# Yearly Status Report - 2019-2020

| 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. M. S. Senthil Kumar** |
| Phone no/Alternate Phone no. | **04257241935** |
| Mobile no. | **8012184454** |
| 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_2018-19.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_2019-2020.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 |
| **Faculty seminar on GST by Dr. G. Suresh** | **12-Feb-2020**<br>**1** | **43** |

| | | |
|---|---|---|
| Seminar on Why is reading important by Ms. S. Karthika Devi | 10-Jan-2020 1 | 9 |
| Communication Skills Training | 17-Dec-2019 1 | 48 |
| Spoken Hindi Training Class | 05-Dec-2019 1 | 40 |
| Soft Skills Training | 25-Nov-2019 3 | 50 |
| Seminar on Hadoop by Mr. R. Sivasankar | 25-Nov-2019 1 | 9 |
| Faculty seminar on A detailed study on cryptocurrency by Mrs. P. Nalini | 11-Nov-2019 1 | 57 |
| Webinar on Understanding Research: Types of Plagiarism and how to avoid it | 30-Oct-2019 1 | 22 |
| Work Life Balance by Mr. V. Kumar | 24-Oct-2019 1 | 24 |
| Seminar on Time management by Ms. S. Nithyadevi | 22-Oct-2019 1 | 10 |
| [View File](#) | | |

**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

| Institution/Department/Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|---|---|---|---|---|
| NIL | NIL | NIL | 2020 0 | 0 |
| No Files Uploaded !!! | | | | |

| | |
|---|---|
| **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. Slow learners special Coaching Classes, 2. Improved average salary of placed students, 3. Improved pass percentage of students, 4. Improved publications of the faculty members, and 5. Significant contribution made by IQAC towards making green, ecofriendly and solar energy utilised campus

[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 |
|---|---|
| Encouraging faculty members to create eLearning resources | Faculty members were actively created eLearning materials and uploaded in college website and college management system |
| Auditing | Faculty members and administrative staffs actively shown their documents during auditing |
| ICT Tool usage | Encourage faculty members to use the various ICT tools as much as possible in the teaching learning process. |
| Coaching classes for low performers | Low performers students were benefited |
| 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 |
| [View File](#) | |

| | |
|---|---|
| **14. Whether AQAR was placed before statutory body ?** | Yes |

| Name of Statutory Body | Meeting Date |
|---|---|
| Governing Council | 24-Apr-2021 |

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

| | |
|---|---|
| Date of Visit | 12-Aug-2019 |

| | |
|---|---|
| **16. Whether institutional data submitted to AISHE:** | **Yes** |
| Year of Submission | **2020** |
| Date of Submission | **21-Dec-2021** |
| **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),

## Part B

## CRITERION I – CURRICULAR ASPECTS

**1.1 – Curriculum Planning and Implementation**

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

Response: 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/entrepene urship | Skill Development |
|---|---|---|---|---|---|
| Remote Sensing Techniques and GIS | Nil | 02/12/2019 | 6 | Employabil ity | The course will provide exposure to GIS and its |

| | | | | | |
|---|---|---|---|---|---|
| | | | | | practical applications to the students. They can analysis of RS and GIS data and interpret the data for modelling applications. |
| Construction Planning and Scheduling | Nil | 02/12/2019 | 6 | Employability | The student should be able to plan and schedule the construction projects, monitoring and tracking the activities using network techniques. Determine the project cost and control the cost of the project by creating cash flows and a budget. |
| PC Hardware and Networking | Nil | 25/11/2019 | 5 | Employability | Problem analysis, use of judgment and ability to solve problems efficiently. Decision making, critical thinking, organizing and planning effectively. |
| Hybrid Power Converters | Nil | 02/12/2019 | 6 | Employability | Helpful to students for power conversion in various |

| | | | | | power sector application. |
|---|---|---|---|---|---|
| Verilog HDL | Nil | 25/11/2019 | 6 | Employability | After completion of this course, students will be able to write Verilog programs in different styles. |
| Latest trends in Composite Materials | Nil | 02/12/2019 | 6 | Employability | Describe basic concepts of composite materials and application of latest trends composite materials. |
| Banking and Financial Services | Nil | 08/07/2019 | 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 |
|---|---|---|
| Nill | Nil | Nill |
| No file uploaded. | | |

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

| Name of programmes adopting | Programme Specialization | Date of implementation of |
|---|---|---|

| CBCS | | CBCS/Elective Course System |
|---|---|---|
| BE | Civil Engineering | 24/06/2019 |
| BE | Computer Science and Engineering | 24/06/2019 |
| BE | Electronic and Communication Engineering | 24/06/2019 |
| BE | Electrical and Electronics Engineering | 24/06/2019 |
| BE | Mechanical Engineering | 24/06/2019 |
| ME | Structural Engineering | 01/07/2019 |
| ME | Construction Engineering and Management | 01/07/2019 |
| ME | Computer Science and Engineering | 01/07/2019 |
| MBA | Master of Business Administration | 01/07/2019 |

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

| | Certificate | Diploma Course |
|---|---|---|
| Number of Students | 205 | 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 |
|---|---|---|
| AutoCAD | 08/07/2019 | 22 |
| REVIT Architecture | 15/07/2019 | 24 |
| STADD PRO | 07/01/2020 | 23 |
| Python Basics | 25/11/2019 | 35 |
| Java (Fullstack) | 02/12/2019 | 35 |
| R-Language | 02/12/2019 | 1 |
| Communication Networks | 02/12/2019 | 3 |
| Laser Instrumentation | 02/12/2019 | 20 |
| Nanomaterials and Sensors | 25/11/2019 | 45 |
| Introduction to IoT | 25/11/2019 | 20 |
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1.3.2 – Field Projects / Internships under taken during the year

| Project/Programme Title | Programme Specialization | No. of students enrolled for Field Projects / Internships |
|---|---|---|
| BE | Civil Engineering | 94 |
| BE | Mechanical Engineering | 55 |
| BE | Computer Science and Engineering | 62 |

| BE | Electrical and Electronics Engineering | 22 |
|---|---|---|
| BE | Electronic and Communication | 60 |
| ME | Computer Science and Engineering | 1 |
| ME | Construction Engineering and Management | 8 |
| ME | Structural Engineering | 4 |
| MBA | Master of Business Administration | 65 |

