Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**BUILDERS ENGINEERING COLLEGE**
Name of the head of the Institution	**Dr. S. Gopalakrishnan**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04257241935**
Mobile no.	**9487811008**
Registered Email	**principal@builderscollege.edu.in**
Alternate Email	**info@builderscollege.edu.in**
Address	**ERODE ROAD, NATHAKADAIYUR**
City/Town	**KANGAYAM, TIRUPUR DISTRICT**
State/UT	**Tamil Nadu**
Pincode	**638108**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. S. Ravi Shankar**
Phone no/Alternate Phone no.	**04257241935**
Mobile no.	**9486978736**
Registered Email	**iqac@builderscollege.edu.in**
Alternate Email	**naac@builderscollege.edu.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://builderscollege.edu.in/wp-content/uploads/downloads/naac/AQAR_2017-18.pdf

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://builderscollege.edu.in/Downloads/naac/Academic_Calendar_2018-2019.pdf

5. Accrediation Details

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

6. Date of Establishment of IQAC	**12-Apr-2017**

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
Li-Fi Technology	**24-Feb-2019** **1**	**18**

IP Telephony	11-Feb-2019 1	13
Construction Techniques	10-Jan-2019 1	10
Energy Management	07-Jan-2019 1	6
Handling Free Rider	16-Nov-2018 1	15
Work Life Balance	23-Oct-2018 1	14
Goods and services Tax	11-Oct-2018 1	10
Quantity Surveryor	20-Sep-2018 1	10
Positive Thinking	05-Sep-2018 1	15
Power Quality Analysis	26-Jun-2018 1	6
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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
No Data Entered/Not Applicable!!!				
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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)	

1. Improved faculty turnover ratio 2. Improved placement record for all branches 3. Slow learners special Coaching Classes 4. Improved publications of the faculty members 5. Overall criterion in charges and department wise criterion in charges allotted for NAAC process 6. Totally 14 training programs were conducted for Teaching faculty members(12 programs) and Non Teaching staff members (3 Programs) 7. Five students have started new business

[View File](#)

13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
ICT Tool usage	Encourage faculty members to use the various ICT tools as much as possible in the teaching learning process.
Auditing	Internal ISO auditing was conducted in order to improve the quality system of the institution
Encouraging faculty members in research work	Faculty members were actively involved in publication of journals in peer review journals especially UGC Care indexed journals. Also they prepared proposals and applied in the funding agencies
Coaching classes for low performers	Low performers students were benefited
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Governing Council	18-Apr-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	04-Aug-2018
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	11-Jan-2019

17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	College Management System (CMS) is an ERP system specially designed to automate the manual processes of institution. The academic module supports academic year, calendar, course type, regulation, batch, add subject, regulation subject, syllabus, elective paper, class time table, subject card, lesson plan, study materials, lesson plan approval, education trip, assignment, staff change, staff view time table, exam class arrangements, student complete detail, student profile, student extra details, events, holiday management, student attendance, student leave, student period attendance, remove topic covered, student attendance cancel, leave apply, availability and pending details, range wise attendance percentage, certificate/bonafide approval configuration, certificate/ bonafide request approval and certificate requests. The exam module supports mark definition, grade definitions, exam result, semester exam results upload, external exam mark upload, internal mark entry and internals. The placements module supports placement approval configuration, interview eligible student, interview eligible student approval and placement attendance. The library module supports author configuration, publisher configuration, library role configuration, library access permission, library access, library rack, book category, library entry, library book import, book entry, library transaction, book return, OPAC search, patron category, serial collection, stock verification, gate register, magazine subscription and book reservation. The HR management module supports staff management, staff leave apply, staff leave approval, staff leave approval history, leave cancel, staff permission apply, staff permission approval, staff permission approval history, permission cancel, alternate staff approval and staff experience details. The SMS module supports SMS template type, group SMS, generate SMS, transport, vehicle

approval configuration, vehicle remainder, route incharge and vehicle request. The fees collection module supports course type configuration, fee type configuration, hostel fee type configuration, fee generation, hostel fee structure, bus fees configuration, fee apply, hostel fee edit, fee upload, additional fee, edit fee details, student fee edit, candidate advance receipt, move candidate advance, bulk receipt, students advance receipt, voucher entry and students fee receipt. The hostel module supports manage hostels, manage hostel staff, hostel application search, hostel student profile search, hostel student profile, hostel wing, hostel room, hostel room allocation, hostel attendance, leave type, leave approval configurations, student leave apply in warden login, student leave apply in student login, student leave requests view in warden login, student leave approval by warden, common holiday generate by warden, generate gate pass, outing permissions, IVRS process, hostel staying permission, bulk room vacate, hostel expenses, guest room allocation and hostel application form. The mess module supports meal time create (Breakfast, lunch, dinner), menu create, mess details, mess wise mess member update (staff student), hostel and mess mapping, mess deduction based on thumb manual (staff student) attendance, mess wise mess bill calculate, standard recipe card, meal time wise attendance generate (based on thumb), item wise category create, item details update, item wise supplier update, credit purchase, direct purchase, store transfer, store wise item wise, mess extra sales update, mess extra sales expense update, hostel expense update, category wise mess expense create, mess extra sales and income. The admission module supports candidate enquiry (online/ offline), candidate search, candidate selection and student management.

<div align="center">Part B</div>

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 the effective curriculum delivery, BEC adopts its unique innovative methods and systematic strategies. The three phases of our systematic strategy comprises of Planning, Development & Implementation and Evaluation. Systematic Strategy for effective curriculum delivery During 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 availability for smooth functioning of the forthcoming semester. Based on University academic schedule, 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 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, 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 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 question, two mark questions and twisted questions, problematic questions, case studies respectively. During Implementation and Evaluation phase, the various tools such as Course Committee 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/entrepreneurship	Skill Development
Traffic Engineering Management	NIL	10/12/2018	6	Employability	After completing this course student will be able to analyse traffic problems, plan for traffic systems, design channels, intersections,

					signals and parking arrangements.
MS Project	NIL	17/09/2018	10	Employability	Students can develop integrated project management plans and documents by applying appropriate estimating techniques to the project.
PC Hardware and Networking	NIL	04/06/2018	5	Employability	Problem analysis, use of judgment and ability to solve problems efficiently. Decision making, critical thinking, organizing and planning effectively.
Fibre Optics	NIL	03/12/2018	6	Employability	Helpful to students in communication purpose in networking based sector.
Mechatronics - an Overview	NIL	17/12/2018	7	Employability	Knowledge about the elements and techniques involved in mechatronics systems are very much essential to students to understand the emerging field of automation.
Composite Materials for Automobiles	NIL	03/12/2018	6	Employability	Describe basic concepts of composite

| | | | | materials and application of composite materials in various engineering fields. |
| Banking and Financial Services | NIL | 23/07/2018 | 35 | Employability | Providing required level of basic knowledge in banking and financial services, banking technology, customer relations, basic accountancy and legal aspects necessary for carrying out day to day banking operations. |

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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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	02/07/2018
BE	Computer Science and Engineering	02/07/2018
BE	Electronic and Communication Engineering	02/07/2018
BE	Electrical and Electronics Engineering	02/07/2018
BE	Mechanical Engineering	02/07/2018
ME	Structural Engineering	02/07/2018
ME	Construction Engineering and Management	02/07/2018

ME	Computer Science and Engineering	02/07/2018
MBA	Master of Business Administration	02/07/2018
MCA	Master of Computer Application	02/07/2018

