



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution

Babasaheb Naik College of Engineering

- Name of the Head of the institution

Dr. Avinash M Wankhade

- Designation

Principal

- Does the institution function from its own campus?

Yes

- Phone no./Alternate phone no.

07233245229

- Mobile no

9764996777

- Registered e-mail

principal@bncoepusad.ac.in

- Alternate e-mail

amwankhade@gmail.com

- Address

SoothGirni KakadDati KarlaRoad

- City/Town

Pusad

- State/UT

Maharashtra

- Pin Code

445215

2.Institutional status

- Affiliated /Constituent

Affiliated

- Type of Institution

Co-education

- Location

Rural

- Financial Status **Self-financing**
- Name of the Affiliating University **Sant Gadge Baba Amaravati University**
- Name of the IQAC Coordinator **Prof. Dr. K. Ravi**
- Phone No. **07233245309**
- Alternate phone No. **8962242507**
- Mobile **9420182009**
- IQAC e-mail address **bncoenaac@bncoepusad.ac.in**
- Alternate Email address **ravik66@rediffmail.com**

3. Website address (Web link of the AQAR (Previous Academic Year))

<https://www.bncoepusad.ac.in/images/iqac/aqar2021.pdf>

4. Whether Academic Calendar prepared during the year?

Yes

- if yes, whether it is uploaded in the Institutional website Web link:

https://www.bncoepusad.ac.in/academics_calender2122.html

5. Accreditation Details

| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to |
|----------------|----------|-------------|-----------------------|-------------------|-------------------|
| Cycle 1 | B | 2.46 | 2019 | 28/03/2019 | 27/03/2024 |

6. Date of Establishment of IQAC

30/10/2017

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 |
|-----------------------------------|------------------------|------------------|-----------------------------|--------------|
| BNCOE | ATAL Online FDP | AICTE WRO | 5 Days | 93000 |

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 **4**

- 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)

Submitted FDP, STTP proposals to AICTE

Organised webinar, STTPs, FDPs

Students participation in extension activities

Technical help to rural areas people

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 |
|--|--|
| Submitted proposal of FDP, STTP | received sanction letters and will be conducted in the Session 2022-232 |
| Enrolling PhD Research scholars | Scholars were registered Computer Science and Engg. Department |
| Financial support to COVID effected faculty and students for Social welfare and other purposes | Number of faculty and staff received financial help from the institute for treatment and for personal problems such their wards tution fee and children marriagees etc |
| Students participating in extension activities | Students were participated in various extension activities such as Techno-Rural Vision Competition (National Level - online), Gram Arogya Health Awareness Information, Agricultural and animal husbandry Advisory Information |

13. Whether the AQAR was placed before statutory body? **No**

- Name of the statutory body

| Name | Date of meeting(s) |
|------|--------------------|
| Nil | Nil |

14. Whether institutional data submitted to AISHE

| Part A | |
|--|---------------------------------------|
| Data of the Institution | |
| 1.Name of the Institution | Babasaheb Naik College of Engineering |
| • Name of the Head of the institution | Dr. Avinash M Wankhade |
| • Designation | Principal |
| • Does the institution function from its own campus? | Yes |
| • Phone no./Alternate phone no. | 07233245229 |
| • Mobile no | 9764996777 |
| • Registered e-mail | principal@bncoepusad.ac.in |
| • Alternate e-mail | amwankhade@gmail.com |
| • Address | SoothGirni KakadDati KarlaRoad |
| • City/Town | Pusad |
| • State/UT | Maharashtra |
| • Pin Code | 445215 |
| 2.Institutional status | |
| • Affiliated /Constituent | Affiliated |
| • Type of Institution | Co-education |
| • Location | Rural |
| • Financial Status | Self-financing |
| • Name of the Affiliating University | Sant Gadge Baba Amaravati University |
| • Name of the IQAC Coordinator | Prof. Dr. K. Ravi |

| | | | | | |
|--|---|----------------|-----------------------------|---------------|-------------|
| • Phone No. | 07233245309 | | | | |
| • Alternate phone No. | 8962242507 | | | | |
| • Mobile | 9420182009 | | | | |
| • IQAC e-mail address | bncoenaac@bncoepusad.ac.in | | | | |
| • Alternate Email address | ravik66@rediffmail.com | | | | |
| 3.Website address (Web link of the AQAR (Previous Academic Year)) | https://www.bncoepusad.ac.in/images/iqac/aqar2021.pdf | | | | |
| 4.Whether Academic Calendar prepared during the year? | Yes | | | | |
| • if yes, whether it is uploaded in the Institutional website Web link: | https://www.bncoepusad.ac.in/academics_calender2122.html | | | | |
| 5.Accreditation Details | | | | | |
| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to |
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| 6.Date of Establishment of IQAC | | | 30/10/2017 | | |
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| Institutional/Department /Faculty | Scheme | Funding Agency | Year of award with duration | Amount | |
| BNCOE | ATAL Online FDP | AICTE WRO | 5 Days | 93000 | |
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| • Upload latest notification of formation of IQAC | | | View File | | |
| 9.No. of IQAC meetings held during the year | | | 4 | | |
| • Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional | | | Yes | | |

| | |
|--|------------------|
| website? | |
| <ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report | No File Uploaded |
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| | |

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|--|--|
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13. Whether the AQAR was placed before statutory body?