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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 | 49 | 49 |
| BE | Computer Science and Engineering | 60 | 56 | 54 |
| BE | Mechanical Engineering | 60 | 26 | 26 |
| BE | Electronic and Communication | 60 | 48 | 48 |
| BE | Electrical and Electronics Engineering | 60 | 27 | 27 |
| ME | Construction Engineering and Management | 24 | 11 | 11 |
| ME | Structural Engineering | 24 | 7 | 7 |
| ME | Computer Science and Engineering | 24 | 1 | 1 |
| MBA | Master of Business Administration | 60 | 39 | 39 |
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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 |
| --- | --- | --- | --- | --- | --- |
| 2019 | 819 | 97 | 88 | 14 | 18 |

## 2.3 – Teaching - Learning Process

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

| Number of Teachers on Roll | Number of teachers using ICT (LMS, e-Resources) | ICT Tools and resources available | Number of ICT enabled Classrooms | Numberof smart classrooms | E-resources and techniques used |
| --- | --- | --- | --- | --- | --- |
| 120 | 120 | 21 | 43 | 1 | 10509 |
| View File of ICT Tools and resources | | | | | |
| View File of E-resources and techniques used | | | | | |

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

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 counseling 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 |
| --- | --- | --- |
| 916 | 120 | 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 |
| --- | --- | --- | --- | --- |
| 120 | 111 | 9 | 9 | 14 |

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 |
| --- | --- | --- | --- |
| 2020 | Mr. Gowrishankar V | Assistant Professor | NPTEL – Swayam -Completed - Certificate |
| 2020 | Mr. Nallasamy P | Assistant Professor | NPTEL – Swayam -Completed - Certificate |
| 2020 | Mr Ravi S | Associate Professor | NPTEL – Swayam -Completed - Certificate |
| 2020 | Ms Manimala S | Assistant Professor | NPTEL – Swayam -Completed - Certificate |
| 2020 | Mr | Assistant | NPTEL – Swayam |

| | Thirumalikumaran A | Professor | -Completed - Certificate |
|---|---|---|---|
| 2020 | Ms Hema Malini S | Assistant Professor | NPTEL – Swayam -Completed - Certificate |
| 2020 | Ms Karthika Devi S | Assistant Professor | NPTEL – Swayam -Completed - Certificate |
| 2020 | Mr Sampath Kumar L | Assistant Professor | NPTEL – Swayam -Completed - 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 |
|---|---|---|---|---|
| BE | 103,104,106,105,114 | I/1 year | 20/11/2019 | 28/01/2020 |
| BE | 103,104,106,105,114 | III/2 year, V/3 year, VII/4 year | 19/10/2019 | 28/01/2020 |
| MBA | 631 | III/ 2 year | 19/10/2019 | 28/01/2020 |
| ME | 413,418 ,405 | III/ 2 year | 19/10/2019 | 28/01/2020 |
| ME | 413,418 ,405 | I/ 1 year | 14/12/2019 | 28/01/2020 |
| MBA | 631 | I/ 1 year | 14/12/2019 | 28/01/2020 |
| BE | 103,104, 106,105,114 | IV/2 year, VI/3 year | 29/04/2020 | 15/08/2020 |
| BE | 103,104, 106,105,114 | VIII/4 year | 27/03/2020 | 15/08/2020 |
| BE | 103,104, 106,105,114 | II/1 year | 29/04/2020 | 15/08/2020 |
| ME | 413,418,405 | IV/2 year | 27/03/2020 | 15/08/2020 |

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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)

https://builderscollege.edu.in/Downloads/naac/2.6.1-2019-2020.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 |
|---|---|---|---|---|---|
| 103 | BE | Civil Engineering | 93 | 92 | 100.00 |
| 104 | BE | Computer Science and Engineering | 62 | 62 | 100.00 |
| 105 | BE | Electrical and Electronics Engineering | 22 | 22 | 100.00 |
| 106 | BE | Electronic and Communication | 60 | 60 | 100.00 |
| 114 | BE | Mechanical Engineering | 55 | 54 | 98.18 |
| 405 | ME | Computer Science and Engineering | 1 | 1 | 100.00 |
| 413 | ME | Construction Engineering and Management | 6 | 6 | 100.00 |

| 418 | ME | Structural Engineering | 4 | 4 | 100.00 |
| 631 | MBA | Master of Business Administration | 27 | 26 | 96.29 |
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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-2019-2020.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 |
| --- | --- | --- | --- | --- |
| Industry sponsored Projects | 351 | Enthu Technology Solutions India Private Limited, Coimbatore | 0.5 | 0.5 |
| Industry sponsored Projects | 345 | SSS Engineers | 0.19 | 0.19 |
| Industry sponsored Projects | 332 | GMS Elegant Builders (I) PVT LTD | 1 | 1 |
| Industry sponsored Projects | 114 | URC Construction, Erode | 2 | 2 |
| Industry sponsored Projects | 315 | Surya Industries, Kasipalayam | 1 | 1 |
| Industry sponsored Projects | 115 | SBNA Technologies, Coimbatore | 0.4 | 0.4 |
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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 |
| --- | --- | --- |
| Seminar on Structural Analysis | Civil Engineering | 27/08/2019 |
| Seminar on Tekla BIM software | Civil Engineering | 18/09/2019 |
| A guest lecture on Skills for Civil Engineers | Civil Engineering | 13/08/2019 |

| | | |
|---|---|---|
| Bliltz'20 | Computer Science and Engineering | 11/03/2020 |
| Webinar on Understanding Research: Types of Plagiarism and how to avoid it | Electronics and Communication Engineering | 30/10/2019 |
| Two Day training Programming on MATLAB CODING | Electronics and Communication Engineering | 26/02/2020 |
| Webinar on Emerging Trends in Design of Sensors for Automation | Electrical and Electronics Engineering | 25/05/2020 |
| ELECTROFEST- 2K20- A National Level Technical Symposium - Recent Trends in Electrical Engineering. | Electrical and Electronics Engineering | 12/03/2020 |
| Faculty seminar-Research Opportunities in Emerging Areas of Electrical Engineering | Electrical and Electronics Engineering | 20/02/2020 |
| Workshop on Power Electronics Circuit Design | Electrical and Electronics Engineering | 28/09/2019 |
| Guest Lecture on Renewable Energy Resources | Electrical and Electronics Engineering | 31/08/2019 |
| Guest Lecture on Future of Research Projects | Electrical and Electronics Engineering | 13/07/2019 |
| Way of Survival for Engineers | Mechanical Engineering | 27/07/2019 |
| Special Guest lecture on Aerospace Engineering | Mechanical Engineering | 31/08/2019 |
| Emissions in Diesel Engines Trends, Challenges Future Opportunities | Mechanical Engineering | 28/09/2019 |
| Job opportunity in Banking Sectors | Mechanical Engineering | 28/09/2019 |
| Opportunity in Entrepreneurship | Mechanical Engineering | 13/03/2020 |
| Recent Trends in Automobiles | Mechanical Engineering | 13/03/2020 |
| Academic Dais-Union Budget 2020 - A Discussion | Master of Business Administration | 17/02/2020 |
| Corporate Dais-Careers in FMCG FMCD Industries | Master of Business Administration | 25/01/2020 |
| Corporate Dais-Corporate Expectations from MBAs | Master of Business Administration | 25/11/2019 |