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

	Certificate	Diploma Course
Number of Students	221	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
REVIT Architecture	09/07/2018	22
STADD PRO	05/07/2018	19
TEKLA	25/08/2018	33
Python Basics	03/12/2018	40
Core Java	11/06/2018	50
Modern Power Converters	03/12/2018	15
Communication Engineering	17/12/2018	17
Nano Technology	17/12/2018	52
Introduction to MATLAB	03/12/2018	20
Modelling of Machine components by CATIA V6	03/12/2018	30
	[View File](#)	

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Civil Engineering	122
BE	Computer Science and Engineering	47
BE	Electronic and Communication Engineering	93
BE	Electrical and Electronics Engineering	49
BE	Mechanical Engineering	107
ME	Structural Engineering	9
ME	Construction Engineering and Management	11
ME	Computer Science and Engineering	10
MBA	Master of Business	60

	Administration	
MCA	Master of Computer Application	1

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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

1. Students evaluate the syllabus by using the various vital questions like course objectives that are illustrated in the syllabus, prerequisite for the syllabus available in the curriculum, relevance of the units in syllabus relevant to the course, distribution of the contact hours among the course components (L-T-P), experiments in relation to the real life applications, offering of the electives in terms of their relevance to the specialization streams, course in terms of extra learning or self-learning considering the design of the courses, courses in terms of sequence of offering considering whether the preceding courses have been covered and the size of syllabus in terms of the load on the student. 2. Further, the teachers have analysed their subjects by using various points like the course objectives that are illustrated clearly to the need of the students, syllabus is organized, prerequisite for the syllabus available in the curriculum, relevance of the text books and reference books to the courses and offering of the electives in terms of their relevance to the specialization streams and technological advancements. 3. Further, we asked our potential employers to give some valid inputs about the subjects taught in the current semester, our institute teaching-learning processes. The important questions are the relevance of the courses in relation to the program, offering of the courses in relation to the specialization streams, competence of the course in adding learning values, professional ethics and human values to students and courses in terms of extra learning or self-learning considering the design of the courses. 4. In the same way, we have got valid inputs from our distinguished alumni about the teaching-learning processes by using questions like the relevance of the courses in relation to the program, sequence of the topics in the units, offering of the courses in relation to the specialization streams, offering of the electives in relation to the technological advancements, domain used for designing the experiments in terms of the suitability of the tools to the domain and courses that you have learnt in relation to your current job. 5. Through the parents meeting, we have usually obtained the feedback from the parents also by using the questions on course structure, aptitude interest, learning outcome of the ward, overall development of the ward, enrichment of wards skills and knowledge and acquisition of real-world knowledge through the courses. The structured feedback received from various stakeholders was carefully analysed and discussed in the meeting conducted by the IQAC with Principal, Senior Professors and HOD. At the end of the meeting, the actions to be taken for each suggestion and shortcomings were 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
BE	Civil Engineering	120	23	23
BE	Computer Science and Engineering	120	41	41
BE	Electronic and Communication Engineering	120	20	20
BE	Electrical and Electronics Engineering	60	2	2
BE	Mechanical Engineering	120	18	18
ME	Structural Engineering	24	4	4
ME	Construction Engineering and Management	24	8	8
ME	Computer Science and Engineering	24	1	1
MBA	Master of Business Administration	60	27	27
MCA	Master of Computer Application	60	Nill	Nill
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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
2018	1040	107	115	20	3

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 Tools and resources	Number of ICT enabled	Numberof smart classrooms	E-resources and techniques used

	ICT (LMS, e-Resources)	available	Classrooms		
138	138	21	47	1	8502

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View File of ICT Tools and resources

View File of E-resources and techniques used

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

For every 10 students, a faculty is allotted as a mentor. For a class of 60 student's volume, 6 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 mentoring hour 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 the better counselling they can else fix the appointment with the Pshycatrist Dr. Ashok.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1147	138	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
138	134	4	4	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
2019	Mr. V. Karthi	Assistant Professor	Aasaan Best Performance award
2019	Mr. S. Ravi	Associate Professor	NPTEL – Roorkee -Elite Gold- Certificate
2019	Mr. A. Thirumalaikumaran	Assistant Professor	NPTEL Roorkee- Elite - Certificate
2019	Ms. S. Radhika	Assistant Professor	NPTEL – Swayam -Elite - Certificate
2019	Ms. D. Nithya	Assistant Professor	NPTEL – Swayam -Elite - Certificate
2019	Ms. D. Nithya	Assistant Professor	NPTEL – Swayam -Elite silver - Certificate
2019	Ms. S. Saranya	Assistant Professor	NPTEL – Swayam -Completed -

2019	Mr. A. Thirumalaikumaran	Assistant Professor	NPTEL Kharagpur – Completed - Certificate
2019	Mr. C. Sivaraj	Assistant Professor	NPTEL , IIT Kanpur Elite -Certificate
2019	Mr. C. Sivaraj	Assistant Professor	NPTEL , IIT Kanpur Elite -Certificate

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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
MBA	631	II/1 year	22/03/2019	22/06/2019
ME	413,418,405	II/1 year	22/03/2019	22/06/2019
BE	103,104,106,105,114	II/1 year	22/04/2019	22/06/2019
BE	103,104,106,105,114	VIII/4 year	22/03/2019	26/05/2019
BE	103,104,106,105,114	IV/2 year, VI/3 year	22/03/2019	22/06/2019
BE	103, 104, 106, 105, 114	III/2 year, V/3 year, VII/4 year	17/10/2018	29/12/2018
BE	103, 104, 106, 105, 114	I/1 year	10/12/2018	13/02/2019
MBA	631	III/ 2 year	17/10/2018	13/02/2019
MCA	621	III/ 2 year	17/10/2018	13/02/2019
ME	413, 418, 405	III/ 2 year	17/10/2018	13/02/2019

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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. • University evaluation pattern is communicated to the students during 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 examination. • Internal examination question paper along with scheme of valuation is approved by Head of the department. • Three internal exams are conducted in each semester.Syllabus for internal examination is considered as below Internal Exam Syllabus Internal Exam I 100 of unit 1 and 50 of unit 2 Internal Exam II 50 of unit 2 and 100 of unit 3 Internal Exam III 100 of unit 4 and unit 5 • Centralized internal exam cell conducts internal exam as planned. • Faculty evaluates the internal exam answer

sheets within 2 days of the conduct of examination and the same is verified by Head of the department. • Subject handling faculty will distribute the papers inside the classroom and the mistakes will be addressed in person. • 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 student wise, subject wise, faculty wise, day scholar and hosteller wise. 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)

• 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 specific period, which was assigned for all affiliated colleges by Anna University. We Builders Engineering College bounded with Anna university rules and regulations for conducting internal exams and uploading the marks and attendance in web portal.

