YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1. Name of the Institution — Builders Engineering College

- Name of the Head of the institution — Dr. S. Ramkumar

- Designation — Principal

- Does the institution function from its own campus? — Yes

- Phone no./Alternate phone no. — 04257241935

- Mobile no — 9487811008

- Registered e-mail — principal@builderscollege.edu.in

- Alternate e-mail — info@builderscollege.edu.in

- Address — ERODE ROAD, NATHAKADAIYUR

- City/Town — KANGAYAM, TIRUPUR DISTRICT

- State/UT — Tamil Nadu

- Pin Code — 638108

2. Institutional status

- Affiliated /Constituent — Affiliated

- Type of Institution — Co-education

- Location — Rural

- Financial Status — Self-financing

- Name of the Affiliating University **Anna University**

- Name of the IQAC Coordinator **Dr. M. S. Senthil Kumar**

- Phone No. **04257241935**

- Alternate phone No. **04257241545**

- Mobile **8012184454**

- IQAC e-mail address **iqac@builderscollege.edu.in**

- Alternate Email address **naac@builderscollege.edu.in**

3.Website address (Web link of the AQAR (Previous Academic Year) https://builderscollege.edu.in/Downloads/naac/AQAR_2020-21.pdf

4.Whether Academic Calendar prepared during the year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: https://builderscollege.edu.in/wp-content/uploads/bec/AC_2021-22.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	**A+**	**3.36**	**2022**	**22/11/2022**	**21/11/2027**

6.Date of Establishment of IQAC **12/04/2017**

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. P.ESWARA MOORTHI	Students Project	Tamilnadu State Council for Science and Technology	2021-22	7500
Dr. N.SATHISH KUMAR	Students Project	Tamilnadu State Council for Science and Technology	2021-22	7500
Mr.M.Shanmugham	Students Project	Tamilnadu State Council for Science and Technology	2021-22	7500

8.Whether composition of IQAC as per latest NAAC guidelines   Yes

- Upload latest notification of formation of IQAC   [View File](#)

9.No. of IQAC meetings held during the year   3

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?   Yes

- If No, please upload the minutes of the meeting(s) and Action Taken Report   No File Uploaded

10.Whether IQAC received funding from any of the funding agency to support its activities during the year?   No

- If yes, mention the amount

11.Significant contributions made by IQAC during the current year (maximum five bullets)

1. Participation in the IIPC, the Industry Institute Partnership Cell 2. Participated in the NIRF Ranking 3. Project labs are now being made available to students by all disciplines. 4. Started the registered alumni. 5. Completed a AAA audit (Academic and Administrative Audit) 6. All departments have set up specialised labs or innovation labs for the benefit of the students.

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

Plan of Action	Achievements/Outcomes
Encouraging academics to provide e-learning materials and use of ICT Tools	eLearning materials were actively generated by faculty members and uploaded to the college website and management system. Faculty members should be encouraged to utilise ICT technologies as much as feasible during the teaching and learning process.
Motivating academic members to conduct research	Faculty members took a proactive role in publishing publications in peer-reviewed journals, particularly those with UGC Care indexes. Also, they created proposals and submitted funding agency applications.
Faculty members are encouraged to sign up for PhD programmes	In the academic year 2021-2022, more academics registered for part-time programmes at Anna University.
Faculty members are requested to get PhD guide ship as soon as possible	Professors are actively conducting research and attempting to publish their findings in peer-reviewed journals.
Coaching programmes for low performers	Students with poor grades benefited.
Encouraging advance learners to participate in the co curricular and extra curricular activities	Advanced students benefited

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13.Whether the AQAR was placed before statutory body?   **Yes**

- Name of the statutory body

Name	Date of meeting(s)
Governing Council	08/08/2022

14.Whether institutional data submitted to AISHE

Part A	
Data of the Institution	
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• Name of the Head of the institution	Dr. S. Ramkumar
• Designation	Principal
• Does the institution function from its own campus?	Yes
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• State/UT	Tamil Nadu
• Pin Code	638108
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- Name of the statutory body

Name	Date of meeting(s)
Governing Council	08/08/2022

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2021-22	29/12/2022

15.Multidisciplinary / interdisciplinary

The curriculum is efficiently executed through the use of traditional teaching methods, which are aided by highly qualified, committed faculty members using a variety of innovative teaching techniques. In order to provide the holistic academic growth among students aligning with the objective of NEP-2020, Builders Engineering College has taken the following initiative to implement interdisciplinary/multidisciplinary approach in curriculum

1. Students have given the opportunity to take "Add-on" courses, which give them the freedom to choose their preferred options from the range of programmes offered by the institute

2. Institute conducted the International Conference on "Management, Engineering, Science and Humanities (MESH -2022)" on 19th January 2022, in order to promote Multidisciplinary / interdisciplinary participation among the industry and academia.

3. By hosting the "Ideathon'22" event on October 15, 2022, the Institute has given students in grades 10, 11, and 12, as well as Polytechnic, Arts & Science, and Engineering, the chance to take part in the giant technical competition. Under the headings of agriculture, eco-friendly environment, smart farming, digital India, artificial intelligence, green energy, make in India, robotics, solar lights, green buildings, smart city, and water conservation, students have displayed their multidisciplinary / interdisciplinary project ideas.

4. A nationwide initiative called "Smart India Hackathon" is being run by the MoE Innovation Cell to give students a forum to address some of the most serious issues we encounter every day. By allowing students to use the infrastructure, facilities, laboratories, and technical assistance, the institute enables them to take part in these kinds of mega-events.

5. Internships and industrial training are permitted for students, enabling them to learn about current industry developments.
6. Students are allowed as teams are allowed to actively participate in mini-projects and major projects, allowing them to exercise their creative thinking, enhance their original ideas, and create new products.
7. Under the current curriculum, both core courses and elective courses can help students acquire technical ideas. Moreover, open electives provided by other disciplines support an interdisciplinary learning.

16.Academic bank of credits (ABC):

The NEP 2020's planned Academic Bank of Credit provisions aims to make it easier for students to enter and leave academic programmes at various periods. As an affiliated college, Anna University, Chennai, designs the course curriculum. Categorization of courses every B.E. / B. Tech. Programme will have a curriculum with syllabi consisting of theory and practical courses that shall be categorized as follows:

1. Humanities, Social Sciences and Management Courses include English, Human Values, Communication skills, management courses etc.
2. Basic Sciences Courses includes Mathematics, Physics, Chemistry, Biology, Environmental Science etc.
3. Engineering Sciences Courses include Engineering Practices, Engineering Graphics, Basics of Civil / Mechanical / Electrical / Electronics / Instrumentation, Computer Engineering, etc.
4. Professional Core Courses includes the core courses relevant to the chosen specialization/branch.
5. Professional Elective Courses includes the elective courses relevant to the chosen specialization/ branch.
6. Employability Enhancement Courses includes Project Work, Seminar, Professional Practices, Case Study etc.

There shall be a certain minimum number of professional core courses and sufficient number of professional elective courses that can be opted by the students. The blend of different courses shall be so designed that the student, at the end of the programme, would have been trained not only for his/her relevant professional field but also would have developed as a socially conscious professional. The recommended credit range for each programme is 105 – 120.