No

- Name of the statutory body

| Name | Date of meeting(s) |
|------|--------------------|
| Nil | Nil |

14. Whether institutional data submitted to AISHE

| Year | Date of Submission |
|---------|--------------------|
| 2021-22 | 27/12/2022 |

15. Multidisciplinary / interdisciplinary

Multidisciplinary / interdisciplinary subjects were introduced through the university syllabus as open elective subjects for different engineering programmes.

| |
|---|
| 16.Academic bank of credits (ABC): |
| Till now Not evolved any Academic Bank Credits, we plan for 2022-23, depends on the university directions. |
| 17.Skill development: |
| College authority will take extra efforts to bring out certificate courses in the different fields of Engineering curriculum in the college through university dept. of Lifelong Learning and Extension Services https://www.sgbau.ac.in/departments/LifeLong/Courses.aspx |
| 18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course) |
| To give more clarifications related to subject concept, principles, formulae, etc, in the regular class lectures. Faculty are taking extra care and efforts to make students to understand the basics of that concern subject through in their mother tongue. |
| 19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE): |
| For each programm's course objectives and outcomes are welldefined by the university in the syllabus.,Theory with practicals oriented teaching methods are evolved and concern subject's faculty will focus on Outcome Based Education. and also course eit and programme exit survey are comducted. |
| 20.Distance education/online education: |
| Classes were taken on Online during COVID-19 situation. Extra classes are engaged on Online for the students who are slow learners and who are missed / not attended the regular classes due to their own problems. |

Extended Profile

1.Programme

1.1

9

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

| File Description | Documents |
|------------------|---------------------------|
| Data Template | View File |

2.Student2.1 690

Number of students during the year

| File Description | Documents |
|---|---------------------------|
| Institutional Data in Prescribed Format | View File |

2.2 471Number of seats earmarked for reserved category as per GOI/
State Govt. rule during the year

| File Description | Documents |
|------------------|---------------------------|
| Data Template | View File |

2.3 291

Number of outgoing/ final year students during the year

| File Description | Documents |
|------------------|---------------------------|
| Data Template | View File |

3.Academic3.1 80

Number of full time teachers during the year

| File Description | Documents |
|------------------|---------------------------|
| Data Template | View File |

3.2 80

Number of sanctioned posts during the year

| Extended Profile | |
|---|---------------------------|
| 1.Programme | |
| 1.1 Number of courses offered by the institution across all programs during the year | 9 |
| File Description | Documents |
| Data Template | View File |
| 2.Student | |
| 2.1 Number of students during the year | 690 |
| 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 | 471 |
| File Description | Documents |
| Data Template | View File |
| 2.3 Number of outgoing/ final year students during the year | 291 |
| File Description | Documents |
| Data Template | View File |
| 3.Academic | |
| 3.1 Number of full time teachers during the year | 80 |
| File Description | Documents |
| Data Template | View File |

| 3.2 | 80 |
|---|---------------------------|
| Number of sanctioned posts during the year | |
| File Description | Documents |
| Data Template | View File |
| 4.Institution | |
| 4.1 | 47 |
| Total number of Classrooms and Seminar halls | |
| 4.2 | 15359100 |
| Total expenditure excluding salary during the year (INR in lakhs) | |
| 4.3 | 798 |
| Total number of computers on campus for academic purposes | |

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

The institute follows the curriculum prescribed by the Sant Gadge Baba Amravati University. The institute has developed mechanism for effective curriculum delivery and monitoring.

Each program offered by the institution has clearly stated learning outcomes in terms of Program Outcomes (PO's), Program Specific Outcome (PSO) and Course Outcomes (CO'S).

Institute prepares its own semester wise Academic Calendar well in advance before commencement of semester.

At beginning of semester each subject teacher prepares teaching plan for effective coverage of syllabus in time. HOD obtains the syllabus coverage of each subject at regular intervals to ensure syllabus is completed on time. Attendance and Internal test marks of each subject are displayed on notice board at the end of month. At the end of semester, student's feedback, course

exit survey and program exit survey is obtained. Result analysis of student performance in University examinations for each subject is carried out.

The student's association in each branch conducts various activities including expert lectures, training programs, field visits, etc. Institute also motivate and encourage students to participate in national/state level paper contest and technical models competitions.

The institute thus ensures that academic quality and curriculum delivery is implemented with total quality, planned and documented process.

| 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)

Institute prepares its own semester wise Academic Calendar well in advance before commencement of semester considering on the basis of Academic Calendar of the University.

The Academic calendar include all specific details including internal assessment dates , Govt./University holidays , tentative dates for vacations, cultural gathering, paper contest, last working date of semester etc.

The Tentative schedule is first distributed in HOD's meeting and based on discussions final schedule is decided and approved. The approved calendar is published and circulated to all the staff and students and also uploaded in the college website for information and compliance. Based on the approved calendar class time table is prepared and displayed. The faculty strictly adheres to the academic calendar and accordingly prepare teaching plan informing the details of number of periods needed to cover each unit of syllabus.

For continuous internal evaluation (CIE) process the institute adheres to the academic calendar .Each department prepare and displayed the time table of the internal examination in advance.