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/2.6.1-2018-2019.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	3	3	100
631	MBA	Master of Business Administration	34	34	100
418	ME	Structural Engineering	9	9	100
413	ME	Construction Engineering and Management	11	11	100
405	ME	Computer Science and Engineering	10	10	100
114	BE	Mechanical Engineering	99	80	80.80
106	BE	Electrical and Electronics Engineering	93	65	69.89

105	BE	Electronic and Communication Engineering	48	40	83.33
104	BE	Computer Science and Engineering	48	31	64.58
103	BE	Civil Engineering	122	94	77.05
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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://builderscollege.edu.in/Downloads/naac/2.7.1-Overall-2018-2019.xls

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
Students Research Projects (Other than compulsory by the University)	325	Tamilnadu State Council for Science and Technology,Chennai	0.22	0.22
Industry sponsored Projects	220	SBNA Technologies, Coimbatore	0.78	0.78
Industry sponsored Projects	182	AVEON Infotech pvt ltd., Coimbatore	0.25	0.25
Industry sponsored Projects	294	Enthu Technology Solutions India Private Limited, Coimbatore	1	1
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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
Guest Lecture on OODO ERP	Electronics and Communication Engineering	27/02/2019
Guset Lecture on Global Startup Programs	Electronics and Communication Engineering	29/08/2018

Design on E-vehicle	Mechanical Engineering	28/08/2018
Design of Machine Elements	Mechanical Engineering	30/08/2018
Design of Electrical Wiring using ECAD	Electrical and Electronics Engineering	15/09/2018
Symposium on Recent Trends in Electrical , Electronics Instrumentation.	Electrical and Electronics Engineering	15/02/2019
Opportunities in Civil Field for Electrical Engineers	Electrical and Electronics Engineering	11/03/2019
Corporate Dais-Opportunities in Agro Business	Master of Business Administration	27/09/2018
Corporate Dais-Interaction	Master of Business Administration	12/02/2019
Corporate Dais-Jewellery Retail Practices	Master of Business Administration	16/10/2018
Corporate Dais-Confidence Building	Master of Business Administration	25/09/2018
Academic Dais-Gems and Pearls from Ocean of Accounts	Master of Business Administration	27/08/2018
Corporate Dais-Capital Market and Security Analysis	Master of Business Administration	11/08/2018
National Workshop - Safety, Health and Environment in Construction	Civil Engineering	19/07/2018
Cloud Literacy Day - 2018	Computer Science and Engineering	16/10/2018
One Day Free Graphic Course	Computer Science and Engineering	30/05/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Elite-Design of Reinforced Concrete structures	Ms. D. Nithya	NPTEL Swayam	30/04/2019	Online course
Elite-Fundamentals of Manufacturing Processes	Mr. A. Thirum alaikumaran	NPTEL Swayam	30/04/2019	Online course
Elite-Soft skill development	Mr. C. Sivaraj.	NPTEL Swayam	30/04/2019	Online course
Students Kart	Mechanical	Hasten Go	20/09/2018	Overall

Design Challenge	Engineering students	Karting Track , Kuramguda, Hyderabad		second place Rs 50,000,Endurance and Fuel Economy
SS info TV E-Kalvichevai award 2018	Builders Engineering College	Supreme soul combines	10/02/2019	For promoting quality education.
Elite Non – Conventional Energy Resources	Ms. S. Radhika	NPTEL Swayam	30/04/2019	Online course
Elite Gold Refrigeration and Air Conditioning	Mr. S. Ravi	NPTEL Swayam	30/04/2019	Online course
Elite-Engineering Metrology	Mr. C. Sivaraj.	NPTEL Swayam	30/04/2019	Online course
Silver-Effective Engineering teaching in practice	Ms. D. Nithya	NPTEL Swayam	30/04/2019	Online course
[View File](#)				

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	Nill
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	7	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
Civil Engineering	1
Mechanical Engineering	1
Science and Humanities	1
Master of Business Administration	1

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	Master of Business Administration	1	0
International	Science and	4	0

	Humanities		
International	Computer Science and Engineering	3	0
International	Electronics and Communication Engineering	8	0
[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
Electronics and Communication Engineering	6
Computer Science and Engineering	6
Civil Engineering	2
Science and Humanities	6
[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
Synthesis and characterization of biopolymer electrolyte based on tamarind seed polysaccharide, lithium perchlorate and ethylene carbonate for electrochemical applications	Mr. L. Sampath Kumar	International Journal of Ionics	2019	48	Builders Engineering College	48
A Manufacturing Inventory Model for Exponentially Increasing Demand with Prese	Mr. T. Sekar	International Journal of Operations Research	2019	1	Builders Engineering College	1

rvation Technology and Shortage						
Impact of Talent Management practices on employee retention - an empirical study in select IT companies with special reference to Chennai	Mr. S. Ravi Shankar	International Journal of Enterprise Network Management	2019	1	Builders Engineering College	1
7:1 Compresser Using MCM Algorithm Based Fir Filter	Mr. U. R ajasekaran	International Journal of Innovative Research in Computer and Communication Engineering	2019	0	Builders Engineering College	Nill
Antenna Designing For 5G Communication	Ms. V. Manimala	International Journal of Innovative Research in Computer and Communication Engineering	2019	0	Builders Engineering College	Nill
Automatic Vehicle Tracking for Public Transport in Samrt Cities	Mr. M. Shanmugham	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2019	0	Builders Engineering College	Nill
Melanoma Detection Using RBFN Algorithm	Ms. G. V ijayakumar i	International Journal of Advanced Research	2019	0	Builders Engineering College	Nill

Title of the Paper	Name of Author	Title of journal	Year of publication		Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Fruit Quality Analysis Using GLCM Algorithm in Image Processing	Ms. G. Vijayakumari	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2019	0	Builders Engineering College	Nill
Milk Products Monitoring System Using PIC Micro Controller	Mr. S. Mahendran	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2019	0	Builders Engineering College	Nill

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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
Milk Products Monitoring System Using PIC Micro Controller	Mr. S. Mahendran	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2019	1	Nill	Builders Engineering College
Fruit Quality Analysis Using GLCM Algorithm in Image Processing	Ms. G. Vijayakumari	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engi	2019	1	Nill	Builders Engineering College

		neering				
Melanoma Detection Using RBFN Algorithm	Ms. G. V ijayakumar i	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2019	1	Nill	Builders Engineering College
Automatic Vehicle Tracking for Public Transport in Smart Cities	Mr. M. Shanmugham	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2019	Nill	Nill	Builders Engineering College
Antenna Designing For 5G Communication	Ms. V. Manimala	International Journal of Innovative Research in Computer and Communication Engineering	2019	1	Nill	Builders Engineering College
7:1 Compresser Using MCM Algorithm Based Fir Filter	Mr. U. R ajasekaran	International Journal of Innovative Research in Computer and Communication Engineering	2019	Nill	Nill	Builders Engineering College
Impact of Talent Management practices on employee retention - an empirical study in select IT companies with	Mr. S. Ravi Shankar	International Journal of Enterprise Network Management	2019	Nill	1	Builders Engineering College

special reference to Chennai						
A Manufacturing Inventory Model for Exponentially Increasing Demand with Preservation Technology and Shortage	Mr. T. Sekar	International Journal of Operations Research	2019	2	1	Builders Engineering College
Synthesis and characterization of biopolymer electrolyte based on tamarind seed polysaccharide, lithium perchlorate and ethylene carbonate for electrochemical applications	Mr. L. Sampath Kumar	International Journal of Ionics	2019	3	48	Builders Engineering College

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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	Nill	18	7	20
Presented papers	21	12	Nill	Nill
Resource persons	Nill	Nill	Nill	2

[View File](#)