17.Skill development:

Students are encouraged to take MOOCs courses by NPTEL, Coursera, etc. in addition to their regular curriculum to further their learning. In addition, curriculum enrichment is accomplished by providing the following value-added courses to teach students a variety of important skills:

- Auto CAD, Revit Architecture, Total Station hand on Training, STAAD Pro, E tabs, TECKLA, MS Project, Primavera by CIVIL department.
- Hardware & Networking, Cyber Security, Fullstack Web Development (Python/Angular), Redhat Certifications, Cloud Computing (AWS), Flutter (Android App Development), Java Essentials by CSE department.
- Circuit designing using Spice tools and Soldering practice, C and C++, MATLAB and its applications, Digital VLSI Systems, VHDL and Verilog HDL, Electronics and Robotics, PCB Design, Embedded systems, PIC Microcontroller, Embedded systems using ATMEL 89C51/52 by ECE department.
- Auto CAD, Creo, CATIA, ANSYS, CNC by Mechanical department
- Skill development in E-Mobility by EEE department

- The Builders Engineering College's mission focuses heavily on industry partnerships for efficient student training for career transitions by including cutting-edge techniques. By the following 22 Memorandum of Understanding (MoU), our college has given students the opportunity to undertake internships, industrial visits and training at a number of companies. Students will be benefited more if they acquire the knowledge necessary to meet company requirements through MoUs.

S.No	Company Name	Beneficiary Departments
1	M/s RPP Infra Projects Limited, Erode.	CIVIL, MECH & EEE
2	M/s S.S.Natarajan & Co, Erode.	CIVIL, MECH & EEE
3	M/s GMS Elegant Builders (I) Pvt Ltd,	CIVIL, MECH & EEE

	Erode.	
4	M/s V.Sathyamoorthy & Co, Namakkal.	CIVIL, MECH & EEE
5	M/s Red Hat India Pvt Ltd, Mumbai.	CSE
6	M/s CALIBRE Embedded Technologies India Pvt Ltd, Salem.	ECE & EEE
7	M/s Skill Safari, Coimbatore.	CSE
8	M/s Enthu Technology Solutions India Pvt Ltd, Coimbatore.	ECE
9	M/s Schwing Stetter (India) Pvt Ltd, Kanchipuram.	CIVIL, MECH & EEE
10	M/s Krish Tec, Coimbatore.	ECE & CSE
11	M/s CMK Projects Private Limited, Chennai.	CIVIL, MECH, EEE & MBA
12	M/s Ramalingam Construction Company Private Limited, Erode.	CIVIL, MECH, EEE & MBA
13	M/s Innovatus Systems, Coimbatore.	CSE
14	M/s STEPS Knowledge Services Pvt Ltd, Coimbatore.	ECE & EEE
15	M/s UAV Technology, Birdscale Technologies, Chennai.	All Branches
16	M/s Vedas IAS Academy, Chennai.	All Branches
17	M/s INGLO Technologies, Coimbatore.	ECE, EEE, MECH & MBA
18	M/s Mega Tech Scientific Instruments, Coimbatore.	ECE, EEE & MECH
19	M/s Saradha Skill Academy, Coimbatore.	All Branches
20	M/s MERITON	ECE,EEE,MECH & MBA

	Switchgears Private Ltd, Erode.	
21	M/s JASCON Energy Private Ltd, Trichy.	EEE,ECE,MECH & MBA
22	M/s Erode District Civil Engineers Association, Erode.	CIVIL

The institute has started an incubation centre by ECE department in collaboration with Enthu Technology Solutions India Pvt Ltd, Coimbatore. This centre is concentrating in satisfying the following objectives:

- To inculcate and nurture the culture of innovation in the field of IoT systems at campus.
- To seed in the minds about start-ups and to create vibrant start-up environment in the campus.
- To help in developing Innovative Ideas to take care of societal needs.
- To find solutions for real life problems by providing mentor to the young minds.
- To translate ideas into the products.

Further, an innovation center was started in EEE department in collaboration with Saradha Skill Academy, Coimbatore. This center is to encourage and enable the faculty members as well as students to get familiar with hardware and software tools though hands-on training. Further, it demands the essential knowledge of design, developments, testing and servicing, fault identification and rectifying. Industrial automation applications, E-vehicle demonstration, Energy storage systems, Industrial 4.0 and IIoT with cloud based learning and training is provided to students and faculty members. Combined with the theoretical knowledge the accumulated hands-on experience also enhances by solving different design problems based on the requirements of Industry. In addition, the students and faculty members interface and select the components for desired design by studying the datasheets. The different laboratories stabilized in the innovation center are,

- Electric Vehicle and Energy Storage Systems Laboratory
- IIoT and Industry 4.0 Laboratory
- Industrial Automation and Drives Laboratory
- Home Appliances service Center

Similarly, a product development centre was started in mechanical engineering department in the year of 2022 and

consists of two 3D Printers namely Creality Ender-3 V2 and Creality Ender-3 S1 Pro. This helps students in developing their skill to quickly create product models and prototypes. An innovation center was started in CSE and AI&Ds departments. This innovation center has high end configuration PC's which is of AMD Ryzen 7 processor, 32GB RAM, WiFi Motherboard equipped with WiFi and Nvidia RTX3060 Graphic Card. This center is also equipped with M1 chip imac for AI and machine learning. Further, this center was equipped with Advanced Kit for Arduino, CanaKit Raspberry Pi 4 8GB Extreme Kit, NVIDIA Jetson Nano Developer Kit (4GB RAM), Raspberry PI 5MP Camera Board Module to support the innovative ideas of students project.

The above value-added courses, MoUs, incubation and skill development centres have significantly helped in student growth by bridging the skills gap between those needed by industry.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

Integrating Indian knowledge systems into education can be a valuable way to preserve and promote the rich cultural heritage of India.

Teaching in Indian languages: Although the primary mode of communication is English, faculty members and technical assistants are also imparting the knowledge and clearing doubts by communicating in regional languages like Tamil, predominated by the students of those communities. This can help students connect better with the subject matter and make learning more engaging. Institute has two literary clubs namely Tamil Mndram and Debate club. Tamil Mandram helps students to improve their Tamil language knowledge with the help of various activities like quiz, essay writing, poetry writing, etc. Similarly, debate club is aiming to encourage students in developing their English knowledge with the help of various events.

Incorporating culture: Indian culture is a rich source of knowledge and can be integrated into education in various ways. For instance, cultural practices such as yoga, meditation, cultural songs, dance, music, paintings, and Indian arts are incorporated into the curriculum to enhance the student's creativity and aesthetic appreciation inside the campus with the help of various events.

Online courses: Online courses can be a great way to promote

Indian knowledge systems, especially for students who are unable to attend regular classes. The online courses can be made for some training activities, extra coaching classes for required subjects with the use of videos, quizzes, and discussions, and can be accessible from anywhere by the students.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

Outcome-based education (OBE) is an approach to education that focuses on clearly defining the desired learning outcomes for students and designing instruction and assessment around these outcomes. The goal of OBE is to ensure that students achieve specific and measurable learning outcomes, rather than simply completing a set of courses or meeting a certain number of hours of instruction.

Each programme has well defined Programme Educational Objectives (PEOs) and Programme Specific Outcomes (PSOs). The PEOs are based upon the institute and department vision and mission. All the instructions and assessment are aligned with the learning outcomes. Each programs are developed rubrics and assessment tools to measure student achievement of the learning outcomes. The regular feedbacks are provided to students on their progress towards the learning outcomes. The student achievements are monitored by using data. Further, the instruction and assessment are continuously improved. Overall, outcome-based education can help ensure that students acquire the skills, knowledge, and abilities they need to succeed in their chosen careers and in life. By focusing on measurable learning outcomes, OBE can help improve the quality and effectiveness of education, and better prepare students for the challenges of the modern world.