The internal evaluation related activities like monthly attendance and internal test marks are displayed on the notice board.

Institution thus ensured that activities mentioned in the academic calendar are rigidly followed.

| 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

A. All 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

| File Description | Documents |
|---|---------------------------|
| Any additional information | View File |
| Minutes of relevant Academic Council/ BOS meetings | No File Uploaded |
| 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)

4

| File Description | Documents |
|---|---------------------------|
| Any additional information | View File |
| Brochure or any other document relating to Add on /Certificate programs | No File Uploaded |
| 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

222

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

1.3 - Curriculum Enrichment

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

To integrate the cross cutting issues such as Gender, Environment and sustainability, Human values and professional Ethics into curriculum the institute does the following;

Gender Sensitization

- Awareness workshops, seminars, and Expert lectures are conducted to aware the girls about the constitutional rights and rules their security and safety in social livings.
- Equal opportunities are given to both girls and boys to participate in various academic, co-curricular and extracurricular activities and training programs.
- Women Cell is established in the Institute to look into the problems of girl students. This cell evaluates assists and supports institute to implement a policy of zero tolerance in campus for gender-based violence and harassment.
- The institution has provided helpline numbers, complaint boxes and installed CCTV cameras in different areas in view of safety and security of girls.

Environment and Sustainability

Subjects on Environmental Studies, Non-Conventional energy System, Water Resources Management are included in the curriculum to make student aware on environmental issues. Many Projects are undertaken by final year students relating to environmental issues.

Human Values and Professional Ethics

Subject on Professional Ethics are included in the curriculum to build up moral and ethical values among students.

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

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

5

| File Description | Documents |
|--|---------------------------|
| Any additional information | View File |
| Programme / Curriculum/ Syllabus of the courses | No File Uploaded |
| Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses | No File Uploaded |
| 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

295

| 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 C. Any 2 of the above

| File Description | Documents |
|---|---------------------------|
| URL for stakeholder feedback report | Nil |
| 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 | No File Uploaded |

1.4.2 - Feedback process of the Institution may be classified as follows

B. Feedback collected, analyzed and action has been taken

| File Description | Documents |
|-----------------------------------|---------------------------|
| Upload any additional information | View File |
| URL for feedback report | Nil |

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

690

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| 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

489

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| 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

Engineering education system is escalating at an exceptional rate. Therefore it is the fact that aspiring students come from highly assorted backgrounds, capabilities. The Institute has developed a mechanism to monitor, evaluate and improve their

academic and overall performance.

Slow learners and advanced learners are identified on the basis of:

- Performance in the First sessional exam
- Special educational needs are identified by the mentor.
- test is conducted to assess the language skills in English and special course is devised.

Slow learners: Remedial classes for specific topic are arranged & personal attention is given by faculty. Student not able to grasp the teaching in regular classes, are assisted by revising of important concepts. Extra assignments are given to strengthen their learning. Simplified learning material and handouts are provided to students. Extra lectures are scheduled for the students admitted through lateral admissions.

Advanced learners are encouraged to pursue further knowledge in their area of interest by recommending reference books, research papers and hobby projects. Training programs on some specific area, not covered in syllabus but useful for career opportunities, are conducted. The institution encourages students to participate in inter-collegiate events such as Technical Paper Contest, Model Competition and Software Competition.

| File Description | Documents |
|---------------------------------------|------------------|
| Paste link for additional information | Nil |
| Upload any additional information | No File Uploaded |

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

| Number of Students | Number of Teachers |
|--------------------|--------------------|
| 690 | 80 |

| 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

The syllabi of Sant Gadge Baba Amravati University, Amravati are designed and structured to provide sufficient scope for experiential learning, participative learning and problem solving methodologies. Moreover, the syllabus is regularly updated to keep pace with the technological developments. The institute make a sincere effort to achieve the goals of University syllabus.

Seminars and projects are chosen based on current technological. The students are encouraged to undertake in plant training at various industries during their vacation period to know practical aspects of engineering. Industrial visits are also arranged.

In students' Technical associations, Professional societies and Clubs, the faculty member acts as a facilitator and helps students for developing their organizational abilities, leadership qualities, time and financial management, and Inter personal communication.

Faculty and students are encouraged to use NPTEL and other open source digital courses.

The institution also conducts activities like technical paper contest and Technical model competition to encourage students to participate in academic and co curricular activities.

Additionally, various departments conduct a number of activities like seminars, debates and elocution on current issues, group discussions, and quizzes. Such activities improve the confidence level, oratory skills and knowledge prowess of students. Students have access to e-journals and e-books.

| File Description | Documents |
|-----------------------------------|------------------|
| Upload any additional information | No File Uploaded |
| Link for additional information | Nil |

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

In addition to the traditional classroom education Institute also follows ICT enabled teaching. During the pandemic, online

teaching was conducted. In order to carry out online teaching, arrangements were made in class using web cameras, stands and other accessories to focus image on the blackboard. To ensure maximum effectiveness in teaching, several innovative processes like usage of whiteboards in Microsoft Teams, using pointers and animation for Power-point presentation, using digital tablets, etc. were carried out. Following efforts are taken by the institute to provide e-learning atmosphere in the classroom:

1. In addition to chalk and talk method of teaching, the faculty members are using the IT enabled learning tools such as PPT, Video clippings , Audio system, online sources, to expose the students for advanced knowledge and practical learning.
2. Classrooms are fully furnished with LCD/OHP/Computers
3. Most of the faculty use interactive methods for teaching. The major emphasis is on classroom interaction in terms of seminars, debates, group discussions, assignments, quiz/tests/viva and laboratory work.