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities

Blood donation camp	NSS -BEC/Rainbow blood bank - Karur	3	170
Swachh Bharat Abhiyan	NSS-BEC/Government of India	4	126
Swachh Hi Seva	NSS-BEC/ Government of India	2	60
TB awareness program	NSS-BEC/Department of health and family welfare, Government of Tamilnadu	4	132
Election duty	NSS-BEC/Election Commission	1	54
Kavalan SoS app awareness	NSS-BEC/Department of Police	5	218
Awareness on Child Sexual Abuse	BEC/MBA/Association of Indian Management Schools	2	60
Awareness on Personal Hygiene for Adolescence Girls	BEC/MBA/Association of Indian Management Schools	3	60
Significance of 5s for Tiny Industry	BEC/MBA/Association of Indian Management Schools	2	40
Offering Clothes to Orphanages	BEC/MBA/Association of Indian Management Schools	4	40
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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
Distribution of Booklets to school Headmasters	Award of recognition	Chief Education officer, Erode	20
Awareness on Personal Hygiene for Adolescence Girls	Certificate of Appreciation	Headmaster,Nathak adaiyur school	60
Blood donation camp	Certificate of Appreciation	Rainbow blood bank, Karur	170
Swachh Bharat Abhiyan	Certificate of Appreciation	Panchayat office, Nathakadaiyur	126
Swachh Hi Seva	Certificate of	Panchayat office,	60

	Appreciation	Nathakadaiyur		
TB awareness program	Certificate of Appreciation	Dept. of health and family welfare ,Nathakadaiyur Public health center		132
Kavalan SoS app awareness	Certificate of Appreciation	Department of Police		218
View File				

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Blood donation camp	NSS -BEC/Rainbow blood bank - Karur	Blood donation camp	3	170
Swachh Bharat Abhiyan	NSS-BEC/Govt of India	Cleanliness drive	4	126
Swachh Hi Seva	NSS-BEC/Govt of India	Street cleaning	2	60
Awareness program	NSS-BEC/Department of health and famil welfare, Government of Tamilnadu	TB awareness program	4	132
Election awareness	NSS-BEC/Election Commission	Awareness on voting	1	54
Awareness program	NSS-BEC/Department of Police	Kavalan SoS app awareness	5	218
AIMS National Management Week	BEC/MBA/Association of Indian Management Schools	Awareness on Child Sexual Abuse	2	60
AIMS National Management Week	BEC/MBA/Association of Indian Management Schools	Awareness on Personal Hygiene for Adolescence Girls	3	60
AIMS National Management Week	BEC/MBA/Association of Indian Management Schools	Significance of 5s for Tiny Industry	2	40
AIMS National Management Week	BEC/MBA/Association of	Offering Clothes to	4	40

Indian Management Schools	Orphanages		

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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
BMW Skill Next- Technical skilling Initiative-BMW Engine and transmission unit- Study and analysis of performance	Faculty and students of Mechanical Engineering	BMW India Pvt limited	3650
Taking education further Powered by Ford-1.5L Dragon, Titanium Eco sport vehicle -Demonstration and Performance evaluation	Faculty and students of Mechanical Engineering	Ford India Pvt limited	3650
Solar panel Installation and Study of Solar power generation, Promotion of renewable energy utilization	Faculty and students of Electrical and Electronics Engineering and Electronics and Communication Engineering	Tamilnadu Energy Development Agency	3650
Industry project	34	NIL	120
Industrial Visit	499	NIL	2
Inplant Training	188	NIL	7
Internship	49	NIL	7
Anna university sponsored FDP	Faculty members of Civil Engineering	Anna university	7
FDP on Introduction - Python programming	Mr. J.Sam Suresh AP/ Electronics and Communication Engineering	NIL	2

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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

Industrial Visit	Industrial Visit	M-POWER GLOBAL, BANGLORE	11/01/2019	12/01/2019	54 students 2 faculty
Industrial Visit	Industrial Visit	LUCAS TVS Pvt.Ltd	08/09/2018	08/09/2018	26 students 2 faculty
Industrial Visit	Industrial Visit	VOCON Manufacturing Pvt.Ltd,	29/09/2018	29/09/2018	59 students 2 faculty
Industrial Visit	Industrial Visit	The Hindu Printing Press	19/02/2019	19/02/2019	26 students 2 faculty
Industrial Visit	Industrial Visit	Bull Machines Pvt.Ltd	19/02/2019	19/02/2019	26 students 2 faculty
Industrial Visit	Industrial Visit	ACE Components Electronics(P) Ltd	11/01/2019	12/01/2019	21 students 2 faculty
Industrial Visit	Industrial Visit	The Pandian Engineering Industries	09/02/2019	09/02/2019	20 students 2 faculty
Industrial Visit	Industrial Visit	Kaynes Technology India Pvt Ltd, Mysore	18/01/2019	18/01/2019	54 students 2 faculty
Industrial Visit	Industrial Visit	Leepra Technologies Pvt Ltd, Mysore	18/01/2019	18/01/2019	55 students 2 faculty
Industrial Visit	Industrial Visit	Radio Astronomy Centre, Ooty	18/01/2019	18/01/2019	23 Students + 2 Faculty

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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
GMS ELEGANT BUILDERS INDIA PVT LTD, ERODE	05/09/2018	To propose a Industry ready training,placement and learning activities	16
M/S V.SATHYAMOORTHY CO, NAMAKKAL	07/09/2018	To propose a Industry ready training,placement and learning activities	13
SRI PATHY	04/09/2018	To propose a	21

ASSOCIATES		Industry ready training,placement and learning activities	
S.S.NATARAJAN CO	03/09/2018	To propose a Industry ready training,placement and learning activities	18
RPP INFRA Projects Ltd	03/09/2018	To propose a Industry ready training,placement and learning activities	20
REDHAT	19/09/2018	RHCSA CERTIFICATION	19
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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
80	118

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
View File	

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
CampesiLIB	Fully	6.4.10 MS SQL server	2009

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	28442	11975088	6847	1741701	35289	13716789

Reference Books	946	992907	36	28000	982	1020907
e-Books	4485	Nill	250	Nill	4735	Nill
Journals	706	1606344	205	438445	911	2044789
e-Journals	3504	469150	3504	142780	7008	611930
Digital Database	1	Nill	Nill	Nill	1	Nill
CD & Video	2307	Nill	90	Nill	2397	Nill
Library Automation	1	35000	Nill	6000	1	41000
Weeding (hard & soft)	Nill	Nill	Nill	Nill	Nill	Nill

[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
Ms.G.Vijayakumari, AP/ECE	EE6201-Circuit Theory	College Management System (CMS)	01/02/2019
Ms.V.Ammu, AP/CSE	GE8151-Problem solving and Python Programming	College Management System (CMS)	17/08/2018
Mr.V.Manojpraveen, AP/CSE	CS6401- Operating Systems	College Management System (CMS)	01/02/2019
Dr.G.Suresh, AsP/MBA	BA5104-Legal aspects of business	College Management System (CMS)	17/08/2018
Mr.K.Sivakumar, AP/MBA	BA5204-Human resource management	College Management System (CMS)	20/01/2019
Mr.A.Thirumalaiku maran, AP/MECH	ME8594-Dynamics of machines	College Management System (CMS)	06/12/2018
Mr.M.Mohanraju, AP/MECH	ME8793-Process Planning and cost estimation	College Management System (CMS)	06/12/2018
Mr.P.Nallasamy, AP/Civil	CE6701-Structural Dynamics and Earthquake Engineering	College Management System (CMS)	07/02/2019
Mr.V.Gowrishankar,	CE8301-Strength of materials-I	Content Management System	24/08/2018

AP/Civil		(CMS)	
Dr.S.Saravanan, AsP/EEE	IC6501-Control Systems	Content Management System (CMS)	24/08/2018

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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	1034	17	1034	17	1	13	135	115	0
Added	0	0	0	0	0	0	0	0	0
Total	1034	17	1034	17	1	13	135	115	0