20.Distance education/online education:

Distance education or online education is a mode of learning where students can receive education and training remotely, without physically attending a traditional classroom. Online education has become increasingly popular in recent years due to advancements in technology and increased access to the internet. All of the faculty members in all programmes ran online classes during the Covid epidemic quite well, assisting the students in studying e-content for all subjects in all semesters. Faculty members and students have both participated in online instruction and evaluation using MS Team and Google Classroom softwares. The online education has some benefits like flexibility,

accessibility, lower costs and technology integration. However, the faculty members have faced some challenges like lack of personal interaction, self-motivation, technology challenges and quality of instruction. In order to prepare for future problems, the institute is also getting ready to make all of the e-content materials of this kind created by faculty members available to all students online.

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	**248**

File Description	Documents
Data Template	[View File](#)

2.Student

2.1 Number of students during the year	**887**

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	**306**

File Description	Documents
Data Template	[View File](#)

2.3 Number of outgoing/ final year students during the year	**121**

File Description	Documents
Data Template	[View File](#)

3.Academic

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3.1 Number of full time teachers during the year	**98**

File Description	Documents
Data Template	View File

3.2 Number of sanctioned posts during the year	**98**

File Description	Documents
Data Template	View File

4.Institution

4.1 Total number of Classrooms and Seminar halls	**42**
4.2 Total expenditure excluding salary during the year (INR in lakhs)	**395.55**
4.3 Total number of computers on campus for academic purposes	**772**

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Builders Engineering College (BEC) is affiliated to Anna University, Chennai, Tamilnadu, and adheres to the curriculum, syllabus and academic calendar established for affiliated institutions. In planning, development and implementation, BEC employs its own unique inventive methods and systematic approaches. Before the beginning of each semester, based on the academic schedule of the University and the guidance of the IQAC, the college prepares an academic calendar that includes the reopening date, internal assessments and the syllabus coverage of internal assessments and completion date for each unit. Every

department conforms with the college's schedule and submits its own department specific session calendar. Prior to the beginning of each session, each department assigns subjects. Subject distribution is determined based on the level of faculty competency. Faculty members submit their lesson plans in advance, to which they comply strictly.

Effective curriculum delivery incorporates traditional teaching, collaborative learning, competition based learning and supportive learning techniques.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

At the beginning of the academic year, the University publishes the academic schedule for UG and PG programmes. The institution confirms effective time management and rigorously adheres to deadlines specified by the university. The Institute carries out effective planning to adhere the academic calendar. This permits the faculty members and the students to space out their teaching and learning and regular assessment. Following the affiliated university academic schedule, Institution and department academic calendar is prepared.

The academic calendar comprises the date of commencement of the classes and schedules for conducting internal examinations based on the university academic schedule. The exams are scheduled in advance and the internal tests are administered in accordance with the University norms to track the students' progress. The exam cell is responsible for announcing the dates for submitting question papers and entry of marks. Furthermore, the evaluation procedure is completed within two days of the completion of the test. The institution ensures the implementation of all the activities adhering to the academic calendar.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	**Nil**

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	**B. Any 3 of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	[View File](#)
Any additional information	[View File](#)

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

10

File Description	Documents
Any additional information	[View File](#)
Minutes of relevant Academic Council/ BOS meetings	[View File](#)
Institutional data in prescribed format (Data Template)	[View File](#)

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data

requirement for year: (As per Data Template)

19

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

493

File Description	Documents
Any additional information	**No File Uploaded**
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The institution consistently makes efforts to enhance the university curriculum by planning events that integrate academic and general student development by addressing the crosscutting issues related to gender, the environment and sustainability, human values, and professional ethics.

Professional Ethics

The course "Professional Ethics in Engineering" in the Anna University curriculum instructs students on professional ethics. Professional ethics are the principles that regulate the behavior of a professional individual or group.

Gender

The institution provides equal opportunities for both boys and girls in terms of admission, co-curricular, extra-curricular and

placement opportunities. To ensure gender equality, female students and faculty members participate equally in all college committees, including the SC/ST committee, Grievance redressal cell, Academic Council, Internal Quality Assurance Cell, Class Committee, Anti-ragging committee and Anti-ragging squad, and the organizing committee for all college events.

Human Values

Human Computer Interaction, Human Resources Management, and Strategic Human Resource Management are offered as electives by the University and are taught to our students in an effort to integrate human rights into the curriculum.

The university has added more courses to help students learn more about the environment and live in a sustainable way. Environmental Science and Engineering is a required course in all programmes.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

104

File Description	Documents
Any additional information	**No File Uploaded**
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	**No File Uploaded**
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

192

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	**A. All of the above**

File Description	Documents
URL for stakeholder feedback report	https://builderscollege.edu.in/feedback-forms/
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	[View File](#)
URL for feedback report	https://builderscollege.edu.in/feedback-forms/

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

419

File Description	Documents
Any additional information	[View File](#)
Institutional data in prescribed format	[View File](#)

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

413

File Description	Documents
Any additional information	[View File](#)
Number of seats filled against seats reserved (Data Template)	[View File](#)

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Once the student admission process is completed, students are invited to attend the bridge course. Bridge course curriculum

prepared to improve the various basic skills of the budding students like Mathematical skill, language skill, and computing skills.

First-year admission process is over, Orientation program is organized. During this program, university regulations are explained to them.. After the program the students will have campus tour to all departments and lab.

Bridge course for the fundamentals of English, Mathematics, Physics and Python subjects are conducted.

Assessment of slow and advanced learners:

- XII marks/Diploma marks.
- Performance in the internal marks evaluation.
- Arrear history of the students in previous semester/year

Advanced learners:

They are advised to complete NPTEL courses.

They are encourage to learn value-added and add on courses to acquire skills for employability. Additional German Language classes are also arranged which gives the advantage of studying in general and for career prospects abroad. In addition, foreign language enables students to develop various mental abilities.

Slow learners:

Coaching classes are conducted for slow learners (students securing less than 60% in internal assessment examinations and end semester examinations). During coaching classes, the students are given individual attention and the Course faculty member clarifies their doubts.

File Description	Documents
Paste link for additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C2/2.2.1 Master link
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
887	**98**

File Description	Documents
Any additional information	[View File](#)

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Experiential Learning

Internships

The institution encourages the final year placed students to get training in the company and allow them to work as intern in the final semester.

Field Trips and Industrial Visits

Students are taken to nearby substations and Industries to observe the concepts.

In-Plant Training

The institution encourages students from all the years to go for in-plant training in every semester vacation period.

Laboratory Resources

The institution is furnished with highly equipped laboratory resources. We provide the needed resources for our students to do their innovative projects at all possible ways. Participative Learning

Guest lecturers have become an important part of the educational experience for students. One important benefit derived from having a guest speaker is the enhancement of the student educational experience.

Problem solving methodologies

Outbound Training:

Students are send to industries to solve the problems faced by industries, they will apply the knowledge acquire from various activities and arrive the solution for the issues.

Project/Mini projects:

Final year students are asked to obtain ideas for the Mini project and Final semester projects from the industries and encouraged to do projects in association with the industries.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C2/2.3.1 Master link

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

Builders Engineering College encourages both faculty members and students to utilize the Information

Communication Technology (ICT) tools as much as possible in the teaching learning process. The use of

ICT tools will make the teaching learning process in a harmonic way.