| Academic Dais-Implications of Macro Economics in our Economy | Master of Business Administration | 11/11/2019 |
|---|---|---|
| Corporate Dais-Investment Opportunities in Stock Market | Master of Business Administration | 08/11/2019 |
| Corporate Dais-Branding Yourself | Master of Business Administration | 21/10/2019 |
| Corporate Dais-Acquiring Proficiency in Communication to become better Managers | Master of Business Administration | 20/08/2019 |
| Corporate Dais-Impact of HRM on Organizational Performance | Master of Business Administration | 27/07/2019 |

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 |
|---|---|---|---|---|
| Bharath Formula Karting | Mechanical Engineering Students | CADD Technologies School Of Design, Coimbatore. | 15/09/2019 | Best Engineering Design Award with cash prize of Rs.5000 |
| Bharath Formula Karting | Mechanical Engineering Students | CADD Technologies School Of Design, Coimbatore. | 15/09/2019 | Students received cash prize of Rs.10000 |
| NPTEL - Elite-IC Engine and Gas Turbines | Mr. S. Ravi | NPTEL SWAYAM | 30/04/2020 | Online Course |
| NPTEL - Maintenance and Repair of Concrete Structures | Mr. P. Nallasamy | NPTEL SWAYAM | 30/04/2020 | Online Course |
| NPTEL - Effective Engineering Teaching in Practice | Mr. V. Gowrishankar | NPTEL SWAYAM | 29/02/2020 | Online Course |
| NLOPC - 2020 | Mr. N. Gokul | VLS Media Awards | 14/03/2020 | The Elegant Photo of the Year 2020 |
| Weluverode | Mr. N. Gokul | Suriyan FM | 13/03/2020 | Award - Solar Lamp |
| 19th ISTE TN SectionAnnual Convention of Engineering Students 2019 | Mr. S. P. Devaraja | ISTE Chapter, Tamil Nadu Section | 18/12/2019 | Best Student Award |
| NPTEL - | Mr. A.Thiruma | NPTEL SWAYAM | 31/03/2020 | Online Course |

| Materials Science and Engineering - IIT Roorkey | laikumaran | | | | |
|---|---|---|---|---|---|
| NPTEL - Microwave Integrated Circuits | Ms. V. Manimala | NPTEL SWAYAM | 30/04/2020 | 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 | 8 | 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 |
|---|---|
| Mechanical Engineering | 1 |
| Science and Humanities | 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 | Electronics and Communication Engineering | 9 | 0 |
| International | Science and Humanities | 5 | 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 |
|---|---|
| Computer Science and Engineering | 1 |
| Electronics and Communication Engineering | 28 |
| Mechanical Engineering | 3 |

[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 | Number of citations excluding self |
|---|---|---|---|---|---|---|

| | | | | | the publication | citation |
|---|---|---|---|---|---|---|
| Effective Management of Food Wastage System Using IoT | Mr. S. Mahendran | International Journal of Advanced Science and Engineering Research | 2020 | 0 | Builders Engineering College | Nill |
| Smart Grid Energy Management System | Mr. S. Mahendran | International Journal of Advanced Science and Engineering Research | 2020 | 0 | Builders Engineering College | Nill |
| Web Server Based Turmeric Plant Leaf Disease Identification Using Support Vector Machine Classifier Technique | Mr. T. Velmurugan | International Journal of Advanced Science and Engineering Research | 2020 | 0 | Builders Engineering College | Nill |
| Secure and Efficient Routing for Malicious Node Detection and Prevention in MANET | Mr. S. D. Vijayakumar | International Journal of Advanced Science and Engineering Research | 2020 | 0 | Builders Engineering College | Nill |
| Real Time Implementation of AutomaticIrrigation System with Solar Energy Operated Motor Using GSM | Mr. U. R ajasekaran | International Journal of Advanced Science and Engineering Research | 2020 | 0 | Builders Engineering College | Nill |
| Early Detection of Melanoma | Mr. M. Prakash | International Journal of Advanced | 2020 | 0 | Builders Engineering College | Nill |

| | | | | | | |
|---|---|---|---|---|---|---|
| Skin Cancer Using Hybrid Classifier | | Science and Engineering Research | | | | |
| Advanced ATM Theft Control System | Ms. G. Vijayakumari | International Journal of Advanced Science and Engineering Research | 2020 | 0 | Builders Engineering College | Nill |
| Under Ground Water Pipeline Management and Leakage Locator | Mr. R. Praveen Kumar | International Journal of Advanced Science and Engineering Research | 2020 | 0 | Builders Engineering College | Nill |
| Automatic Monitoring and Controlling of Wagter Supply from Source water to Storage Tank Based on Water TDS value Using IoT | Mr. V. Kumar | International Journal of Advanced Science and Engineering Research | 2020 | 0 | Builders Engineering College | Nill |
| Impact of lithium triflate salt on tamarind seed polysaccharide based natural solid biopolymer electrolyte for application in electrochemical device | Mr. L . Sampathkumar | Polymer Bulletin | 2020 | 3 | Builders Engineering College | 3 |
| View File | | | | | | |