Institute premises are Wi-Fi enabled

1. Specialized computer laboratory with an internet connection has been provided to promote independent learning. MAC-ID based Wi-Fi facility for access of internet is provided on individual laptop and mobile devices.
2. Well security is provided to Wi-Fi users. Its access is controlled by the system administrator

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

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

38

| File Description | Documents |
|--|---------------------------|
| Upload, number of students enrolled and full time teachers on roll | No File Uploaded |
| Circulars pertaining to assigning mentors to mentees | View File |
| Mentor/mentee ratio | No File Uploaded |

2.4 - Teacher Profile and Quality

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

80

| File Description | Documents |
|--|---------------------------|
| Full time teachers and sanctioned posts for year (Data Template) | View File |
| Any additional information | No File Uploaded |
| List of the faculty members authenticated by the Head of HEI | No File Uploaded |

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

16

| File Description | Documents |
|--|---------------------------|
| Any additional information | No File Uploaded |
| 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

1367

| File Description | Documents |
|--|---------------------------|
| Any additional information | No File Uploaded |
| 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.

For each theory subjects, three internal tests are conducted at dates specified in academic calendar. Additional test is conducted for improving the performance of students. The merit of the internal test papers and evaluation techniques are also analyzed and necessary suggestion are passed on to the concerned teacher to modify the quality of questions to inculcate the culture of higher level thinking. Departmental meeting of faculty members of each department is conducted at regular intervals under guidance of Head of Department to review various academic parameters including internal evaluation, University result analysis, students' feedback (formal and informal), etc. Attendance of the students is also taken into consideration for calculation of internal assessment marks.

At the end of semester, students' feedback for each course is taken, analyzed and discussed. Good performance of faculty is appreciated and faculty with below par performance are instructed to improve their performance by taking suitable measures.

The performance of students in internal tests is conveyed to students and parents through mentor. On-line entry of internal assessment marks: Institute has provided the facility to fill-up online internal assessment marks and practical examination marks of the students as per the directives from the SGB

| File Description | Documents |
|---------------------------------|------------------|
| Any additional information | No File Uploaded |
| Link for additional information | Nil |

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

The institution organizes orientation program for the first year students to make them acquainted with the rules and regulations of the affiliating university, examinations, evaluation process, etc. For theory subjects, three internal tests are conducted at dates specified in the academic calendar. Additional test is also conducted if performance of students is not to the mark or student is on leave at the time of test. Average of performance of best two tests is taken for internal marks calculations. Additionally, home assignments are given to the students for improvement. Attendance of the student is also taken into consideration for calculation of internal assessment marks. Results of tests are displayed on students' notice. Answer books of tests are circulated to students in class-room along with discussion of correct answers. There is well defined mechanism to address the students' grievances.

For practical, weight age is given to timely submission and performance of practical work. An experiment conducted by the student is written and submitted for evaluation in the next practical slot. Review of the progress in the students' project work is taken regularly. Students' seminars and projects are evaluated by a panel of three experts constituted by the Head of the department.

| File Description | Documents |
|---------------------------------|------------------|
| Any additional information | No File Uploaded |
| Link for additional information | Nil |

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.

The course outcomes (COs) are well defined for every course. Every CO is aligned to one or more POs, and is measured at the end of the course, through various assessments, designed

specifically to effectively measure the CO and contribute to the PO that it is mapped to.

The number of COs for a course is not fixed, and may have about six COs. Few courses may have as few as three COs, while courses like the project may have as high as twelve COs. While defining the COs, it has ensuree that they are not an abridged version of the course content, but instead, through every CO, it attempt to specifically address one or more POs through the course content and its assessments. When COs are well defined, the CO-PO mapping becomes redundant, as one can map the CO to the PO through comprehending the essence of the CO. However, the strength of the mapping is dependent on the course instructor and this component, necessitates the need to have the CO-PO mapping together with its strength.

| File Description | Documents |
|---|---|
| Upload any additional information | No File Uploaded |
| Paste link for Additional information | https://www.bncoepusad.ac.in/images/iqac/agar2022/2.6.1.pdf |
| Upload COs for all Programmes (exemplars from Glossary) | No File Uploaded |

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

The course outcomes (COs) are produced based on the requirement of the programme outcomes (POs). Each CO is mapped to PO. Attainment of CO is evaluated using the direct and indirect methods. Direct method is based on students' marks which involves the following assessment tools

1. Final exam
2. Internal Tests
3. Practical performance
4. Home Assignments
5. Project & Seminar.

Indirect methods include Student Exit Survey and Alumni Survey.