ICT Tools

Faculty members are provided with an individual desktop computer with sufficient internet connection

Facilities for preparing their class notes, PPT, etc. All our classrooms are equipped with LCD projector, computer, LAN facilities with sufficient internet facilities. Further, management is provided various ICT tools for conducting online classes like graphical tab, etc

E-Platform

Builders Engineering College is provided with College Management System (CMS) for the automation of

the teaching learning process. The CMS can be accessed in both ways either internet or intranet by faculty

Members and students. In CMS, faculty members can post their lesson plan, student attendance, internal

Marks, university results, course materials.

E-Resources

Faculty members can access Del Net, National Digital Library (NDL), E-Shothsinthu either by internet or

Intranet for utilizing online resources such as e-journals, eBooks, thesis,

Online Teaching Platforms

Faculty and students are provided with individual login for Microsoft Teams (MS Teams), graphical tab,

Camera, speakers, mic, headsets, etc., to conduct online classes, examinations, assignment, quiz

File Description	Documents
Upload any additional information	**No File Uploaded**
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

61

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

98

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

21

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

01-08-2023 09:52:15

7

File Description	Documents
Any additional information	[View File]
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	[View File]

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The University circulates the Academic Schedule to the affiliated colleges. Based on the schedule, the Examination Cell of the Institution prepares the Internal Assessment Schedule for all the departments.

The college has an Examination Cell for overseeing the conduct of all the internal and end semester examinations. The Examination Cell Coordinator is assisted by a team consisting of Assistant Examination cell Coordinators, Office Assistants, Computer Programmers, Data Entry Operators and attenders

Internal assessment marks and attendance are uploaded periodically in the Anna university web portal.

Internal Exam

Syllabus

Internal Exam I

Unit 1 (Full unit) and Unit 2 (Half unit)

Internal Exam II

Unit 2 (Half unit) and Unit 3 (Full unit)

Internal Exam III

Unit 4 and Unit 5

Subject handling faculty members will distribute the answer scripts to the students inside the classroom and the mistakes will be addressed in person.. The poor performing students should bring their parents to college and be asked to meet their concerned mentor/class advisor / HoD. Internal exam result is analysed by comparing student wise, subject wise, faculty wise, day scholar, and hosteller wise. HoD will give some suggestions to improve the student's performance.

File Description	Documents
Any additional information	View File
Link for additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C2/2.5.1_Master_link

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

- Internal exams are conducted as per the academic schedule and also aligned with the web portal entry period
- Class committee meetings are conducted before every internal to get grievances from students for every subject.
- Within three days, answer sheets are evaluated, verified by the academic co-coordinator/ HoD, and distributed to the students.
- Class advisors consolidate all subject marks and their attendance percentage. After getting approval from respective department head and Principal, data will be entered in the Anna university web portal.
- After the evaluation of the answer script, faculty members will be circulating the answer script to the students. They can view the internal test paper and express their discrepancies about the valuation with the concerned faculty members. Finally, they have to sign on the test paper.
- Students can represent the issues that they face in internal exams through a class committee meeting.
- During External Examination, the hall tickets are issued to the students for University Examinations well in advance.
- After the results has been declared by the University, if the student finds that the given grade is not appropriate then , he/she can apply for photocopies of the answer script through the Examination Cell. Examination Cell Co-ordinator addresses their issue.

File Description	Documents
Any additional information	[View File](#)
Link for additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C2/2.5.2_Master_link

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Our institute is affiliated to Anna University Chennai and given guidelines to frame coure outcomes for each course. The program outcomes (POs) are well defined and published by the Accreditation body which internationally accepted by all professional colleges, program specific outcomes (PSOs) are framed by the department HoD. COs are framed by the Heads of the department with a Team of senior Faculty members, after discussion with the subject handling faculty members.

Outcome-based education is the need of the hour. Our institute follows outcome based education. The institution being affiliated to the university follows the programme and course outcome framed by the University.

Vision, Mission and PEO/PO/PSO are published among stakeholders as follows:

S.No.

LOCATION

INSTITUTE

DEPARTMENT

Vision

Mission

Vision

Mission

1

Departmental Newsletter

-
-
-
-

2

Course files

-
-
-
-

3

HR manual

-
-

4

Admission Brochures

-
-

Locations where the Vision, Mission and PEO/PO/PSO are disseminated:

S.No.

LOCATION

INSTITUTE

DEPARTMENT

Vision

Mission

Vision

Mission

1

College Website

-
-
-
-

2

School of Electrical and Computing Sciences

-
-

3

Principal's Office & Lounge

-
-

4

HOD chamber

-
-
-
-

5

Faculty rooms

-
-

6

Classrooms

-
-

7

Laboratories

-
-
-
-

8

01-08-2023 09:52:15

Main Library

-
-
-
-

09

Department Notice Board

-
-
-
-

In addition to this, Vision, Mission and PEOs are disseminated to all the stakeholders of the program various events.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for Additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C2/2.6.1_Master_link
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Attainment of Course Outcomes:

CO Assessment Processes

Assessment tools are categorized into two methods to assess the course outcomes as:

i) Direct methods

ii) Indirect methods

Direct Assessment Methods

○

Direct Assessment

Method Description

1.

Internal Assessment for Theory Examinations

Two internal assessment examinations and one model examination

1.

Internal Assessment for Laboratory Examinations

In laboratory course, the internal assessment marks shall be based on and one model practical examination.

1.

End Semester Examinations (Theory and Laboratory)

Once in a semester examinations are conducted by Anna university in college.

In Direct Assessment Methods

Indirect Assessment Methods

○

Indirect Assessment

Method Description

1.

Students Exit Survey

Information is collected from the students

1.

Alumni Survey

Collect variety of information about program Satisfaction and college

Attainment of Program Outcomes and Program Specific Outcomes

Assessment Tool

Assessment Methods

Weightage1 in %

Weightage2 in %

Direct Method

Internal Assessment Examinations

1.

1.

End Semester Examinations

1.

Indirect Method

Student Exit Survey

1.

1.

Alumni Survey

1.

`Program Outcome Assessment Weight age`

`Overall POs & PSOs attainment calculation`

`Overall attainment = 80% of Direct attainment + 20% of Indirect attainment`

`= (0.8 x Direct attainment) + (0.2 x Indirect attainment)`

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C2/2.6.2_Master_link

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

`116`

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View File](#)
Upload any additional information	[View File](#)
Paste link for the annual report	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C2/2.6.3_Master_link

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C2/2.7.1_Master_link

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

303140

File Description	Documents
Any additional information	**No File Uploaded**
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

1

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

6

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	View File
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Institute is a member of Institutions Innovation council (IIC) and conducted lot of programs to promote innovations and Entrepreneurship in the institution. An ample opportunity has been provided by the Institute to the students and encouraged them to shape their thoughts into realism.

Incubation centre was established in collaboration with Enthu technologies, Coimbatore. This collaboration provides opportunity to the students and faculties for training, internship, academic projects, Development of products with the support of the company.

MoUs with Industry helps the students in better exposure to the real time industrial needs by attending Internships and Industrial visits.

Innovation center is established to provide facilities for interdisciplinary projects. ICT academy and Redhat academy is functioning in the college and organizes Skill development and faculty development Programs.

Availability of ample resources at well-established library, E-resources and NPTEL local chapter opens the arena for the wholesome academic development of students. Students are motivated to participate in National level design contests, and our Mechanical department students won cash Prices in E-kart design. BMW skill next Program is a major highlight of the department.

Institute is well connected with societies like Institute of Valuers, Indian Concrete Institute, IETE, Indian Geotechnical Society, SAE India and provides opportunities for students to

interact with Industry experts. College provides financial support for Student and faculty for research publications and patents filing.