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

| Title of the Paper | Name of Author | Title of journal | Year of publication | h-index | Number of citations excluding self citation | Institutional affiliation as mentioned in the publication |
|---|---|---|---|---|---|---|
| Impact of lithium triflate salt on tamarind seed polysaccharide based natural solid biopolymer electrolyte for application in electrochemical device | Mr. L . Sampathkumar | Polymer Bulletin | 2020 | 2 | 3 | Builders Engineering College |
| Automatic Monitoring and Controlling of Wagter Supply from Source water to Storage Tank Based on Water TDS value Using IoT | Mr. V. Kumar | International Journal of Advanced Science and Engineering Research | 2020 | Nill | Nill | Builders Engineering College |
| Under Ground Water Pipeline Management and Leakage Locator | Mr. R. Praveen kumar | International Journal of Advanced Science and Engineering Research | 2020 | Nill | Nill | Builders Engineering College |
| Advanced ATM Theft Control System | Ms. G. Vijayakumari | International Journal of Advanced Science and Engineering Research | 2020 | 1 | Nill | Builders Engineering College |
| Early Detection of Melanoma | Mr. M. Prakash | International Journal of Advanced | 2020 | 2 | Nill | Builders Engineering College |

| | | | | | | |
|---|---|---|---|---|---|---|
| Skin Cancer Using Hybrid Classifier | | Science and Engineering Research | | | | |
| Real Time Implementation of AutomaticIrrigation System with Solar Energy Operated Motor Using GSM | Mr. U. Rajasekaran | International Journal of Advanced Science and Engineering Research | 2020 | Nill | Nill | Builders Engineering College |
| Secure and Efficient Routing for Malicious Node Detection and Prevention in MANET | Mr. S. D. Vijayakumar | International Journal of Advanced Science and Engineering Research | 2020 | Nill | Nill | Builders Engineering College |
| Web Server Based Turmeric Plant Leaf Disease Identification Using Support Vector Machine Classifier Technique | Mr. T. Velmurugan | International Journal of Advanced Science and Engineering Research | 2020 | Nill | Nill | Builders Engineering College |
| Smart Grid Energy Management System | Mr. S. Mahendran | International Journal of Advanced Science and Engineering Research | 2020 | 1 | Nill | Builders Engineering College |
| Effective Management of Food Wastage System Using IoT | Mr. S. Mahendran | International Journal of Advanced Science and Engineering Research | 2020 | 1 | Nill | Builders Engineering College |

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

| Number of Faculty | International | National | State | Local |
|---|---|---|---|---|
| Attended/Seminars/Workshops | 2 | 39 | 49 | 24 |
| Presented papers | 18 | 17 | Nill | Nill |
| Resource persons | Nill | Nill | Nill | 4 |

## 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 |
|---|---|---|---|
| Jal Shakthi Abhiyan | NSS/BEC,District Administration Central Water Board | 15 | 621 |
| Blood donation camp | NSS/BEC,Lions Club of Erode Supreme | 5 | 34 |
| Free Medical Camp | NSS/BEC,Vasan Eye Care Tiruppur, AMC Hospital Tiruppur and Saravana Medical Center Kangayam | 10 | 252 |
| One Student One Tree | NSS/BEC,MHRD, AICTE Anna University | 7 | 171 |
| Helmet Awareness Rally | NSS/BEC,Police Department - Kangayam | 12 | 81 |
| Tree Plantation | NSS/BEC,Team Green India - NGO America | 10 | 54 |
| Tree Plantation | NSS/BEC,Team Green India - NGO America | 8 | 72 |
| Neem Seed Sowing | NSS/BEC,Olirum Erode Foundation | 15 | 122 |

**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 |
|---|---|---|---|
| | | | |

| | | | |
|---|---|---|---|
| Jal Shakthi Abhiyan | Certificate of Appreciation | District Administration Central Water Board | 621 |
| Blood donation camp | Certificate of Appreciation | Lions Club of Erode Supreme | 34 |
| Free Medical Camp | Certificate of Appreciation | Vasan Eye Care Tiruppur | 252 |
| Helmet Awareness Rally | Certificate of Appreciation | Police Department - Kangayam | 81 |
| Tree Plantation | Certificate of Appreciation | Team Green India - NGO America | 54 |
| Tree Plantation | Certificate of Appreciation | Team Green India - NGO America | 72 |
| Neem Seed Sowing | Certificate of Appreciation | Olirum Erode Foundation | 122 |
| Volunteering for temple function | Certificate of Recognition and Appreciation | Selvakumarasamy temple,Muthur | 45 |
| Conducting Cultural events for school students | Award of recognition | Panchayat Union Primary school,Nath akadaiyur | 27 |

[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 |
|---|---|---|---|---|
| Jal Shakthi Abhiyan | NSS/BEC,District Administration Central Water Board | Rain water harvesting awareness- Importance of saving water | 15 | 621 |
| Blood donation camp | NSS/BEC,Lions Club of Erode Supreme | Blood donation camp | 5 | 34 |
| Free Medical Camp | NSS/BEC,Vasan Eye Care Tiruppur, AMC Hospital Tiruppur and Saravana Medical Center Kangayam | Health check up to Public and students | 10 | 252 |
| One Student One Tree | NSS/BEC,MHRD, AICTE Anna University | Tree plantation Program in and around college campus | 7 | 171 |
| Awarrness Program | NSS/BEC,Police | Helmet Awarrness Rally- | 12 | 81 |

| | Department - Kangayam | Awareness on safe riding | | |
|---|---|---|---|---|
| Tree Plantation | NSS/BEC,Team Green India - NGO America | Tree Plantation-Social awareness | 10 | 54 |
| Tree Plantation | NSS/BEC,Team Green India - NGO America | Tree Plantation-Social awareness | 8 | 72 |
| Neem Seed Sowing | NSS/BEC,Olirum Erode Foundation | Neem Seed Sowing-Awareness on Benefits of native trees | 15 | 122 |
| View File | | | | |