Target is set for CO of each course. CO attainment is computed as follows:

Direct Attainment of CO in a course = Weightage of Internal Exam(IE) x Attainment of CO as % in IE + Weightage of External Exam(EE) Marks x Class Average Marks % in EE

Indirect Attainment of CO in a course = Attainment of CO through Course exit survey

Computation of Attainment of COs in a course = 0.8 x Direct CO Attainment + 0.2 x Indirect CO Attainment.

CO attainment gap is then calculated. Based on the CO attainment gap, action is proposed to bridge the gap.

The program outcomes and Program Specific outcomes are assessed with the help of Course outcomes of the relevant courses. Additionally PO/PSO assessment is done through indirect method - Alumni survey.

Further Details mentioned in the web link

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for Additional information | https://www.bncoepusad.ac.in/images/igac/agar2022/2.6.2.pdf |

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

208

| 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 | No File Uploaded |
| Paste link for the annual report | Nil |

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://www.bncoepusad.ac.in/images/igac/aqar2022/2.7.pdf>

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)

0

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| e-copies of the grant award letters for sponsored research projects /endowments | No File Uploaded |
| 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

14

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| 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

0

| File Description | Documents |
|---|------------------|
| List of research projects and funding details (Data Template) | No File Uploaded |
| Any additional information | No File Uploaded |
| Supporting document from Funding Agency | No File Uploaded |
| 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

1) College has an internal innovation cell which helps in incubation of innovations up to getting a patent. Patents published to the Teacher/ Students of the Departments are a testimony to the working of a good academic ecosystem.

Sr.No.

Name of ourTeacher

Title

Patent published No. And Date

1

Dr. S. Y. Amdani,

"Probabilistic Path Prediction Using Obstacle Trajectory Detection Over Dynamic Environment"

Indian Patent 202121049333 dated 28-10-2021

2

"Design and Analysis of Network Traffic Classification for Cyber Security using AI Techniques"

Indian Patent202221027338 dated 12-05-22

3

A Real Time Context-Aware Vehicular Communication

Indian Patent 202221027314 dated 12-05-22

4

Extreme Learning Approach for Heterogeneous Data using Unsupervised Multiple Kernels

Australian 2021106050 dated 10-11-2021

5

An Enhancing Visual Data Caption Generation Using Machine Learning

Australian2021106049 dated 10-11-2021

2) Kitchen waste based horizontal biogas plant

3) Solar energy Park

4) Solar Water Heater

| File Description | Documents |
|---------------------------------------|------------------|
| Upload any additional information | No File Uploaded |
| 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

4

| File Description | Documents |
|--|---------------------------|
| Report of the event | No File Uploaded |
| Any additional information | No File Uploaded |
| 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

14

| 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 | No File Uploaded |

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

35

| File Description | Documents |
|--|---------------------------|
| Any additional information | No File Uploaded |
| 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

14

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| 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. Conduction of Government of Maharashtra computer typing exam in two languages (Computer laboratories and manpower provided)

GCC-TBC online Exam English/Hindi Supporting candidates of neighbouring community for capacity building and becoming employable from Nov 2021 and July- AUG 2022 about 1500 Candidates from local community were benefitted

2. Matadaan Jagruti rally was carried with local authorities and Importance of voting and registration of villagers above 18 years was done on 20.03.2022

3. Women empowerment programme for village ladies by experts counselling from Dr. Vandana Wankhedemadam in collaboration with Women's college, Pusad on 23.03.22.

4. Cattle health checkups camp at vadsad adopted village by government veterinary department of Pusad on 21.03.22

| File Description | Documents |
|---------------------------------------|------------------|
| Paste link for additional information | Nil |
| Upload any additional information | No File Uploaded |

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

0

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

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

10

| File Description | Documents |
|--|---------------------------|
| Reports of the event organized | No File Uploaded |
| 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

9

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

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 | No File Uploaded |
| 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

27

| File Description | Documents |
|--|---------------------------|
| e-Copies of the MoUs with institution./ industry/corporate houses | No File Uploaded |
| Any additional information | No File Uploaded |
| 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.

The infrastructure facilities provided by the institute are as detailed below:

- The college campus has sufficient space for all academic, administrative, co-curricular and extra-curricular activities
- Each department of the institute is well equipped with independent classrooms, laboratories, tutorial rooms, workshop and seminar hall etc.

Existing infrastructure of the institute:

Sr. No.

Particulars

Area as per AICTE norms (Sq.m.)

Total Area in Sq. m.

1

Instructional Area

6830

10918.92

2

Administrative Area

1605

2190.61

3

Amenities

1500

14426.44

4

Circulation and others

2484*

14935.9

Total area

12419

42471.87

Note: full details are given in the enclosed view file

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

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

- The Institution has adequate facilities for cultural activities, sports, games(indoor, outdoor), gymnasium, Yoga centre etc.
- The Institute has high class centrally air cooled Auditorium with 800 seating capacity and Open Air Theatre for conduction of cultural events.
- Institute has Student Music Club with musical instruments like Synthesizer Electronic Drum, Electronic Guitar etc. Yoga center is available in the campus with capacity of 40 persons
- The Department of Physical Education provides physical education to the students in various sports & athletics activities.
- The department has two full time Physical education faculties.
- The Department organizes various games and sports activities and supports students like coaching and other facilities for various events in which student participate throughout the year within the campus and represent the college at various events.
- Sufficient space is available in the campus for all indoor and outdoor games with flood light facility.
- The department is well equipped with state-of the-art

facilities like 16 station Multi-gym, & a power-gym with a well equipped hall.

