academic information educated and Industrial Skill required. BEC has acknowledged to connect this**

gap. Consequently, Industry specialists are called to convey special lecture making attention to the students. At every possible opportunity, Industry experienced hands are procured to convey customary classes additionally with instances of industry exercises. A few most recent programming/equipment trainings are organized beyond the syllabus to have a good experience. Additionally, students are urged to have temporary jobs with industry at every possible opportunity. Objectives: The main objectives of the program are: • To connect the aptitude holes and prepare students industry ready. • To improve employability aptitudes for engineering students of BEC. • To give a chance to students to create interdisciplinary aptitudes • To assist students with getting ready in fact for position. • To provide an opportunity to students to develop interdisciplinary skills • To cause the students to get aptitude in regions which thus improve their certainty level. • To encourage the students to have state-of-the-art innovative data. • To set models that characterizes the degrees of information and ability required for a propelled student. • To have any kind of effect among students by getting included and interfacing with best assets. Context: • Value included courses fill in as a stage to cross over any barrier between the college educational program and the industrial need in this manner redesigning students information. Resource persons from recognized associations help students broadening need support. The mindfulness on the best in class is given by the asset people. This improves the placement offer for students as they get refreshed with the present patterns in the business. • To address industry issues esteem included courses are directed. The courses center around aptitude advancement and over half of the time is spent on useful preparing and critical thinking, to give the imperative comprehension towards use of academic themes from engineering disciplines into real time projects. Practice: • BEC created a culture of having the Saturday afternoon session for developing their knowledge which will support the students to face the company requirement in addition to their regular academic. During this session only limited students are accommodated based on their willingness. • Value added courses are directed to students which help them to improve abilities to configuration/create items. • Hands-on instructional courses are urged going with theory classes to give practical information for the students. • It is practiced with lecturing and hands-on training step by step that causes the students to make their own project. • Eminent guest speakers are welcomed from outer associations. Resources are additionally urged to go for confirmations and in this way backing to conduct training classes. • To satisfy the desires and requests of the industry, the value added courses according to the department needs are planned and directed by the concern coordinators. • Apart from the curriculum, value added courses are conducted on various topics during alternate Saturdays from 1.30pm to 4.15 pm. Evidence of success: • As students get prepared in the necessities required by the industry, placements are expanded by the value addition. • The number of students getting ventures in industry is expanding every year as they get good technical skills which are required by the industry. • Offering these sorts of Courses makes numerous students to get placement in MNC and Core organizations during their final year

**BEST PRACTICE-2 Title: In-plant training** Objectives of the Practice: The objectives of this initiative are: • The purpose of In-plant Training is to expose students to real work of environment experience and at the same time, to gain the knowledge through hands on observation and job execution • To provide students the opportunity to test their interest in a particular career before permanent commitments are made. • To expose students to real work environment experience gain knowledge in writing report in technical works/projects. • To build a good communication skill with group of workers and learn to learn proper behavior of corporate life in industrial sector. • To understand the psychology of the workers, their habits, attitudes and approach to problems along with the practices followed either at factory or at site. • To get familiarized with various Design, Manufacturing, Analysis, Automation and

Purchase, Processes, Products and their applications along with relevant aspects of Industry management. • To understand the scope, functions and job responsibilities in various departments of an organization. The Context • In-plant training instructs the students with appropriate knowledge of the valuable practices of industries. • The survivability of students in MNCs who underwent in-plant trainings are found to be more, when compared to those who enter MNC right after their completion of studies. The Practice • A separate cell "Industry Institute Partnership Cell" has been established with experienced experts members of faculty to make students company ready. • Reputed companies are providing inplant training to our students. • A proper monitoring has been done after completion of their IPT • To enrich the practical knowledge of the students, the respective departments conducted review presentation about the IPT by the students. Evidence of success: • It helped in identifying the areas of improvement in diverse aspects of recent trends in industry needs. • Campus placement showed significant increase after the introduction in-plant training to the students