### 3.5 – Collaborations

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

| Nature of activity | Participant | Source of financial support | Duration |
|---|---|---|---|
| Industrial visit | 522 | NIL | 2 |
| In-plant Training | 133 | NIL | 1 |
| Industry Project | 27 | NIL | 6 |
| Value Added Courses | 37 | NIL | 5 |
| Student Internship | 41 | NIL | 5 |
| FDP on Recent Trends of Power Electronics and Control. | Mrs.R.Saranya AP/ Electrical and Electronics Engineering | NIL | 5 |
| FDP Role of IoT,Embedded,Electric vehicle Power Electronic converters for smart world | Ms.M.Yuvarani AP/ Electrical and Electronics Engineering | NIL | 5 |
| FDP on Cutting-Edge Technologies for Electrical Engineering. | Mrs.R.Saranya AP/ Electrical and Electronics Engineering | NIL | 5 |
| FDP on Role of IoT,Embedded ,Electric Vehicle Power Electronic Converter for smart world (FDP State level) | Mrs.R.Saranya AP/ Electrical and Electronics Engineering | NIL | 5 |
| FDP Recent Trends in Power Electronics and control (RTPEC2020) | Ms.M.Yuvarani AP/ Electrical and Electronics Engineering | NIL | 5 |
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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 |
|---|---|---|---|---|---|
| Inplant Training | Inplant Training | Best Builders,Perundurai. | 27/05/2019 | 07/06/2019 | SHRI VISHNU D |
| Inplant Training | Inplant Training | S.S.Natarajan Co, Erode | 03/06/2019 | 14/06/2019 | LOGHASH K S |
| Inplant Training | Inplant Training | S.S.Natarajan Co, Erode | 03/06/2019 | 14/06/2019 | DHARUNKUMAR S |
| Inplant Training | Inplant Training | Arcus Associates,Erode. | 26/11/2019 | 06/12/2019 | ASHWANTHRAMA A M |
| Inplant Training | Inplant Training | S.S.Natarajan Co, Erode | 26/11/2019 | 30/11/2019 | DHARUNKUMAR S |
| Inplant Training | Inplant Training | TRAINING TRAINS - ERODE | 11/06/2019 | 15/06/2019 | INFANT STEPHEN RAJ B |
| Inplant Training | Inplant Training | TRAINING TRAINS - ERODE | 11/06/2019 | 15/06/2019 | JANAKI N |
| Inplant Training | Inplant Training | TRAINING TRAINS - ERODE | 11/06/2019 | 15/06/2019 | KAVIN KUMAR P |
| Inplant Training | Inplant Training | TRAINING TRAINS - ERODE | 11/06/2019 | 15/06/2019 | LOGAPRIYA S |
| Inplant Training | Inplant Training | TRAINING TRAINS - ERODE | 11/06/2019 | 15/06/2019 | METHULA P |
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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 |
|---|---|---|---|
| Caliber Embedded Technologies India Pvt.Ltd., | 13/07/2019 | To propose a Industry ready training,placement and learning Research activities | 21 |
| View File ||||

# CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

## 4.1 – Physical Facilities

### 4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

| Budget allocated for infrastructure augmentation | Budget utilized for infrastructure development |
|---|---|
| 20.6 | 19.76 |

### 4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities | Existing or Newly Added |
|---|---|
| Classrooms with Wi-Fi OR LAN | Existing |
| Seminar halls with ICT facilities | Existing |
| Campus Area | Existing |
| Class rooms | Existing |
| Laboratories | Existing |
| Seminar Halls | Existing |
| Classrooms with LCD facilities | Existing |
| Video Centre | Existing |
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## 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 | 35289 | 13716789 | 3118 | 815372 | 38407 | 14532161 |
| Reference Books | 982 | 1026249 | Nill | Nill | 982 | 1026249 |
| e-Books | 4735 | Nill | 255 | Nill | 4990 | Nill |
| Journals | 911 | 2044789 | 12 | 26060 | 923 | 2070849 |
| e-Journals | 3504 | 611930 | Nill | Nill | 3504 | 611930 |
| Digital Database | 1 | Nill | Nill | Nill | 1 | Nill |
| CD & Video | 2397 | Nill | 91 | Nill | 2488 | Nill |
| Library Automation | 1 | 41000 | Nill | Nill | 1 | 41000 |
| Weeding (hard & soft) | Nill | Nill | Nill | Nill | Nill | Nill |

| Others(specify) | 9808 | 181630 | 2014 | 14927 | 11822 | 196557 |
|---|---|---|---|---|---|---|

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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 |
|---|---|---|---|
| Dr.C.Karthikeyan, AsP/Mathematics | MA8251-Engineering Mathematics-II | College Management System (CMS) | 18/01/2020 |
| Dr.C.Karthikeyan, AsP/Mathematics | MA8551-Algebra and Number Theory | College Management System (CMS) | 08/12/2019 |
| Mr.K.Sivakumar, AP/MBA | BA5012-Security analysis and portfolio management | College Management System (CMS) | 08/11/2019 |
| Dr.S.Ravishankar, AP/MBA | BA5207-Marketing Management | College Management System (CMS) | 01/05/2020 |
| Ms. D.Nithya, AP/Civil | GE8292 - Engineering Mechanics | College Management System (CMS) | 01/06/2020 |
| Dr.S.Saravanan, AsP/EEE | EE8501-Power System Analysis | College Management System (CMS) | 08/12/2019 |
| Mr.S.D.Vijayakumar, AP/ECE | EC8702-Adhoc and wireless sensor network | College Management System (CMS) | 13/08/2019 |
| Mr.M.Prakash, AP/ECE | EE8351-Digital Logic Circuits | College Management System (CMS) | 08/12/2019 |
| Mr.S.Gopinath, AP/CSE | CS8592-Object Oriented Analysis and Design | College Management System (CMS) | 08/11/2019 |
| Mr.A.Satheesh Kumar, AP/CSE | CS8602-Compiler Design | College Management System (CMS) | 08/01/2020 |

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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 |
|---|---|---|---|
| **40.2** | **39.05** | **90.7** | **82.3** |

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. It has a collection of books, Journals, Delnet – IESTC, IMC Packages of E-Journals and 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 | 624 | 22121150 |
| Financial Support from Other Sources |  |  |  |
| a) National | BCMBC Scholarship, SC/ ST – PMS, First Graduate | 950 | 14905930 |
| b)International | NIL | Nill | 0 |
| View File | | | |

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

| Name of the capability enhancement scheme | Date of implemetation | Number of students enrolled | Agencies involved |
| --- | --- | --- | --- |
| Management Concepts through Bollywood | 14/09/2019 | 40 | Prof.P.Nalini, Assistant Professor/MBA, Builders Engineering College |
| Soft Skills Training | 25/11/2019 | 62 | BEC Internal Faculty |
| A guest lecture on Skills for Civil Engineers | 13/08/2019 | 177 | Er.N.Bala Kumar, CEO, RCCL Expressway, Dharapuram |