- Indoor facilities are - Badminton Cement courts, Table tennis halls
- Outdoor facilities -Basketball cement court, Cricket, Handball, Football, Volleyball, Softball, Baseball, Kabaddi, Kho-kho, two Lawn Tennis Court.

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

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

24

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | No File Uploaded |
| Paste link for additional information | Nil |
| 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)

54.93

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | No File Uploaded |
| Upload audited utilization statements | No File Uploaded |
| 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)

- Library is automated using LIBSYS 4 Integrated Library Management Software since Academic Year 1999-2000
- From Academic Year 2000-2004 3.2 Version, 2005-2007 5.0 & 5.7.1 Version
- 2008-2010 5.7.2 Version was in use.
- Since Academic Year 2010 LIBSYS6.4 Version I in use till date.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Upload any additional information | View File |
| Paste link for Additional Information | Nil |

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 C. Any 2 of the above

| File Description | Documents |
|--|---------------------------|
| Upload any additional information | No File Uploaded |
| 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)

157938

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

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

6

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| Details of library usage by teachers and students | View File |

4.3 - IT Infrastructure

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

A high-speed network connection that's available 24/7 enables organizations to run modern applications, like office suites and customer relationship management software, that might tax older, slower networks. Employees appreciate an optimized network connection that allows them to complete work faster and move on to the next task.

Another important benefit of a reliable network is collaboration. Online collaboration services let staff use voice or video applications, Online classes to meet one-on-one or in teams, and they make remote employees feel like they're an active part of the Class or office. Due to current demand the Institute has a modern, eco-friendly, fully networked campus with optical fiber cable connectivity between all department ,

laboratories ,research laboratories ,Staff's Quarter , Boys and girls hostels buildings. Students are used online Lab manuals, resources of laboratories to solve problems, perform Developmental experiments and work on projects guided by faculty.

Additional data separately uploaded along with the above information

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

4.3.2 - Number of Computers

798

| 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)

54.93

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | No File Uploaded |
| Audited statements of accounts | No File Uploaded |
| 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.

The maintenance works/activities are coordinated by the nominated Prof in charge in Coordination with the appropriate designated teams and they put up any financial requirements to the Principal and get approval and ensure to carry out all the maintenance work. As under

1. Preventative maintenance
2. Break down maintenance.

The preventive maintenance is carried out by the in-house team and the break down maintenance is carried out by the external agencies, if required.

Separate department and personnel are available for maintenance and repairing of electrical lines

Under the guidance of Head of Computer department central computing facility and internet/Wi-Fi/LAN are maintained.

Library maintenance is carried out by librarian and his personnel in consult with the professor in charge.

Laboratory equipment are serviced by the concern manufacturer, Whenever necessary, the annual maintenance contract is done with the supplier. All the equipments are calibrated whenever required. standard operating procedyres are displayed.

Cleaning of Campus and Classrooms/Seminar halls is carried by Contract sweepers and supporting staff of the college.

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

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

664

| 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

146

| 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

B. 3 of the above

| File Description | Documents |
|---|---|
| Link to Institutional website | https://www.bncoepusad.ac.in/igac_agar2022.html |
| 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

168

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

168

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

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 | View File |
| 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

168

| File Description | Documents |
|--|---------------------------|
| Self-attested list of students placed | View File |
| Upload any additional information | No File Uploaded |
| 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

5

| 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 | View File |
| 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.

0

| File Description | Documents |
|--|---------------------------|
| e-copies of award letters and certificates | No File Uploaded |
| Any additional information | No File Uploaded |
| 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)

The Student Representative Council (SRC), body is formed every year in the institute as per provision of Maharashtra University

acts 1994. The structure of SRC constituted as per norms of Sant Gadge Baba Amravati University, Amravati.

The procedure of constituting SRC body is as under:

1. Topper student from each class, considering their marks secured in both the semesters of previous year, is nominated as CR, provided that He/She should neither be an ATKT student nor a readmitted student in the same class. All CR elects amongst them General Secretary of SRC.

2. Principal constitute the Committee to nominate the eligible student, amongst who applied, for the other SRC posts like Sports Secretary, Cultural Secretary, NSS Representatives, Lady Representatives. Nominations are done on the basis of student's past participation, contribution and performance in respective activity.

Activities of SRC

- To represent students related issues.
- To suggest and organize activities for student developments.
- To organize sports and cultural activities.
- To support NSS activity.

The SRC President & General Secretary are by default nominated on Academic body-Internal Quality Assurance Committee and Administrative Body-College Development Committee of the Institute in each academic year for that session.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Paste link for additional information | Nil |
| 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

15

| 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

The Babasaheb Naik College of Engineering Alumni Association was formally established in 1994. One of the biggest assets of college is its wide, large and powerful alumni base. Babasaheb Naik College of Engineering is proud to have its Alumni of over 10000 engineers, technologists, scientists, consultants, managers, businessmen, entrepreneurs all over the globe.