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

115 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
Faculty Video Lectures	https://www.youtube.com/watch?v=jCt2lGsbVB0
Faculty Video Lectures	https://www.youtube.com/watch?v=nbo_vcCKW3Q
Faculty Video Lectures	https://drive.google.com/drive/folders/1wqzlLl8aWor2Xvas2CWD-sX-CaGuVbfI?usp=sharing

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 incurredon maintenance of physical facilites
40	39	60	98

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)

Upkeep of infrastructure The buildings, furniture fittings, lawns, and gardens are properly maintained • Against wear and tear arising out of their use • To prevent damage caused by the vagaries of the weather The institute has dedicated Civil maintenance, Electrical maintenance and General maintenance departments to monitor the maintenance work. Facilities Maintenance The campus is maintained by an exclusive housekeeping department. During class committee meetings, students are asked for their feedback regarding infrastructure

facilities and service. • Every day, class rooms are swept. • Each day, the corridors are wiped clean. • All rest rooms are sanitized and cleaned daily. • Every day, the lawns and gardens are cleaned Civil Maintenance Campus manager is the in-charge for all civil related maintenance. The maintenance operation includes classrooms, seminar halls, tutorial halls, carpet, floors, walls and ceilings, Doors exterior/interior, Windows, Restrooms/Plumbing fixtures (Commode, Lavatories, Urinals, restroom partition, mirrors, exhaust fans), estate facilities such as water tank, Treatment Plant, Mineral Water plant, etc., Building maintenance is comprised of plumbing, painting, carpentry and minor construction. Electrical Maintenance A faculty member 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 that requires regular maintenance. Laboratory Equipment and accessories All equipment in the laboratories are maintained to prevent breakdowns through scheduled preventive maintenance. List of equipment is prepared by the concerned Lab in-charges. Laboratory Technicians / Laboratory in charge in consultation with HoDs prepare a list of maintenance activities to be carried out. Any breakdowns of equipment are attended by the competent professionals or the manufacturer. Fire Extinguisher Fire Extinguisher are provided and placed in different locations of the building for ensuring safety. First Aid Equipment First Aid Equipment is provided to every department and there is a dispensary functioning in the college. A Doctor is nominated who visits during prescribed hours to provide medical treatment. Central Library The BEC library has been built to International Standards with an area of 1400 sq.mts. and has a collection of 28663 books. The BEC library has 911 Journals, Delnet – IESTC, IMC Packages of E-Journals and has a good collection of latest CDs. All the Library functions such as issue, return, renewing, reservation and searching books have been automated. Development of Library collection is based on the needs of users and AICTE/NBA/UGC/NAAC/Anna University Norms. Physical Education To enhance the physical capability of the students, the Institute has brought in various practices apart from core curriculum necessities. For example, the Physical Education Department of Our College has provided a ground for track and field events of about 400m, unique court for Volley Ball, Basket Ball, Ball Badminton, Tennis, Kho-Kho, Kabaddi, Throw ball, Table Tennis, Hand Ball, Cricket and Football. A 16-station fitness center for both boys and girls are also available. Institution has spacious yoga centre with a capacity of 100 participants. Hostel students are given yoga training regularly.

https://builderscollege.edu.in/Downloads/naac/MAINTENANCE_POLICY.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	398	10200000
Financial Support from Other Sources			
a) National	BC, MBC Scholarship, SC/ ST – PMS, First Graduate	1212	17939990
b)International	NIL	Nill	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
Bridge course	06/08/2018	85	Internal Faculties
Bridge course	03/09/2018	85	Internal Faculties
Bridge courses (Orientation)	17/08/2018	27	Internal Faculties of MBA
Aptitude	14/05/2018	47	Training Cell
Remedial coaching for all eligible students	18/09/2018	113	Internal Faculties
E-Box	21/05/2018	47	Training Cell
Teasers of talent management	20/08/2018	27	Mr. K. Siva Kumar, Assistant Professor/MBA, Builders Engineering College
Marketing murmuring	20/08/2018	27	Mr. T. P. Saravanan, Associate Professor Head/MBA, Builders Engineering College
Engaging economics	20/08/2018	27	Ms. P. Nalini, Assistant Professor/MBA, Builders Engineering College
Franky finance	20/08/2018	27	Mr. R. Siva Kumar, Assistant Professor/MBA, Builders Engineering College
View File			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	GATE coaching class	24	Nill	Nill	Nill
2018	Placement training	Nill	269	Nill	269
2018	Programme	352	Nill	Nill	3

Year	Title				
	on "Higher Studies in Abroad"				
2018	How to crack bank IBPS Exams & Mock IBPS	67	Nill	Nill	Nill
2018	A guest lecture on recent innovations in civil engineering	Nill	86	Nill	86
2018	Competitive exam coaching class	3	Nill	3	Nill
2018	Aptitude training	Nill	151	Nill	151
2018	Python training	Nill	5	Nill	5
2018	Career in Indian armed forces	41	Nill	Nill	Nill
[View File](#)					

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nill	Nill	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
48	2016	273	29	1205	27
[View File](#)					

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	BE	Civil Engineering	Kongu Engineering College, Perundurai	ME (Structural Engineering)

2019	1	BE	Civil Engineering	Kongu Engineering College, Perundurai	ME (Structural Engineering)
2019	1	BE	Civil Engineering	Sri Krishna College of Engineering and Technology	MBA
2019	1	BE	Civil Engineering	Sri Ramakrishna Institute of Technology	ME (CEM)
2019	1	BE	Civil Engineering	Bannari Amman Institute of Technology	MBA
2019	1	BE	Civil Engineering	Central University of Tamilnadu	MBA (Tourism and Hospitality)
2019	1	BE	Computer Science and Engineering	Sri Krishna College of Engineering and Technology	MBA
2019	1	BE	Computer Science and Engineering	Builders Engineering College	ME (Computer Science and Engineering)
2019	1	BE	Civil Engineering	Sapienza University of Rome, Italy	MS (Transportation Systems Engineering)
2019	1	BE	Civil Engineering	PSG Institute of Management, Coimbatore	MBA

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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
Any Other	4

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

Activity	Level	Number of Participants
Anchoring	Institutions	5
Mime and skit	Institutions	5

Standup comedy	Institutions		20
Dudsmash and meme	Institutions		11
Photography short film- Pollution Free	Institutions		12
Solo song group song- Pollution Free	Institutions		11
Rangoli-Pollution Free	Institution		19
English essay writing and poem-Pollution Free	Institution		10
Tamil essay writingpoem- Pollution Free	Institution		13
Drawing-Pollution Free	Institutions		16
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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
2018	Athelete - 4th Place	National	1	Nill	73031510 4047	Mr. M. Suresh
2018	Body Building - 3rd Place	National	1	Nill	73031510 3048	Mr. S. P arameswara n
2019	Push Up - 5th Place	National	1	Nill	73031510 3048	Mr. S. P arameswara n
2019	Taekwondo - 3rd Prize	Internat ional	1	Nill	73031510 4006	Mr. Infant Stephen Raj
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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 womens 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?

No

5.4.2 – No. of enrolled Alumni:

478

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1. Why we need to learn VLSI? - On 09.11.2018 at 10.00 am 2. Role of automation in recent Technology. - On 11.01.2019 3. How to improve your job skill? - On15.09.2018 4. Alumni interaction session. - On 17.08.2018 5. Alumni association yearly meet.-On 23.02.2019 (Saturday) at Kalam Auditorium.