58 papers were published in indexed/non-indexed journals in the academic year 2021-2022. 10 Workshops and seminars in the areas of Research methodology, IPR and entrepreneurship were conducted.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

0

File Description	Documents
URL to the research page on HEI website	**Nil**
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

58

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

48

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

1. Sustainable development in adopted Villages: Nathakadaiyur, Mullipuram and Palayakottai.

Conforming to the institution vision, the administration motivates the students of our institute to carry out extension activities in the neighbourhood villages by adopting the village for regular and special camp activity. As an outcome our NSS volunteers joined with Government machinery executed several sensitization programmes to make a healthy environment and improved livelihood option to strengthen the community participation for the holistic development of the rural India.

2. Healthy India: Awareness Programs

Number of health awareness programme like Dengue awareness program, Diabetic and dental camps, Medical check-up camps and TB, AIDS awareness programs are arranged for the benefit of Public. In view of creating a healthy citizen, several programs were conducted in creating awareness about Importance of breast feeding, National Nutrition week and Work life balance was conducted. For school students, Awareness about Child sexual abuse, Personal hygiene for adolescent children was conducted. In Covid pandemic time, Our Management has provided funds to help the Village administration.

3. Youth Awareness Programs:

In order to create awareness about various social and cultural issues in the society, programs were organised for the public, targeting youngsters of future India. In association with Police department of Kangeyam, several awareness programs were conducted. Drug awareness programs, Road safety program, Helmet awareness rally, Awareness about Kavalan SOS app were conducted.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

4

File Description	Documents
Any additional information	**No File Uploaded**
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

12

File Description	Documents
Reports of the event organized	View File
Any additional information	**No File Uploaded**
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

1444

File Description	Documents
Report of the event	View File
Any additional information	**No File Uploaded**
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

19

File Description	Documents
e-copies of related Document	View File
Any additional information	**No File Uploaded**
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

14

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

BEC is a 200-acre, cutting-edge campus dedicated to offering academic excellence at the highest standards and enhancing lives through value-based education. Since the institute's founding in

2009, it has never compromised on its physical buildings, equipment, software, books, or other educational materials. The Institute has the necessary physical infrastructure and resources to support students' ability to innovate, foster a sense of teamwork, and develop the skills necessary to meet global issues and contribute to contemporary society.

Classrooms and Laboratories

The classrooms have adequate ventilation, green-colored chalkboards, LCD projection, and Internet access. The laboratories are well equipped to cater to students and research scholars.

Internet

The institution has an internet facility with 115 Mbps bandwidth supporting all the computers.

Seminar Hall

There are 3 seminar halls to conduct seminars, symposiums, conferences, meetings, etc.,

Physical facilities

In addition to hostels, our institution plies a fleet of buses to nearby cities and also from the suburbs for the smooth transit of both students and staff members.

Other Facilities

Seperate hostel for Boys and Girls with Canteen facility, Training and Placement Cell, Clubs for Co-curricular and extra curricular activities, Reprography, Wi-Fi, Gymnasium, ATM, Dispensary, Ambulance.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C4/4.1.1_Institution_Facilities

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor),

gymnasium, yoga centre etc.

The institute has a number of sports facilities to keep students active, encourage physical fitness, and prepare them for a wide range of national and international sports and activities.

Sports

The institution has a spacious outdoor game facility with an area of 47,320 Sq.mts. It has one Cricket ground, one Football field with 33750 Sq.mts. area, three Volley ball courts with 1862 Sq.mts. area, one Basketball court with 646 Sq.mts. area, two Ball Badminton court with 1064 Sq.mts. area, two Handball courts with 4900 Sq.mts. area, two Kho-Kho courts with 1944 Sq.mts. area, two Kabaddi courts with 570 Sq.mts. area, a Throw ball court with 456 Sq.mts. area and two Tennis courts with 1680 Sq.mts. area. The indoor games facilities include Kabaddi Court with the area of 225 Sq.mts., two Table Tennis boards, thirteen Chess and five Carom boards.

Power Gym

Our Institution has a gym with a total area of 190 Sq.mts. for boys and girls. Students can use the power gym facilities regularly.

Yoga Centre and Cultural Facilities

Institution has a spacious yoga center with a capacity of 1000 participants. Institution has adequate facilities to conduct cultural events.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C4/4.1.2 Sports Cultural Facilities

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

37

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C4/4.1.3_Projector_details
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

43.85

File Description	Documents
Upload any additional information	**No File Uploaded**
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

The library has an Integrated Library Management System called CampesiLIB. It has functionalities that enable a library to manage its housekeeping operations, viz., acquisition of books and materials, creation and maintenance of a catalogue database, circulation of its holdings, transactions, etc., For strict surveillance, CCTV cameras are installed in the library.

Module Details

Administration Module, OPAC, E-gate Register and Web OPAC.

The library members denote the students and staff using the

library. The members can be created with the primary key as the member id, which is mandatory. The primary stock in the institution's libraries is books and it is mandatory. This module manages the creation, editing and deletion of books. Materials other than books, like periodicals and back volumes, are managed as non- books. The non-book materials are allowed to be created by users themselves. Journals and periodicals are entered into the master log using the respective periodicities generated in subentries. Each periodical issue can be entered after completing subscription entries. Daily Transaction Reports can be used to manage the books and other material issued to members.

OPAC

Book Search, Periodicals Search, Non-Book Search, Member due Check, Member Transaction History View and Book Reservation.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional Information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C4/4.2.1_Library_Automation

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	A. Any 4 or more of the above

File Description	Documents
Upload any additional information	[View File](#)
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	[View File](#)

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

15.62

File Description	Documents
Any additional information	**No File Uploaded**
Audited statements of accounts	<u>View File</u>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<u>View File</u>

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

220

File Description	Documents
Any additional information	**No File Uploaded**
Details of library usage by teachers and students	<u>View File</u>

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

Our institution has a well-equipped system with trained and experienced professionals to provide IT facilities. We have a secure and stable wired and wireless network campus for administrative and academic areas. The college has a well-equipped internet lab working 24/7. The college has 75mbps from JIO and 40mbps from BSNL internet. The internet can be accessed by 1000+ desktop computers through LAN and also Wi-Fi. A central server and an "Institution Wide Fiber Optic Network" are both supported by the center.

As per the syllabus update, the required software is purchased and the license will be renewed. The institution has licensed software like Oracle, Autodesk EDU, Lab View, Windows XP/7/8 Professional, Windows 2003/2008/2012/2016 Server etc. Firewall and anti-virus software are installed to ensure better security.

The hostels have Wi-Fi connectivity with a speed of 115mbps for academic purposes. An effective CCTV surveillance network is available throughout the entire campus. The Institution has Sophos Firewall Protection, which ensures threat protection (Spyware,

denial of service attacks, etc.) Securitize with VoIP security, VLAN, content filtering, packet filtering, URL blocking, anti-spam, anti-virus, intrusion detection and prevention and others are endorsed to securitize.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C4/4.3.1_IT_Facility

4.3.2 - Number of Computers

772

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution	A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

83.23

File Description	Documents
Upload any additional information	**No File Uploaded**
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

BEC owns and administers a vast infrastructure to support its education, research, and learning activities. The institution's upkeep and utilization of Laboratory, Library, Sports Complex, Computers, and Classrooms are governed by an organized system.

The buildings, furniture and fittings, lawns and gardens are properly maintained to prevent wear and tear arising from their use and to prevent damage caused by the vagaries of the weather. The campus is maintained by an exclusive housekeeping department. Every day, class rooms are swept, corridors are wiped clean, rest rooms are sanitized and the lawns and gardens are cleaned.