The registered Alumni Association (BNCOEAA), started in 2018, is a NON-PROFIT organization, dedicated towards building a network of alumnus to foster and promote the growth of BNCOE Pusad. Our Alumni Association contributes significantly to the development of the institute through financial support and other support like:

- Act as a forum for Alumni of BNCOE and institute members for the exchange of information.
- Alumni may contribute in academics and research through allocating/raising funds and/or sharing knowledge and expertise of its members in areas pertaining to academics, infrastructure, industry interactions, and any other area that the alumni and institute fill appropriately.
- They provide support and help to needy meritorious students, and help to the existing students in providing

a. Internship

b. Vocational training and placement.

c. Guest lectures on recent technology

d. Guidance on carrier development

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.bncoeaa.com/ |
| Upload any additional information | View File |

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

| 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

The governance of the college is reflective of and in tune with the vision and mission of the BNCOE. The Principal is the Academic Head of the Institute. At the Institute level on the principle of collective decision making process the Deans HODs along with department faculty are empowered to deal with academic matters at their levels. The Governing Board, as the highest Executive Body, plays the pivotal role of laying down policies, both academic and governance.

CDC (College Development Cell) The Cell deliberates on matters of academic nature and steers the Institute to maintain academic standards of excellence. The cell approves the academic programmes of all department and provides directions for future academic growth and development. The representation from all the stakeholders involve in the process along with IQAC coordinator.

Accounts Section supports and supervises the raising of funds

for the Institute's development and functioning; and also facilitates and monitors finances to ensure transparent and accountable governance. Research & Development Council: The Research Council (RC) provides direction and guidance to the Institute to create an enabling environment for research and sharing; and to position the Institute as an academic leader in the engineering fields.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.bncoepusad.ac.in/index.php |
| 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.

Leadership encourages the participation of all stakeholders in process of decision-making in the functioning of the college. The institution has well defined organisational chart which delineates the roles and responsibilities of all staff members along with well defined objectives, standing and advisory committees to guide them in improving the effectiveness of institutional functioning. The Institute delegate authority and provide operational autonomy to work towards decentralized governance system and to promote culture of participative management. The major decisions pertaining to the functioning of the Institute are taken by the management /Governing Body in LMC/CDC/IQAC meetings, in which all the stake holders are the members.

Further the institute follows the decentralized governance system. The department heads are authorized to take decision in the department level with full academic autonomy within the overall guidelines from Institute.

Portfolios are assigned to the faculty members and supporting and technical staff.

The Institute promotes a culture of participative management which enables stakeholders to voice their opinions and suggestions including constructive criticism .

All academic and administrative activities are decentralized and operational management decisions are taken based on discussion

and deliberations Minutes of such meetings are recorded.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.bncoepusad.ac.in/images/institute/ip2021_22.pdf |
| Upload any additional information | No File Uploaded |

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The Strategic plan of the institute is displayed in the website. The College is working on Three Es - Equity in education and Excellence in academics which will together lead to optimum levels of Employability in tune with the vision, mission, policy, Goal and objectives of the college.

The various aspects of the plan considered for inclusion are;

1. Quality enhancement and improved teaching-learning environment.
2. Enhancement of student support systems.
3. Improved student success rate.
4. To be more innovative, industry-relevant in curriculum design and be more creative in academic delivery; with a strong emphasis on effective integration of technology in the teaching-learning process.
5. The teacher to be more of a facilitator and mentor than just a full time tutor.
6. To establish a research facilities and to nurture and develop research culture among the students and staff.
7. Life skills will be an integral part in curriculum development and delivery.
8. To emphasize on multi-dimensional evaluation of student learning and to enable that student learning outcomes match with their employers expectations

| File Description | Documents |
|--|------------------|
| Strategic Plan and deployment documents on the website | No File Uploaded |
| Paste link for additional information | Nil |
| Upload any additional information | No File Uploaded |

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.

The College has decentralized its operations and has delegated authority at various levels to ensure good governance. Board of Governing Body, College Development Council Council (CDC) and Internal Quality Assurance Cell (IQAC) framed as per norms of AICTE/NAAC/DTE/University and play an important role in framing policies and its execution.

The Principal is the academic and administrative head who monitors the overall functioning and growth of the Institute.

The involvement of the effective leadership is achieved through the well-defined system and organizational structure.

The College has Service and Recruitment Rules and Promotional Rules as per the norms of the Government of Maharashtra/AICTE/ Government of Maharashtra.

The rules, procedures, recruitment and promotional policies are explained in detail in the service book displayed in the college web site.

The various committees which are formed at the beginning of the year and are assigned the tasks according to the institutional plans, for the curricular activities that enhance overall development of students

Examinations, Scholarships, Purchase, Discipline, Sports, Admissions, Library, Academic, Establishment, T&P etc. are created For the smooth conduct of all administrative activities, according to requirements of academic bodies and government rules and headed by senior faculty to guide the function and administration & execution.

| File Description | Documents |
|---|---|
| Paste link for additional information | https://www.bncoepusad.ac.in/institute_service_rules.html |
| Link to Organogram of the institution webpage | https://www.bncoepusad.ac.in/institute_organogram.html |
| Upload any additional information | No File Uploaded |

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

| File Description | Documents |
|--|---------------------------|
| ERP (Enterprise Resource Planning) Document | View File |
| Screen shots of user interfaces | 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 College authority offers the following welfare schemes for all its employees.