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)

The institute has an effective decentralized system of decision making and focussed towards establishing a strong academic background through systematic

and participative teaching learning process. All important decisions and strategies related to academic and non academic activities and tasks are particularly discussed in the Governing council meeting. Institute is marching towards victory, under the guidance of a well-built Governing Council comprises of members from Academics and Non-Academic background. Principal is the main authority of the institute implementing the decisions of Governing Council. He is empowered with the administrative freedom to execute the decisions and strategies pertaining to academic and non academic activities. The recommendations of the Governing council are properly executed by the Principal through the HODs of various departments. Regular meeting is organized by the principal and issues related to academic and non academic activities are discussed and the same will be communicated to all the staff members though their respective HODs. Subsequent meeting is organized with the department staff members by the HODs and all the academic responsibilities are fairly divided among all the faculty members to ensure the proper implementation of strategies of the institute. Various cells and committees are formed and all the curricular, co-curricular, and extracurricular activities are properly executed. This ensures the transparency in policy execution. Interested Faculty members along with the interested students are taking care of the activities of different cells. We set an example that we have built participative management style by cheering our Laboratory in-charges in terms of taking a clever decision in purchase, maintenance, demonstration, service and stock maintenance of Laboratory equipment. Well experienced Staff Members are appointed as the Laboratory in-charges and they have been equipped and encouraged to address the queries raised by the students community as well. Student's ideologies and reflections are properly tracked through various apparatus like Class Committee Meeting, Mentoring System, Post Programme Submissions, Alumni Connect etc., the above strategy was chiefly carried out because we know that Feedback provides an outside perspective so that we can explore our inner space. Necessary actions are carried out for factual comments submitted by the students, by the respective discipline Heads and the Principal. Competency Mapping was productively implemented and the Operational efficacy of the Department was suspiciously scrutinized by the Head respectively.

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	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. The details are given below: • Students for first year and diploma students for second-year UG program are admitted directly through counselling under Government Quota • Students are admitted through TANCET for PG programmes under Government Quota. • Admission for management quota is done as per the procedures of consortium of self-financing professional colleges in Tamil Nadu. • Scholarships are also provided to the

		meritorious students on various schemes
Industry Interaction / Collaboration		The Industry Institute Partnership Cell is intended to be the face of the institute to the industry and bridge the gap between academic and corporate world. Some important activities are: 1. Organized 16 programs during this year by inviting various experts from industry. 2. The institute connects with corporate and enriched the competence of our students through contribution of BMW Engine with transmission unit and FORD left hand drive Ecosport car. 3. Students are encouraged to take up industrial project and internship training 4. MOUs had been signed during this year to enhance the practical exposure of students and faculty.
Human Resource Management		The following are the major activities pertaining to Human Resource Management. • The requirement of teaching and non teaching staff members will be sent to Principal by the HODs every year. An expert committee will scrutinize the application received following advertisement and appoint the personnel required for every department. • Arranging orientation programs to new recruits • Supporting new staff members in getting Faculty ID, University web portal entry and all related documents. • The institute is regularly encouraging the faculty members to undergo training for enhancing their quality of teaching.
Library, ICT and Physical Infrastructure / Instrumentation		The library has been built with an area of 1000 sq.m. It's 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 and NDLI membership. BEC has sufficient infrastructures which includes, seminar halls equipped with projector, Faculty rooms, Meeting rooms, Office, Class rooms, Tutorial rooms, Common rooms, Laboratories equipped with necessary hardware and software, communication Laboratory, Library, Internet and Wi-Fi facility in the entire building.
Research and Development		The institute is motivating the staff

	and students to involve in research and development activities in the following ways: • Subscribing significant e-journals to motivate and facilitate research • Efforts are being taken to obtain research projects, grants from funding agencies. • Providing monetary incentives to the staff and students for presenting research papers in State, National and International level Seminar and Symposium. • Sharing of the revenue generated through consultancy work by the respective consultancy team • Encouraging faculty to enhance their qualification [Ph.D., programme]
Examination and Evaluation	The institute is conducting three internal examinations following the University curriculum. Internal examination cell co-ordinator will conduct the test. Question bank for every subject is prepared and given to the students by the respective faculty members against their respective subjects. At the end of every Internal Examinations, the respective class advisors will upload the marks in Anna university web portal as internal marks. The same marks will be communicated to parents through letter and will be discussed during the parents meeting.
Teaching and Learning	The institute has an inclusive teaching and learning environment which includes • Arranging guest lectures from Industries and Institutions in the emerging field to enable the staff and students to learn new technologies. • Encouraging the learners to ask questions during teaching process in order to clear the doubts while grasping the subject. • Submitting assignments / Innovative works on various topics. • Conducting and participating seminars and presenting papers, provides platform for discussion among the learners. • Experiential learning through case studies, simulation and management games, visiting Industries, Exhibitions, Trade Fairs etc., helps to enhance their knowledge.
Curriculum Development	BEC is affiliated to Anna University Chennai and hence University Syllabus is followed. The institute has a well-established governing council to identify the expectations of the industry. Considering the University

	curriculum and following the suggestions given by the industry experts, different value added courses are offered by institute to meet out the industrial requirements. Value Added Programmes, such as Orientation Program, Outbound Program, Soft skills Communication Training, Hindi Language Teaching etc., has developed intellectual and managerial capabilities of the students in a wide-spread. Institute is having a training and placement cell which offers continuous training program on placement.

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

E-governace area	Details
Planning and Development	ERP System followed and implemented at our institute gives us an apparent path for us in planning our routine academic activities. Some of our regular academic actions supported by our ERP System includes, Attendance Footage, Students Profile, Timetable, Lesson Plan, Internal Exam Schedule, Result Analysis both Internal and University examinations, Students Absentees Report, Grievance Redressal, etc., In the development point of view, our ERP System is playing a major role in connecting Students, Faculty Members and Corporates. This system is playing a major role in eliminating the duplicate tasks, improving the accuracy level in report generation etc., Since most of the manual tasks are eliminated our faculty colleagues are able to assign their valuable time for significant work.
Administration	The e-governance system maintained at a centralized location assists a major support in documenting the Students Information, Faculty Details, Certificates and all other documents. This may eliminate duplicate assignments at various operations. This automotive effective platform helps the administration team in getting the data through cloud computing anywhere, which really enhances our institutional effectiveness. The e-governance system for administration includes General Administration of education programmes, Workload allotment, Guiding Students, Faculty Recruitment, Students Record maintenance, Preparation of Annual