The Civil maintenance operation includes classrooms, seminar halls, tutorial halls, carpet, floors, walls and ceilings, Door's 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.

Electrical Maintenance includes all electrical facilities in academic blocks, hostels; generators; air- conditioners; etc. The electrical department maintains a list of electrical devices that require regular maintenance.

All equipment in the laboratories is maintained to prevent breakdowns through preventive maintenance. Fire extinguishers and First aid Kits are provided and placed in different locations to ensure safety.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://builderscollege.edu.in/Downloads/naac/MAINTENANCE_POLICY.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

469

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	[View File](#)
Upload any additional information	**No File Uploaded**
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	[View File](#)

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

46

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills — **A. All of the above**

File Description	Documents
Link to Institutional website	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C5/5.1.3_Capacity_Building_Skills_Initiative
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1081

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

844

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

01-08-2023 09:52:16

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees	A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

92

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

0

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	**No File Uploaded**
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

0

File Description	Documents
Upload supporting data for the same	View File
Any additional information	**No File Uploaded**
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

23

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

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.

2. Internal Quality Assurance Cell

The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement.

3. Library Committee

The Library committee comprises of Principal, librarian, faculty, and students as representatives.

4. Students associations

Students association is formed in departments under the guidance of the HOD as the President.

5. Hostel Committees

The hostel committee comprises warden and student representatives.

6. Internal Complaint Committee

Grievance and Redressal Committee

The matters of harassment and suppression of any single individual

are handled by grievance redressal cell.

7. Women Development cell

The College has established a Women Development Cell in the college campus to empower and safeguard the rights .

8. Anti-Ragging Committee

The College has formed an Anti-Ragging committee with the Principal as the Convener.

9. Sports Committee

The student representatives along with the physical directors meet once in a quarter and take up agenda.

10. Cultural Committee

The purpose of the committee is to identify the talented students in the campus and train them suitably.

File Description	Documents
Paste link for additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C5/COMMITEES1_FINAL.pdf
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

22

File Description	Documents
Report of the event	View File
Upload any additional information	**No File Uploaded**
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Yes, the institution has registered alumni association.

Builders Engineering College - Alumni Association

Alumni Association has been actively engaged during the academic year 2021-2022 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.

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.

Placements:

The Alumni network of the college used to support students by providing opportunity for placements.

Career Guidance:

Alumni's were invited through CDC (Career Development Cell) and EDC (Entrepreneur Development cell) for seminars, workshops and

value added courses.

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.

Alumni Interaction:

Several Alumni Interaction programs takes place in both even and odd academic year.

File Description	Documents
Paste link for additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C5/5.4.1.pdf
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)	**E. <1Lakhs**

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Response:

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Vision

To be the most preferred knowledge provider.

Mission

Builders Engineering College endeavors to prepare rural students
for successful careers through academic and applied research.

Participation of the teachers in the decision-making bodies

The head of the institution is regularly organizing the meetings
in connection with IQAC, Governing Council, Academic Council and
regular meetings with HODs to discuss policies, routine activities
and other issues. All the decisions are disseminated to teachers
by their respective heads and implemented through the effective
participation of teachers.

Teaching staff members are bridging the gap between the management
and students. They are the only source having direct communication
with management students. Their involvement and participation in
decision making plays a vital role in directing everyone towards
the vision and mission of the institute. Teachers are identifying
the right students as the representatives for various committees
and motivating them towards organizing various events at the
department level as well as college level.
```

File Description	Documents
Paste link for additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C6/6.1.1_Academic_Calender
Upload any additional information	**No File Uploaded**

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

```
6.1.2 - The effective leadership is visible in various
institutional practices such as decentralization and participative
management.

Response:

Builders Engineering College practices decentralization and
```

participative management reflecting the effectiveness of the leadership.

Decentralization

The governing council empowers and authorizes the head of the institution to manage the institute's academic and administrative activities on a day-to-day basis. As a result, the directors of each department enjoy complete autonomy over their department's ordinary academic and administrative activities.

1. Chairman
2. Secretary
3. Treasurer
4. Correspondent
5. Director
6. Principal
7. Head of the Departments
8. Faculty members
9. Students

Senior faculty members are taking on more responsibility in their departments, such as coordinating numerous academic events.

Participative Management

The Principal and Heads of several departments allocate well-balanced additional tasks to ensure active participation of all staff members. In addition to their academic responsibilities, senior faculty members have extra responsibilities. Anti-ragging committee, Grievance redressal committee, Internal complaint committee, Committee for SC/ST, IQAC, NSS, YRC, RRC, Women development cell, and Academic calendar are among the committees they convene. Other members of the faculty serve on these committees to assist the conveners. These extra tasks raise all employees' accountability and promote more collaborative management.

File Description	Documents
Paste link for additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C6/6.1.2_2021-2022
Upload any additional information	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Strategic / Perspective plan

The following are the strategic / perspective plans of the institute 1.To achieve a high NAAC ranking by 2022.

2.To establish a research centre for as many departments as feasible by 2022 and 2023.

3.Encouraging all faculty members to apply for Ph.D. programmes.

4.To encourage faculty members to submit more research papers to prestigious journals.

5.Increasing academic performance by increasing the number of university ranks

6.Value added courses

7.Boosting the effectiveness of smart classrooms

8.Establishing industrial/entrepreneurial incubation centers is number eight on the list.

9.To strengthen ties with business by signing additional memorandums of understanding.

10.Increasing the number of consulting and MDP engagements

11.Obtaining finances from a variety of sources in order to hold seminars, workshops, conferences, and other events.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://builderscollege.edu.in/Downloads/naac/ssr/C6/6.2.1_Strategicperspective
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Response:

The chairman of the institute has apical power in the institute's organization structure, allowing him to make any policy-related decisions. The principal is entirely responsible for the institute's academic administration. HODs have decision-making authority over their departments.

The institution'sadministrative officer oversees day-to-day operations, including purchasing and maintaining equipment, allocating funds according to the year's budget, and submitting appropriate documentation to the auditing committee, among other things. The Governing Council is quite effective, and it has established standards and procedures for hiring teaching and non-teaching faculty, as well as administrative and support employees. The institute's service rules have been drafted to include all relevant elements and to provide guidance to management and all employees in making important decisions.

During the beginning of the academic year, Heads of Departments are asked to submit their department's annual budget under various headings, which are then consolidated and submitted to the Governing Council for approval by administrative officers. Once a week, the Principal hosts a meeting with the department heads to discuss the academic progress and administrative activities of the school. All required information is provided to faculty members at their respective department meetings, and the meeting minutes are correctly communicated.

File Description	Documents
Paste link for additional information	https://builderscollege.edu.in/Downloads/naac/ssr/C6/6.2.2_Policies
Link to Organogram of the institution webpage	https://builderscollege.edu.in/Downloads/naac/ssr/C6/6.2.2_Organogram
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance	**A. All of the above**

and Accounts Student Admission and Support Examination	

File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user inter faces	View File
Any additional information	**No File Uploaded**
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

The institute offers statutory and non-statutory welfare benefits to both teaching and non- teaching employees. Some of the welfare services are also enjoyed by students.

Statutory benefits provided to all the employees

? ESI, PF contributions by the employee and an equal contribution by the employer

? CL, Medical Leave and Maternity Leave

? Group Insurance

Non-Statutory benefits :

? The institute provides financial assistance to attend conferences, seminars and workshops hosted by other institutions and professional organizations.

? Staff members who use campus transportation services receive a 100% discount.

? All faculties can use a separate system that gives them access to the Internet to learn more.

? On-campus staff housing is provided. Staff quarters are assigned on a first-come,

first- served basis.

? Management recognizes and honors faculty members who achieve 100 percent results every semester during annual day.

Benefits provided to Students

? Students who meet the sports quota are eligible for a fee waiver and free accommodation.

? Dr. E. M. Ashok, a psychiatrist, has been expressly appointed to assist pupils with any personal difficulties.

File Description	Documents
Paste link for additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C6/6.3.1_Master_link
Upload any additional information	[View File]()

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

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

11

File Description	Documents
Upload any additional information	[View File]()
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	[View File]()

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

05

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	**No File Uploaded**
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

44

File Description	Documents
IQAC report summary	**No File Uploaded**
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	**No File Uploaded**
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Annually, the performance of teaching and non-teaching staff members is evaluated through a performance appraisal system. The institute has a well-organized method for evaluating employee performance. The principal is the last arbiter of the teaching and non- teaching staff's performance. The performance appraisal method is used to determine promotions, awards, and appreciation for all employees. This approach serves as a motivator for employees to work with greater zeal and improves the reputation of the institute by providing a better career path for employees.

Parameters of Performance Appraisal – Teaching Staff

1. No. of subjects handled, students' feedback and university results

2. Participation in seminars, conferences, workshops and FDPs

3. Organizing seminars, conferences, workshops and FDPs

4. Papers presented at conferences

5. Papers published in national and international journals

6. Books published by faculty members

7. Attending NPTEL Courses

8. Additional responsibilities held by the faculty members

9. Proposals submitted to funding agencies

10. Value-added programs are conducted during the academic year

11. Ratings by HODs, Principal, CEO/Management

Parameters of Performance Appraisal – Non-Teaching Staff

Non-teaching staff employees are given honours and recognition based on their performance, technical skills, lab and record management, timeliness, absenteeism, participation in college yearly events and so on.

File Description	Documents
Paste link for additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C6/6.3.5_Master_link
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

6.4 Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The institute has an effective internal and external audit mechanism in place to verify income and expenditure statements, and the comprehensive audit report is sent to management through the Principal.

Internal Audit

Collection of tuition fees, salary distribution, tax payment, loan distribution, purchase orders for all necessary materials, and maintenance are all handled by the finance department, which is led by the administrative officer (Finance). Every year in January, the internal auditor and his team conduct an internal audit and submit a report to the principal. The internal audit findings are being addressed by management and the principal, who are taking the required steps to ensure that income and expenditures are in line with the budget proposal.

External Audit

The management team appoints the external auditor. He comes to our office on a regular basis to audit our books of finances. The audit report is provided to Management for review by the auditor when the audit is completed. Every year in March, an external audit is performed. There is no adverse remark on the institution's finances as of the date of the previous external audit. Every year, the organization files its income tax returns well in advance of the deadline.

File Description	Documents
Paste link for additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C6/6.4.1_insitution_audit_2021-22.pdf
Upload any additional information	No File Uploaded

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0

File Description	Documents
Annual statements of accounts	**No File Uploaded**
Any additional information	**No File Uploaded**
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	**No File Uploaded**

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Being a Self Financed Institute, fee collection is the major source of income generation for the institute. In addition to the income from fees, institute has few other sources to mobilize funds to meet out the expenditures. Individual Departments are playing a vital role in sourcing the funds for the college through Research Grants, Funded Projects, Management Development Programmes, Consultancy Assignments. TNSCST also awards grants based on research applications, allowing students to pursue studies and cover the costs associated in meeting out the breakups associated with the project.

During the commencement of every Academic Year, the budget is prepared by the Department by considering various expenses heads well in advance. Some of the key highlighting heads considered while preparing budget are Repair Maintenance of Consumables, Parents Meeting, Programme Participation by Teaching and Non-Teaching Community, Faculty Development Programme, Professional Bodies, Travelling Expenses etc., The prepared budget is forwarded to the Principal and in HOD's meeting Principal elucidate the Budget Proposals for discussion. Then it is sent to the management for approval. In addition to the above expenses head, provisions like books, salaries, maintenance expenses such as electricity, water, telephone etc., are also considered as a heads towards utilizing the allotted funds.

File Description	Documents
Paste link for additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C6/6.4.3_budget_2021-22.pdf
Upload any additional information	**No File Uploaded**

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

The IQAC department was established at the institution to promote common transparent incremental development and it is adopting a number of steps to construct various quality assurance measures.

- **The induction programme is an annual event that takes place at the start of each academic year for all admitted students. It's a promising start because the programme ensures that the admitted students chose the right college choice..**
- **The institute adheres to strict student skill development programmes that begin in the first semester of each batch. The institute's objective is to prepare rural students for successful jobs, thus these programmes are geared toward that goal. During their 2 or 4 years of education, students will participate in a skill development programme established by the training and placement cell with the help of IQAC.**
- **The mentoring method at the institute takes a systematic approach to guiding students toward their objectives. Students ranging from 10 to 20 are assigned to each faculty of the university for frequent monitoring and guiding activities.**
- **Faculty seminar programmes give a forum for faculty to present new ideas, new instructional pedagogies, create interest, and push faculty members to action that is particular to faculty needs. Faculty seminars are held at the departmental level to share new ideas in the subject and enhance teaching methods.**