| | | | |
|---|---|---|---|
| Inaugural Function of Various Skill Development Clubs of BEC VARNAM | 22/06/2019 | 70 | BEC Internal Faculty Mr. Raja, Kovai Ragashri Orchestra |
| Bridge Courses (Orientation) | 12/09/2019 | 40 | Internal Faculties of MBA-BEC |
| Franky Finance | 12/09/2019 | 40 | Prof.R.Siva Kumar, Assistant Professor/MBA, Builders Engineering College |
| Engaging Economics | 12/09/2019 | 40 | Prof.P.Nalini, Assistant Professor/MBA, Builders Engineering College |
| Branding Yourself - Corpreneur | 13/09/2019 | 40 | Thiru D.Velumani, Corporate Trainer, Dream Factory, Erode |
| Communication Etiquettes | 13/09/2019 | 40 | Dr.S.Ravi Shankar, Assistant Professor/MBA, Builders Engineering College |
| Teasers of Quality Management | 13/09/2019 | 40 | Prof.K.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 |
|---|---|---|---|---|---|
| 2019 | GATE Coaching | 7 | Nill | Nill | Nill |
| 2019 | A special lecture on Emerging Trends and Opportunities in Civil Engineering Sector | 123 | Nill | Nill | 123 |
| 2019 | Competitive | 57 | Nill | 5 | 5 |

| | Exam Coaching Class | | | | |
|---|---|---|---|---|---|
| 2019 | Placement Training | 210 | Nill | Nill | 210 |
| 2019 | Motivational speech by Pavankumar Giritaranayyanavar IAS Sub-Collector Dharapuram | 72 | Nill | Nill | 72 |
| 2019 | Career & Personal counselling | Nill | 43 | Nill | 43 |
| 2019 | Seminar on Tally & GST (career counselling) | Nill | 27 | Nill | 27 |
| 2019 | C++ Training | Nill | 106 | Nill | 106 |
| 2019 | Python Training | Nill | 35 | Nill | 35 |
| 2019 | Aptitude Training | Nill | 106 | Nill | 106 |

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

| Total grievances received | Number of grievances redressed | Avg. number of days for grievance redressal |
|---|---|---|
| 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 |
| 38 | 1530 | 215 | 46 | 1415 | 32 |

[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 |
|---|---|---|---|---|---|
| 2020 | 1 | BE | Civil Engineering | PSG Institute of Management, | MBA |

| | | | | Coimbatore | |
|---|---|---|---|---|---|
| 2020 | 1 | BE | Computer Science and Engineering | Sri Krishna College of Engineering and Technology | MBA |
| 2020 | 1 | BE | Computer Science and Engineering | Builders Engineering College | ME (Computer Science and Engineering) |
| 2020 | 1 | BE | Civil Engineering | Anna University-A.C.T Campus | M.Tech(Industrial Safety Hazards Management0 |
| 2020 | 2 | BE | Civil Engineering | Kongu Engineering College, Perundurai | ME (Structural Engineering) |
| 2020 | 1 | BE | Civil Engineering | Sri Krishna College of Engineering and Technology | MBA |
| 2020 | 1 | BE | Civil Engineering | Sri Ramakrishna Institute of Technology | ME (CEM) |
| 2020 | 1 | BE | Civil Engineering | Bannari Amman Institute of Technology | MBA |
| 2020 | 1 | BE | Civil Engineering | Central University of Tamilnadu | MBA (Tourism and Hospitality) |
| 2020 | 1 | BE | Civil Engineering | Sapienza University of Rome, Italy | MS (Transportation Systems Engineering) |

[View File](#)

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

| Items | Number of students selected/ qualifying |
|---|---|
| Any Other | 6 |

[View File](#)

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

| Activity | Level | Number of Participants |
|---|---|---|
| Competition | Institution | 52 |

| Cultural | Institution | 92 |
| Sports | Institution | 70 |
| View File | | |

## 5.3 – Student Participation and Activities

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

| Year | Name of the award/medal | National/ Internaional | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
| --- | --- | --- | --- | --- | --- | --- |
| 2019 | 4th Place, Fencing, Junior National Fencing Championship 2019, Tirunelveli | National | 1 | Nill | 73031510 3049 | Mr.R.Pra vinkumar |
| 2019 | 1st Place, Shot Put, AU-ZONE 12 | National | 1 | Nill | 73031510 4047 | Mr.M.Sur esh |
| 2019 | 3rd Place, Discus Throw, AU- ZONE 12 | National | 1 | Nill | 73031510 4047 | Mr.M.Sur esh |
| 2019 | 1st Place, Shot Put, Junior State Athletics Championsh ip | National | 1 | Nill | 73031510 4047 | Mr.M.Sur esh |
| 2019 | 3rd Place, Junior State Fencing Ch ampionship 2019, Tirupur | National | 1 | Nill | 73031510 3049 | Mr.R.Pra vinkumar |
| 2019 | 3rd Place, Senior State Fencing Ch ampionship 2019, Madurai | National | 1 | Nill | 73031510 3049 | Mr.R.Pra vinkumar |
| 2019 | ISTE | National | 1 | Nill | 73031610 | Mr.S.P.D |

| | | | | | | 6012 | eva Raja |
|---|---|---|---|---|---|---|---|
| Students Chapter 2019- Best Student Award. | | | | | | | |

[View File](#)

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, and 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:

| 332 |
| --- |

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

| 0 |
| --- |

5.4.4 – Meetings/activities organized by Alumni Association :

Yearly Alumini Association Meeting on 01.02.2020(Saturday) at Kalam Auditorium, Builders Engineering College Builders Engineering College - Alumni Association Alumni Association has been actively engaged during the academic year 2019-20 for the welfare of the students, college and society. Students can become the members after course completion by registering in our alumni web portal http://erp.builderscollege.edu.in:2656/cms/alumni/login. Alumni across the globe have an opportunity to connect with people on a global scale to explore technically or socially as well as to keep in touch with the college and among them. We provided an opportunity for the present students to interact with their seniors through an Alumni meet. All Alumni and Alumnae of Builders Engineering College were invited and event happened on 01.02.2020(Saturday) at Kalam Auditorium, Builders Engineering College. Alumni eagerly and actively visited the college on regular intervals whenever they can by means of supporting financially and non-financially. Builders Engineering College - Alumni Association goal is to create a strong, world-wide, fully interactive community of Alumni. They play different role as mentioned below. Mentorship: Alumni used to actively mentor their juniors in their technical aspects of their expertise. They use to share various motivational information through their experience in real world. The present students in college will be guided through them and got encouraged that they can also flourish in various fields. Placements: The Alumni network of the college used to support students by providing opportunity for placements. Alumni entrepreneurs who started their business/start up company used to recruit for their own concern. Alumni who were working in higher designations used to refer the placement opportunities to their juniors. Career Guidance: Alumni's were invited through CDC (Career Development Cell) and EDC (Entrepreneur Development cell) for seminars, workshops and value added courses. Alumni, who are working in government based jobs, completed their higher education in reputed institutes, working in reputed core industries /software companies will be called for career guidance. Alumni who are running their start up companies will be called to inspire through Entrepreneur development. Communication Networking: Alumni network by itself is one of the best professional networking platforms available today. A website link is provided recently to build a strong network between the institute, present students, parents and Management. College Alumni Day: Alumni meet used to happen by even semester of every academic year. They will be invited by their respective department coordinators Heads through Telephonic means, emails, and personal invitations and by postal invitations. The event is to bring together all the old students and the faculty of Builders Engineering College to share their experiences with each other.