	Report, Review of policies, principles and Practices, Public Relation Tasks, Procurement of office supplies, Consumables etc., Budget Proposal Preparation and Submission, College Development Initiatives Faculty members' Profile, Staff attendance, Service records of employees, Salary calculation etc. All the Circulars, common activities and events organized by the department and college are communicated through our college management system. Student's performances in curricular and extracurricular activities are also communicated to parents.
Finance and Accounts	Financial health of the Institute was effectively maintained by Account Maintenance Software – Tally. Institute's day to day activities like Tuition Fees, Hostel Fees, Mess Fees, Transport Fees, TDS, Purchase, Payroll etc. are perfectly accounted for through Tally. Other operations like Fees Payment follow-ups, Cash Flow Management, Income and Expenditure were also accounted properly through Tally. Appointment of Analytical Experts in the Institute has made a lot of improvements in Operational Efficiencies. Budget reports and Institute expenditures were thoroughly monitored by our Office Analytical Experts. Institute Annual Events and Department Events Budget were collected from the respective in-charges during the commencement of every academic year, Annual Budget proposal will be produced to the Management based on the above raised events budget. The college conducts regular audits to ensure all the financial transactions are properly recorded.
Student Admission and Support	The Administrative department of the Institute is playing an extensive role in Students Admission and Support. Institute updated Website has provided a massive knowledge to the Students about the Academic actions carried out daily at the premises. Our institute has enough facilities to ensure better service to students and parents in filling college application form, answering phone calls, responding to the inquiries, Payment of tuition fees and exam fees, Scholarship form filling, making suitable referrals as

		needed etc., at the administrative department. CMS software ensures transparency in service provided to the students and parents, executes various administrative tasks including data entry, report generation etc., . Institute also extends help to students to monitor the status of scholarships from government and non-government / private organizations.
Examination		Our institute has a separate examination cell with necessary ICT tools to conduct the internal and university examinations. As per the instructions of the controller of examinations, Anna university, Chennai, our exam cell is equipped with all necessary ICT tools with sufficient internet facilities. All university examination related documents are uploaded in university web portal and the exam cell is equipped with printers and copier machines for printing the documents.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Mr. R. Arun	6th National Conference on Networking,Intelligence Computing and presented a Paper Entitled on Web Appication Development for Private Construction	–	250
2019	Mr. A. Satheesh Kumar	Completed Ten Days Course on Redhat Certified System Administrator	ICTACT	2000
2019	Mr. S. Gobinath	Completed Ten Days Course on Redhat Certified System Administrator	ICTACT	2000

2019	Dr. D. Maya	International Conference Titled on Effective online discussion data for teacher's reflective thinking using feature base model	–	300
2019	Mr. R. Sivasankar	Completed Ten Days Course on Redhat Certified System Administrator	ICTACT	2000
2019	Mr. K. Ravikumar	Completed Ten Days Course on Redhat Certified System Administrator	ICTACT	2000
2019	Mr. V. Manoj Praveen	11th National Conference on Trends in Engineering Applications and presented a Paper Entitled on Improve Rating Based Link Quality Routing Model ForWSN	–	250
2019	Mr. M. Shanmugam	National Conference on Networks, Intelligence and Computing Systems	–	350
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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)
2019	Faculty seminar- National	N/A	20/03/2019	20/03/2019	14	Nill

Year			From Date	To Date		
2019	N/A	Testing of 3 phase induction motor and trouble shooting	06/03/2019	06/03/2019	Nill	4
2019	Guest Lecture on OODO ERP	N/A	27/02/2019	27/02/2019	15	Nill
2019	Six days FDP on ANSYS	N/A	04/02/2019	09/02/2019	11	Nill
2018	FDP on Advance Power Electronics and Control	N/A	03/12/2018	08/12/2018	17	Nill
2018	FDTP on CE6022 Earthquake Geotechnical Engineering	N/A	30/11/2018	11/12/2018	25	Nill
2018	FDTP on Softskill Development Program	FDTP on Softskill Development Program	24/09/2018	25/09/2018	21	8
2018	Guest Lecture on Global Startup Programs	N/A	29/08/2018	29/08/2018	11	Nill
2018	Seminar on Advanced Engineering Materials	N/A	28/07/2018	28/07/2018	12	Nill
2019	Communication Skills Training	N/A	20/05/2019	23/05/2019	72	Nill
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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

National Conference on Cutting Edge Innovations in Engineering and Technology	1	15/03/2019	15/03/2019	1
Ten Days Course on Redhat Certified System Administrator	4	20/05/2019	29/05/2019	10
National Conference on Emerging Trends in Engineering Technology	1	16/03/2019	16/03/2019	1
Workshop on National Digital Library of India Club	3	19/03/2019	19/03/2019	1
International Conference on Science, Technology, Engineering and Management	2	22/03/2019	23/03/2019	2
Workshop on Antennas for Modern Wireless and Remote Sensing Applications	1	23/03/2019	23/03/2019	1
Fourth International conference-Smart Energy Handling System Using IOT	1	16/04/2019	16/04/2019	1
Four Weeks Faculty induction program -II	1	22/04/2019	19/05/2019	28
Faculty Development Training Programme- EE8501-Power System Analysis	1	13/05/2019	18/05/2019	6
Six Days FDP on MT6703 - Robotics 7 Machine Vision System	1	20/05/2019	25/05/2019	6

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
4	4	Nill	Nill

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
• The institute is providing financial support for attending conference, seminars and workshops organized by other institutions and professional bodies. • Teaching faculty members are provided with Casual Leave, Medical Leave, and Maternity Leave, Permissions, special permissions and summer and winter vacations. • 50 concession is given to faculty members using college transport services. • Separate system with internet connection is provided for all the faculties to enhance their knowledge • Free Accommodation and food for faculties those who are staying in hostel. • Staff quarters are available in campus. Based on First come First Serve basis, Staff quarters are allotted. • Insurance Policy – Policy Name : Group Personal Accident Insurance All the students, Teaching and Non teaching staff members, Supporting staffs are getting this insurance benefits. • For Faculty Consultancy work and Value added Courses conducted by every department 40:60 ratio is followed to share the fees. • The management appreciates and honours the faculty members producing 100 results in	• Uniforms are provided to non teaching staff members. • Non Teaching faculty members are provided with Casual Leave, Medical Leave, and Maternity Leave, Permissions and summer and winter vacations. • 50 concession is given to faculty members using college transport services • Insurance Policy – Policy Name : Group Personal Accident Insurance All the students, Teaching and Non teaching staff members, Supporting staffs are getting this insurance benefits. • The wards of non teaching faculty members can get some concessions in tuition fees for pursuing their engineering / MBA degree at our institution.	• Insurance Policy – Policy Name : Group Personal Accident Insurance All the students, Teaching and Non teaching staff members, Supporting staffs are getting this insurance benefits. • Meritorious students are admitted by offering special concessions • Sports quota students can get free education and free accommodation facilities at our college • Psychiatrist Dr. E. M Ashok is specially appointed to counsel the students on any personal issues.

every semester during annual day		

6.4 – Financial Management and Resource Mobilization

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

The auditor is appointed by the management team. He regularly visits and conduct audit of our books of accounts. After the completion of audit, the audit report is sent to the Management for review by the auditor. External audit for the academic year 2018-19 was conducted on 31.08.2019 for the period ending on 31.03.2019. 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 filing 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
Nil	0	Nill

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6.4.3 – Total corpus fund generated

17500000

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	Audit Committee
Administrative	Yes	TÜV Rheinland, Coimbatore	Yes	Audit Committee

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

• Every department is organizing a parent meeting in every 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 progress, welfare and grievances of students. • Mentors are regularly contacting the parents to discuss about the academic and non academic performance of students. • Parents are regularly participating the special programs (Annul day, Sports day, Department events etc.,) organized by the college

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

• Training programmes is conducted in order to improve the skill set of supporting staff on soft skills. • Organized a counselling program through Psychiatrist Dr. E. M Ashok to balance the work life to improve physical and mental health of supporting staff. • Participating in NIRF ranking • Various clubs are functioning at the institute to showcase the talents of interested people. • Various consultancy works are offered and supported by support staff