File Description	Documents
Paste link for additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C6/6.5.1_additionallinks.pdf
Upload any additional information	No File Uploaded

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The IQAC analyses the teaching learning process and approaches at regular intervals using the IQAC's recommended norms.

- **Teaching Learning Process and Learning Outcomes**

After subject allocation, each faculty member is needed to compile a course file to verify the success of the teaching-learning process, which is audited by the IQAC at the end of each semester. Improvements for better teaching methodology, course material, and improved outcomes are offered by auditing the course file by either the HOD or the topic expert. Regular meetings between the principal and the IQAC are held to review the academic process and the teaching learning process.

- **Review Meetings**

Regular class committee meetings, department meetings, and HODs meetings with the Principal are held at the institute to discuss and enhance the students' performance. At the end of each semester, students' input is collected, and this data is used to determine subject assignments for the following semester. Subject in-charges are given ample leeway by the institute to engage in self-motivated activities for their subjects in order to boost student performance.

- **Training and Placement Cell**

A separate training and placement cell is run by the institute's training officer and placement officer, respectively. Training activities begin in the first semester, and company-specific training is provided during the interview process.

File Description	Documents
Paste link for additional information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C6/6.5.2_additionallinks.pdf
Upload any additional information	**No File Uploaded**

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	**A. All of the above**

File Description	Documents
Paste web link of Annual reports of Institution	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C6/6.5.3_additionallinks.pdf
Upload e-copies of the accreditations and certifications	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

1.Safety and Security

** 1. Class room and laboratories**

The Class room and the laboratories are well equipped. To ensure the safety in the laboratories, students are instructed to wear

coat, shoes and proper safety measures.

(b) Hostel safety and security

A separate hostel facilities is being provided to Ladies and Gents inside the campus. Separate security is appointed for the ladies hostel and they keep vigilant to maintain the safety and security. Internal Complaints Committee against Sexual Harassment constituted.

(c) Transport safety and security

Transportation facility for faculty and students is provided by college-owned buses.

(d) Cyber safety

Internet facility has been provided to all 24x7 and systems are protected with firewall. Camera facility is also provided to monitor all activity in and outside of the campus.. 2.Counselling

Mentors are allocated to the students to counsel their academic and personal problems to create fearless environment. A doctor is appointed to address the stress and health issues for the students.

3. Common Rooms and medical care

Common rooms are available for students. These rooms are well ventilated and has washrooms,etc.Medical facilities like first aid box are kept for emergency. Healthcare centre available inside the campus..

File Description	Documents
Annual gender sensitization action plan	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C7/7.1.1_Programmes
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C7/7.1.1_Geo_tagged_Photo

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Solid Waste Management:

Biodegradable and non-biodegradable dustbins are placed in various locations in the campus. The wastes collected from the bins are disposed through the compost pit. Non-biodegradable wastes are disposed through agency. Biogas plant is used to process the waste.

Liquid Waste Management:

Our college has 115m3 capacity STP, which will collect the waste water through sewer pipeline. From the outlet chamber the water is pumped and carried through pipeline for gardening.

E-Waste Management:

The institution initiated E- waste management with the motto of

creating an eco-friendly environment in the campus. When the electronic equipmenthasbecome obsolete and malfunction, it will be stored in the e-waste storage room. It will be collected by the agency.

Waste recycling System:

Our college has installed bio gas plant with the capacity of 45m3 to process food waste and other biodegradable waste. After the anaerobic digestion, we are getting significant quantity of bio gas and it used for cooking in the mess. Sewage Treatment Plant is used to treat the waste water.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
Policy documents and information brochures on the support to be provided	[View File](#)
Details of the Software procured for providing the assistance	[View File](#)
Any other relevant information	[View File](#)

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

- The college has taken sincere efforts to reinforce the significance of the classical and mother language Tamil by forming a Tamil Mandram club.
- Debate clubs are active and serve to improve the usage of English which very essential for the academic as well as placement too.
- Health awareness program is conducted to the students to aware about their basic symptom and their precautions to be handled in their early stages of the issues.
- Every year Women's Day is celebrated in a very grand manner where in women celebrities from various walks of life are felicitated.
- Traditional activities will be encouraged by celebrating their traditional functions like Pongal, etc., to reinforce the cultural identity of the state.
- Ayutha pooja celebrations will be carried out every year in our campus with great spiritual attitude by cleaning every lab, equipments and buses. The rituals done for the ceremonious "Ayutha Pooja" festivals.
- A special COVID-19 Vaccination Camp is held at our college campus for their students, Parents and staff Members at their critical stage of availability.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

- We celebrate Independence Day every year on15th August as a national holiday in India to commemorate the independence of the nation from the UK on 15 August 1947.
- National Flag for 75th
- Independence Day is hoisted by C. Jeyakumar, Revenue Inspector, Nathakadiyur. He spoked about how an individual can took part in the development of Indian National among the world like Mahatma Gandhi.
- Republic Day Flag is hoisted by EBET foundation Chairman Thiru. N. Ramalingam. He addresses the gathering appealing to their nationalistic spirit and urging them to take pride in being an Indian and fulfilling one's duty with responsibility.
- The resource person Mr. E. Thiruneelakandan started delivering his views on Energy Conservation.
- Meenakshi umesh had spoken about "sustainable architecture invites sustainable living" in Environment Day celebrations she elaborately describes the utility, strength and beauty are the strength of architecture.
- Human Rights and Professional Ethics are the subject which acquires the basic knowledge of human rights and ethics against natural moral and legal rights in India.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C7/7.1.9
Any other relevant information	Nil

7.1.10 - The Institution has a prescribed code of conduct for students, teachers,	A. All of the above

administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff   4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

World Environment Day

Environment Day is celebrated to spread awareness among the students and faculties about importance of rapid decline of the environment.

International Yoga Day

International Yoga Day is celebrated on 21 June by practicing various 'asanas' and raising awareness of the many benefits of practicing yoga.It aims to develop a habit of meditation for peace of mind, self-awareness which is necessary to survive in a stress free environment

Independence Day

Independence Day is celebrated every year on 15th of August. The day marks the importance of political freedom. The events begin with hoisting of the tricolor, followed by recitation of the National Anthem

Energy Conservation Day

National Energy Conservation Day celebrated on December 14. The objective to celebrate National Energy Conservation Day is to drive mass awareness about the importance of energy efficiency and conservation.

Republic Day

Republic Day is celebrated at the campus with highest regard to honor the date on which the constitution of India came into effect.

Women's Day

International Women's Day is a globally celebrating the social,economic,cultural,and political empowerment of women.

To show the respect of Female College celebrates Women's Day on 8th March every year in the campus .

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	**No File Uploaded**

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Best Practice 1

1. Title of the Practice

Career Oriented Skill Development Training

2. Objectives of the Practice

Toenhance the skill component of students and empower them to be

job worthy.

3. The Context

To train and expertise the students to meet the present day requirements in the developing society.

4. The Practice

We Practiced training courseswhich cater to the requirements of various professional fields.

5. Evidence of Success

The Training programme has improved the success rate of the students in the final placement interviews.

6. Problems encountered and Resources required

In a tightly scheduled pattern, time management is one of the biggest challenges in giving industry-academic interface.

BEST PRACTICE-2

1. Title of the Practice: Project Based Learning

2. Objectives of the Practice:

The instructional approach designed togive students the opportunity to develop knowledge and skills through engaging projects

1. The Context

Project Based Learning is ateachingmethod in which student's gains knowledge and skills by working for an extended period of time.

1. The Practice

Each department of our institution is embedded with special laboratories for project work.

1. Evidence of Success

By this method of learning the students are provided with the

opportunities for working in groups, finding and evaluating
research materials, and life-long learning.

File Description	Documents
Best practices in the Institutional website	https://builderscollege.edu.in/Downloads/naac/aqar/2021-22/C7/7.2 Supporting Documents.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Entrepreneurship Development Cell (EDC)

Builders Engineering College elevating rural students by offering
a variety of value added events. All the events organized through
Entrepreneurship development cell have empowered the skills and
knowledge to become a future successful entrepreneur.

The prime goal of Entrepreneurship Development Cell is to foster
entrepreneurial spirit in the young minds so that it leads to
generation of wealth and employment opportunities. The purpose is
to meet the needs of social development, encourage student's
employability, and alleviate social pressure. First, the domestic
and international employment situation is discussed along with the
derivation of entrepreneurship education.

The integration of entrepreneurship education into professional
courses is of great help to cultivate students' independent
ability. Innovatively, the ideological and political education and
entrepreneurship education of college students are combined from
the perspective of entrepreneurial behaviour of college students.

Entrepreneurship education is a new educational concept that has
emerged with social development and can provide entrepreneurs with
skills in technologies, management, and social communication help
them start businesses in different fields, open up new development
paths, inject vitality into social development, and provide more
choices for employees.

Our institution has initiated successful programs like, Smart

India Hackathan-2022, what's New, You Can, Etc.

File Description	Documents
Appropriate web in the Institutional website	[View File]()
Any other relevant information	**No File Uploaded**

7.3.2 - Plan of action for the next academic year

1. To encourage students to launch their own firms, the college plans to undertake more entrepreneurship programmes. 2. Strengthen IIC Activities for the upcoming academic year 3. To encourage and assist more students in taking part in hackathons. 4. To increase student and faculty publication in the upcoming academic year. 5. To carry out more initiatives for outreach in the adjacent villages 6. To continue giving needy and worthy students access to a formal education by offering institution scholarships 7. Encourage faculty members to submit proposals tofunding agencies.