## 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 Directorate of Technical Education and Anna University. The details are given below • Government Quota: Students for I year UG program and Lateral entry are admitted through Single Window system and through TANCET for PG programmes. • Admission for Management quota is done as per the procedures of Consortium Board. • Scholarships are also provided by the management to the meritorious students on various schemes to help socially backward and economically backward |

| | |
|---|---|
| | students to get into the engineering education. |
| Industry Interaction / Collaboration | Industry interaction and collaboration strives to enhance industry interaction with students to meet corporate expectations. Some important initiatives are 1. Organized 18 programs during this academic year by inviting various experts from Industry and academia. 2. Continual supports of BMW and Ford have enriched the competence of our students through contribution of BMW transmission unit and FORD 1.5L Ecosport vehicle. 3. Students are encouraged to take up industrial project and internship training through effective mentoring system and curriculum. 4. Various industrial visits had been organized to give practical exposures to the students. |
| Human Resource Management | The following are the major activities pertaining to Human Resource Management. • The requirement of teaching and nonteaching 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 | Library: The college library has been built in international standards with an area of 1000 sq.m. The Library working between 9.00 am to 8.00 pm on all working days. It subscribes national and international print periodicals, DELNETs, IESTC, IMC packages of E – Journals and good collection of CDs, books sections, multimedia e-learning sections and NDLI membership. ICT and Physical Infrastructure: 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. University exam cell is coordinating the activities of web portal entry, conducting university examinations etc. |
| | 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 (Learn by Queries) 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 games, visiting industries, 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 suggestions given by the industry experts, different value added courses are also offered by institute. The curriculum delivery includes preparation of lesson plans, lab manuals, lecture notes, tutorials, assignments, industrial visits, Guest Lectures, students' participation in national and international competitions. Students are categorized as slow and advanced learners and prepare them to face exams successfully and training and placement cell 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 and non academic activities 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. The exam cell ensures all the university examination related activities are being executed according to the academic schedule received from the university. |

## 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 |
|---|---|---|---|---|
| 2020 | Mrs. S. Karthika Devi | Webinar on change is the Essence of Life | N/A | 150 |
| 2020 | Mr. A. Dhamotharan | Webinar on Research Tools for Social Science Research | N/A | 150 |
| 2020 | Dr. P. Sakthivel | Webinar on Distributed Temperature Sensing for Real-Time Power Line Monitoring | N/A | 200 |

| | | for Raman Scatterinmg in Optical Fibers | | |
|---|---|---|---|---|
| 2020 | Mr. L. Sampath Kumar | Webinar on The universe: Reaching through Radio Waves | N/A | 200 |
| 2020 | Mr. S. Ravi | 12 week course on IC Engines and Gas Turbines | NPTEL | 1100 |
| 2020 | Dr. S. Ravishankar | SAMSHDHANA quiz on on research paper reading skills | N/A | 250 |
| 2020 | Dr. D. Maya | Eight National Conference on ETCCI20 | N/A | 300 |
| 2020 | Dr. S. Saravanan | Workshop on NPTEL | N/A | 200 |
| 2020 | Mr. C. Mathiyalagan | Webinar on Emerging Trenda in Design of Sensors for Real Time Automation | N/A | 200 |
| 2020 | Ms. S. Radhika | Home Energy Assessment Audit | N/A | 200 |
| View File | | | | |

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

| Year | Title of the professional development programme organised for teaching staff | Title of the administrative training programme organised for non-teaching staff | From date | To Date | Number of participants (Teaching staff) | Number of participants (non-teaching staff) |
|---|---|---|---|---|---|---|
| 2020 | Webinar on change is the Essence of Life | N/A | 20/05/2020 | 20/05/2020 | 5 | Nill |
| 2020 | N/A | Two Day training P rogramming on MATLAB Coding | 26/02/2020 | 27/02/2020 | Nill | 10 |
| 2020 | Faculty | N/A | | | 5 | Nill |

| | | | | | | |
|---|---|---|---|---|---|---|
| | seminar on Research Opportunities in Emerging Areas of Electrical Engineering | | 20/02/2020 | 20/02/2020 | | |
| 2020 | Faculty Seminar on Cloud Computing | N/A | 04/02/2020 | 04/02/2020 | 10 | Nill |
| 2019 | FDP on Stress Management in association with ICT Academy | N/A | 09/12/2019 | 11/12/2019 | 22 | Nill |
| 2019 | FDP on Total Station | N/A | 12/12/2019 | 18/12/2019 | 20 | Nill |
| 2019 | Communication Skills Training | N/A | 07/12/2019 | 07/12/2019 | 48 | Nill |
| 2019 | Faculty Seminar on Seminar on Machine Learning | N/A | 25/11/2019 | 25/11/2019 | 11 | Nill |
| 2019 | Webinar on Understanding Research: Types of Plagiarism and how to avoid it | N/A | 30/10/2019 | 30/10/2019 | 26 | Nill |
| 2019 | N/A | Two Days training Programming on Strength of Materials | 25/09/2019 | 26/09/2019 | Nill | 6 |
| | | | [View File](#) | | | |

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

| Title of the professional development programme | Number of teachers who attended | From Date | To date | Duration |
|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| Webinar on Selection of appropriate mode of transport based on demand of the city | 1 | 27/05/2020 | 27/05/2020 | 1 |
| national level webinar on supports to startups and innovation during COVID-19 | 1 | 27/05/2020 | 27/05/2020 | 1 |
| Webinar on Research Tools for Social Science Research | 1 | 28/05/2020 | 28/05/2020 | 1 |
| Opportunities in Japan! How Indians can benefit from it? | 1 | 28/05/2020 | 28/05/2020 | 1 |
| Webinar on Advanced Materials :Webinar Series -II | 1 | 28/05/2020 | 30/05/2020 | 3 |
| Webinar on The universe: Reaching through Radio Waves | 1 | 29/05/2020 | 29/05/2020 | 1 |
| Webinar on Job Opportunity Challenges of Civil Engineers after Graduation | 1 | 29/05/2020 | 29/05/2020 | 1 |
| Recent Trends in Embedded Systems | 1 | 29/05/2020 | 29/05/2020 | 1 |
| National level E quiz on HR Planning - need of the hour in textile industry | 1 | 29/05/2020 | 29/05/2020 | 1 |
| Webinar on scenario of the startups- post COVID-19 | 1 | 30/05/2020 | 30/05/2020 | 1 |
| [View File](#) | | | | |

| 6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment): | | | |
|---|---|---|---|
| Teaching | | Non-teaching | |
| Permanent | Full Time | Permanent | Full Time |
| 9 | 9 | 6 | 6 |