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: • Enough measures have been made to improve the research publications • Suggestion box kept near the Principal office to collect the feedback from the students. • Entrepreneurial development programmes were organized to motivate the students • Solar plant of 200 KW established inside college campus. • Different Club activities are going for making campus Eco friendly. • Improved RO plants for the entire college. • Some of the other eco initiatives are • Installation of Rain Water Harvesting • Campus is Plastic-Polythene free • Tree planting programmes • Village outreach programs • 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
2019	Topic on Redhat Installation by Mr. S. Gobinath	30/05/2019	30/05/2019	30/05/2019	11
2019	Seminar on Importance of ISO by Mr. K Sakthi Vadivel, AP/Mech	29/05/2019	29/05/2019	29/05/2019	12
2019	A motivational talk series for Students Kandeepam Ezhuga	02/05/2019	02/05/2019	02/05/2019	50
2019	Seminar on Academic Audits by Mr. A Thirumalaikumaran, AP/Mech	03/04/2019	03/04/2019	03/04/2019	12
2019	Faculty seminar- National Digital Library of India Club	20/03/2019	20/03/2019	20/03/2019	8
2019	Topic on web	20/03/2019	20/03/2019	20/03/2019	12

2019	technology by Mr. R. Arun				
2019	Unknown facts	12/03/2019	12/03/2019	12/03/2020	8
2019	An awareness programme on Women Empowerment and Self Defence Skills	07/03/2019	07/03/2019	07/03/2019	132
2019	Topic on wireless sensor networks by Mr. V. Manoj Praveen	06/03/2019	06/03/2019	06/03/2019	14
2019	Seminar for non teaching-testing of 3 phase induction motor and trouble shooting	06/03/2019	06/03/2019	06/03/2019	3

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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
Womens Day Celebration	08/03/2019	08/03/2019	255	Nill

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
55

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nill
Provision for lift	No	Nill
Ramp/Rails	Yes	Nill
Braille Software/facilities	No	Nill

Rest Rooms	**Yes**	**Nill**
Scribes for examination	**No**	**Nill**
Special skill development for differently abled students	**No**	**Nill**
Any other similar facility	**No**	**Nill**

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	**1**	**1**	**01/08/2018**	**1**	**Awareness on Child Sexual Abuse**	**Awareness Programme**	**60**
2018	**1**	**1**	**02/08/2018**	**1**	**Awareness on Personal Hygiene for Adolescence Girls**	**Health**	**60**
2018	**1**	**1**	**03/08/2018**	**1**	**Significance of 5s for Tiny Industry**	**Quality Management**	**40**
2018	**1**	**1**	**04/08/2018**	**1**	**Offering Clothes to Orphanages**	**Social Responsibility**	**40**
2018	**1**	**1**	**05/08/2018**	**1**	**Joining Hands with Elders**	**Social Responsibility**	**40**
2018	**1**	**1**	**06/08/2018**	**1**	**Rally on Anti-plastic Awareness**	**Awareness on Pollution**	**310**
2018	**1**	**1**	**06/08/2018**	**1**	**Eye Camp**	**Health**	**96**
2018	**1**	**1**	**07/08/2018**	**1**	**Road Safety**	**Social Responsib**	**42**

| 2019 | 1 | 1 | 20/05/2019 | 2 | Communication Skill Training | Personal development | 60 |

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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	05/06/2018	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 SalwarKameez. • All the staff members are expected to follow the dress code as above • Wearing Identity Card inside the college campus is mandatory. • Incase of violation of above, the employee concerned will be asked for explanation by the concerned HoD and Principal. • Without prior permission from Management no employee can give interview or talk to media about issues related to institutional matters.
Code of conduct for student	05/06/2018	Students are instructed to adhere to the following regulations in Dress code on all the working days including the days of functions, seminars and other activities with the exemptions given to them on particular occasions. For Male students Clean-shaven face. Shirts – Full or Half sleeve shirt. Trousers – Trousers with shirt neatly tucked in. Shoes - Shoe with Socks. For Female students Salwar 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.
Code of conduct for governing body	05/06/2018	• Ensure that the institute is well run, meet the needs for which it has been set up. • Use reasonable care and skill in their work as members of the governing body and must seek professional advice where ever appropriate. • Attend meetings of the governing body and the committees regularly on which they serve, and acquire appropriate knowledge to contribute effectively to decision making. • Make such provisions, as may enable institute to undertake specialized studies with proper provision for laboratories, libraries and equipment. • Take overall responsibility for welfare of the staff and student welfare.
Code of conduct for Principal	05/06/2018	• Principal being the Head of Institute is responsible to the management for all academic, financial and administrative activities. • Reviews current academic progress, collaborative efforts and human resource management. • 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. • Promote institution interaction and research

		development activities. • Maintains the work of faculty members and non-teaching staff prescribed as per the norms issued time to time by the University.
Code of conduct for official, supporting staff	05/06/2018	• Maintains a supportive environment for while performing their assigned duties. • 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. • Manages time effectively. • 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
World Environmental Day	05/06/2018	05/06/2018	132
National Management Week (AIMS)	31/07/2018	31/07/2018	168
Independence Day	15/08/2018	15/08/2018	183
Graduation Day	01/09/2018	01/09/2018	405
Engineer's Day	15/09/2018	15/09/2018	132
National Level Bharathiyar and Republic Day Game	05/12/2018	05/12/2018	459
Republic Day	26/01/2019	26/01/2019	164
Graduation Day	23/03/2019	23/03/2019	511
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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 same can be utilised with in 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 9. Rooftop solar power can efficiently meet our college requirements.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

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

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/7.2.1_Best_Practices_2018_19.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

Institutional Distinctiveness Placement makes a huge impact in the development of the institute through placing the students in well reputed core companies. Institute has made a maximum outreach by Campus Placements and that has resulted in Admissions. Boom of service industry has made a enormous impact to the students in marching towards placements. Career dreams of the students were fulfilled by the Placement Cell of the Institute. Proper counselling and mentoring system of the institute has facilitated the students identify their areas of interest against placements. The Training department of the Institute helps in identifying the recent technological advancements in core and IT

Industries. Industrial requirements were mapped effectively and efficiently through Institutes Placement and Training Cell. Institutes Placement Cell is lead by a well experienced Placement Officer. All placements related actives were driven the Institutes Placement Officer. Institutes Placement Officer is supported by Individual Department wise placement Coordinators. Outstanding rapport created by the Institutes Placement Officer with Industries, helps in repeated Campus Visits. Students nurturing related actions against the placements were conducted by the Placement Cell, for students from their first year on-wards. As suggested by the Principal and the Placement Cell, a separate session is allotted in the time table for placement related training. Placement is offered to the Students only on the basis of their acceptance. Student's acceptance is collected by a separate placement opting form. The exhaustive placement training is offered only to those who have opted for campus recruitment. Institute's MOU with Industries, has made a massive impact in Placements, it has brought many Campus to Corporate connect programmes, Industrial Visits, Internships etc., A great bond between the Institute's Placement Cell and the Industry, students quality are the major motive behind repeated Campus Visits. A competent faculty team is deputed to take care of Training related assistance by the Training Office to train the students for Placements. An assortment of offline related training and online related training were offered to the students to enhance aptitude, mental ability and reasoning skills of the students. Industrial visits and Internship related projects arranged by the Institute are acting as the backbone in setting up the students for placement. Code of Conduct is also one of the chief of Institutes success in Placements. Facilities rendered by the Institute like travel arrangements, on-duty for the students attending both on and off campus drives are also one of the cause behind placement success.

Provide the weblink of the institution
https://builderscollege.edu.in/Downloads/naac/7.3.1_Institutional_Distinctiveness_2018_19.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 internship, 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.