[http://builderscollege.edu.in/Downloads/naac/2017-18/7.2.1\\_IPT-2017-18.pdf](http://builderscollege.edu.in/Downloads/naac/2017-18/7.2.1_IPT-2017-18.pdf)  
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Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

[https://builderscollege.edu.in/Downloads/naac/2017-18/7.2.1\\_best\\_practices\\_BEC-2017-18.pdf](https://builderscollege.edu.in/Downloads/naac/2017-18/7.2.1_best_practices_BEC-2017-18.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

Institute is focused towards establishing a strong academic background through systematic learning process. At a distance from curriculum needs, Institute has given various technical educations like CATIA, Pro-E, Red hat etc., Corporate needs are fulfilled through Campus to Corporate Connect Programmes like Corporate Connect, CEO, CXO Connect Programmes and an MOU (memorandum of understanding) is made with TVS-Harita Tech Serv - Chennai, Trimble Solutions Pvt. Ltd., Chennai, Renold Chain, Simem Construction - Gujarat, Schwing Stetter, that helped us in many ways. Entrepreneurial skills to the students and faculty members are triggered by means of various programmes on different streams like Insurance, Agri, Food Processing, Rain Water Harvesting, Food Beverage, Tourism, Hospitality, FMCG, Manufacturing, Pharmacy, Infrastructure etc., through Entrepreneurship Development Cell. Formation of Anti-Ragging Committee/Cell is operating as a major force in addressing various forms of ragging. <https://builderscollege.edu.in/?sragging> For the benefit of differently abled students, institute has created many facilities like ramp walk, class rooms on the ground floor and time extension for the university exams. For the gratuity of the rural area school students, institute has offered various programmes like motivational talks, awareness on child labour and abuse, awareness on women's safety etc., Ceaseless internet connectivity through dedicated 12 mbps Lease Line. ? Institute has arranged and offered government scholarships and institutional scholarships respectively to the economical backward students? Towards bridging the gap between faculty members and students, we have implemented mentoring system under the ratio of 1:15. This helps us in structuring our institute as a better knowledgeable environment and it helps us in addressing both academic and non-academic issues. ? Institute has arranged outstanding transport facility for all the

students and faculty members in and around 90 kilometres radius. As per the norms and safety rules of the state government, institute is sustaining the transport vehicle in good condition with speed limit control device (speed governor), first aid kit box, emergency exit etc., For the well-being of girl students, institute has outlined a cell called Women's Development Cell (WDC), through this cell institute has addressed various subjects on safety, entrepreneurial skills, medical issues etc.,? The BEC library has been built to International Standards with an area of 1400 sq.m. and now has a collection of 29390 Volume of books on a variety of subjects. Specialized collections of Books, Journals Non-book materials are available in Basic Sciences Humanities, Engineering and Technology and Social Sciences and some of which are rare invaluable. ? As a part of equipping social awareness among students, institute has created NSS committee (National Service Scheme). NSS intends to create social awareness among students and provide them with an opportunity to work for the common people. NSS volunteers of BEC are involved in a wide spectrum of activities such as Social service, tree plantation, Election Awareness Rally, Health check-up Camps, blood donation camps etc.,

Provide the weblink of the institution

<http://builderscollege.edu.in/Downloads/naac/7.3.1.2017-18.pdf>

### **8.Future Plans of Actions for Next Academic Year**

- All faculty members shall be advised to do at least one NPTEL course. • Faculty members try to participate in FDP, Conferences, Workshops, and Seminars.
- Faculty members shall be advised to strengthen the alumni relationship. • Students shall do more internships, in plant training and industrial visits, and industry projects. • Make the IQAC more relevant to the institution by arranging with Academic and Administrative Audit and document the various academic processes properly • Developing high-quality skilled workforce of industry relevance through MOU signed industries • Implementation of ICT tools enabled classrooms as much possible thereby increase the teaching and learning processes.
- Strengthening of networking and computing facilities. • Reducing per capita electricity consumption by utilising solar energy.