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 every semester during annual day | • 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. |

## 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 2019-2020 was conducted on 28.10.2020 for the period ending on 31.03.2020. 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 | Nil |

**No file uploaded.**

6.4.3 – Total corpus fund generated

1300000

## 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 | ODPL, Bhubaneswar | Yes | Audit Committee |
| Administrative | Yes | ODPL, Bhubaneswar | 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 |
|---|---|---|---|---|---|
| 2020 | Faculty seminar on GST by Dr.G.Suresh | 12/02/2020 | 12/02/2020 | 12/02/2020 | 43 |
| 2020 | Seminar on Why is reading important by Ms.S.Karthika devi | 10/01/2020 | 10/01/2020 | 10/01/2020 | 9 |
| 2019 | Communication Skills Training | 07/12/2019 | 07/12/2019 | 07/12/2019 | 48 |
| 2019 | Spoken Hindi Training Class | 05/12/2019 | 05/12/2019 | 05/12/2019 | 40 |
| 2019 | Soft Skills Training | 25/11/2019 | 25/11/2019 | 28/11/2019 | 50 |
| 2019 | Seminar on Hadoop by Mr. R.Sivasankar | 25/11/2019 | 25/11/2019 | 25/11/2019 | 9 |
| 2019 | Faculty seminar on A detailed study on cryptocurrency by Mrs.P.Nalini | 11/11/2019 | 11/11/2019 | 11/11/2019 | 57 |
| 2019 | Webinar on Understanding Research: Types of | 30/10/2019 | 30/10/2019 | 30/10/2019 | 22 |

| 2019 | Work Life Balance by Mr. V. Kumar | 24/10/2019 | 24/10/2019 | 24/10/2019 | 24 |
| 2019 | Seminar on Time management by Ms.S.Nith yadevi | 22/10/2019 | 22/10/2019 | 22/10/2019 | 10 |

View File

## 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 | 07/03/2020 | 07/03/2020 | 280 | 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 |
| --- |
| 58 |

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 |

7.1.4 – Inclusion and Situatedness

| Year | Number of initiatives to address locational advantages and disadva ntages | 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 |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 2019 | 1 | 1 | 12/07/2019 | 1 | JaI Shakthi Abhiyan | Awareness Program | 636 |
| 2019 | 1 | 1 | 10/08/2 | 1 | Free | Health | 262 |

| 2019 | 1 | 1 | 019 | | Medical Camp | Program | |
|------|---|---|-----|---|------|---------|---|
| 2019 | 1 | 1 | 13/08/2019 | 1 | One Student One Tree | Tree Plantation | 178 |
| 2019 | 1 | 1 | 21/09/2019 | 1 | Helmet Awareness RallyHelmet Awareness Rally | Awareness Program | 93 |
| 2019 | 1 | 1 | 12/10/2019 | 1 | Tree Plantation Program | Tree Plantation | 64 |
| 2019 | 1 | 1 | 25/10/2019 | 1 | Tree Plantation Program | Tree Plantation | 80 |
| 2019 | 1 | 1 | 09/11/2019 | 1 | Neem Seed Sowing | Tree Plantation | 137 |

[View File](#)

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

| Title | Date of publication | Follow up(max 100 words) |
|-------|---------------------|--------------------------|
| Code of conduct for teacher | 06/06/2019 | 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 | 06/06/2019 | 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 | 06/06/2019 | | • 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 | 06/06/2019 | | • 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 | 06/06/2019 | | • 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 | 05/06/2019 | 05/06/2019 | 99 |

| Independence Day | 15/08/2019 | 15/08/2019 | 120 |
| Republic Day | 26/01/2020 | 26/01/2020 | 95 |
| Graduation day | 01/02/2020 | 01/02/2020 | 280 |
| [View File](#) | | | |

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

1. The institution has constructed rainwater harvesting tanks at various places in the campus. 2. The waste management will be followed by placing degreadable and non-degreadable waste collection cans in around the campus 3. Green Landscaping with Trees and Plants 4. Buildings are designed in a way that natural light and ventilation is utilised properly and power consumption is reduced 5. Students and staff members are encouraged to use bicycles 6. Recycled water is supplied to the trees and plants. 7. Students and staff members are encouraged to use public transport facilities and college bus facilities in order to reduce the fossil fuel consumption

## 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 encourage the students to have state-of-the-art innovative data. • To set a model 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 centre 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 behaviour 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 of 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/BestPracticesUpdated_2019_2020.pdf |

## 7.3 – Institutional Distinctiveness

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

Institute's Placement cell is one of the crucial departments, which operates powerfully round the clock. In Builders Engineering College, students come from different parts of the rural areas with poor economic background and they are crucially in need of a job to lead their blissful life. A thorough understanding of the student's background has made the institute focus more on Placements. 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 the service industry has made an enormous impact on the students marching towards placements. Career dreams of the students were fulfilled by the Placement Cell of the Institute. Proper counseling 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 led by a well experienced Placement Officer. All placements related activities were driven by the Institutes Placement Officer. The 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 cell has arranged various Corporate Connect programmes, through which a proper knowledge transfer has happened about the working environment of the corporate, corporate expectations from student's community, technological updation etc., 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 causes behind placement success. Institute's Training Cell has brought

| Provide the weblink of the institution |
| :---: |
| https://builderscollege.edu.in/Downloads/naac/7.3.1_Institutional_Distinctiveness_2019_20.pdf |

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

• To improve the rankings of college • To get autonomous status. • To develop the market requirement skills for students through value added courses, certificate courses, internship, industrial visit, industry projects. • To develop the faculty members by making them to participate in FDP, Conferences, Workshops, Seminars, and NPTEL courses. • To reduce the per capita electricity consumption by utilising solar energy. • To improve the culture of creation of E learning materials among faculty members. • To implement ICT tools enabled classrooms as much possible.