Summer and winter vacation to both teaching and non-teaching staff.

The college provides Maternity (180 days) and paternity (15days) leave. Casual leave of 12 days per year for the employees and Medical leave of 10 days each year.

Faculty and staff are entitled to EPF and gratuity. Provident fund for the employees of the college

Institute Encourages and supports the employees by providing

Special Leave/Study Leaves to pursue Project/Doctoral/PostDoctoral research to acquire latest skills

A Professional Counsellor available in the campus to address stress and depression of the Staff and students

Physical Education director/ Instructors are available to maintain a healthy and balanced life.

The Institute has Grievance Redressal committee, Internal complain committee, SC/ST Committee responsible to sort out the issues/complaints, if raised by any staff. Pay advance/Loan facilities with nominal and without interest for employees for their wards fee, weddings of their children, medical purposes (enclosed)

Residential quarters are provided for the faculty and staff

Best Security Guard award given to the security personnel for every year

Special consideration /financialhelp extended to staff & faculty and also precautions are taken to prevent the COVID -19 in the campus

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.bncoepusad.ac.in/institute_service_rules.html |
| 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

0

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | No File Uploaded |
| 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

1

| 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 | No File Uploaded |
| 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

38

| File Description | Documents |
|---|---------------------------|
| IQAC report summary | View File |
| 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

The college's Performance Appraisal System consists of the following components:

The faculty submits self-appraisal report at the end of every academic year.

Every semester the students give feedback about their course teachers.

At the end of every academic year, report of the contributions of the staff members in college activities and their performance is reported by the Head of the Department.

The self-appraisal report and the student feedback are analyzed by the HoD. Based on the student feedback, the HoD gives suggestions for improvement in teaching, if required. The self-appraisal helps to improve an individual's performance and his/her contribution to the institutional activities. Staff Appraisal by the Head of the Department is reviewed by the Principal.

Staff members' performance is discussed and opportunities are created to improve the same.

At the end of every academic session, faculty and supporting staff submit their self appraisal in the form of PBAS for faculty and ACR (Annual Confidential Report) for supporting staff to the concern HoD and concern Section in-charge.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.bncoepusad.ac.in/institute_maintenance_appraisal.html |
| Upload any additional information | No File Uploaded |

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 college has the mechanism for internal and external audit as per details given below:

- **Internal:** An internal approval system for all expenses is in place. Accordingly, every expense voucher is recommended by Prof. In-Charge of the committee / the Head of Department and approved by the Principal. All vouchers are audited by an Internal Auditor on a routine basis.
- **External Audit** Books of accounts are prepared as per statutory requirement and audited annually by external qualified chartered accountants audited regularly as per the Government rules. The auditor ensures that all payments are duly authorized in every financial year

An external auditor is appointed by the college which performs an audit of the financial statements of the college. The financial records of the College are audited after the end of each fiscal year and are certified.

Budget is scrutinized and recommended by CDC. Accounts department monitor whether expenses are exceeding budget provision. Statutory auditors are also appointed who certify the financial statements in every financial year.

The grants received by the college are also audited by certified auditors for their utilization.

There are no major audit objections raised by statutory auditors.

| File Description | Documents |
|---------------------------------------|------------------|
| Paste link for additional information | Nil |
| 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) | View File |

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

The college is self-financed and primary source of income is tuition fees received from the students.

Fee regulating authority of State government approves the tuition fees

College also gets financial sponsorship/awards from Alumni for co-curricular and extra-curricular activities of the students.

The efforts made by the institution in securing additional funding and the utilization of the same for which a regular and systematic effort is taken to generate funding through various Research proposals. The college has a separate Dean for Research and Development to guide the faculty to obtain grant and finance from various funding agencies. Faculty members are encouraged and motivated to submit research proposals to various funding institutions.

The Head of the Department encourages the faculty

members regularly to submit proposal for organizing the FDP/ Seminar/ workshop to funding agencies.

The management ensures that the research fund is being used for the intended purpose only. And if require, extra amount will be provided to get advanced version of equipment etc.

The institute has a policy to retain consultancy amount in the ratio of 70:30 to individual faculty member.

Audited statement and utilization statement are submitted to the concerned agency after the completion of the event.

| File Description | Documents |
|---------------------------------------|------------------|
| Paste link for additional information | Nil |
| 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

IQAC achieve excellent standards of quality education and continual improvement in all concerned processes, to create technocrats of global standards. It continuously strive to achieve standards of excellence in teaching learning, continuous education, research and lifelong learning by remaining accountable in core and supportive functions by self evaluation and constant improvements. IQAC have external members. They contributed by motivating faculty for research and guide them for improvement in teaching learning process.

Set up of IQAC IQAC reviews the Institutional Processes and gives suggestions for quality assurance. Some sample suggestions are as follows.

1 Use innovative teaching methods: Maximum faculties are using LCD, ICT for classroom teaching.

2 To organize Workshops, National conferences, and programs on content beyond syllabus: Embedded C training programes organized.

3 Undertake Research Projects and avail Professional bodies funding: Applications to AICTE for various schemes under

process.

4 Motivate faculty for higher education:Ph.D. Large number of faculty has cleared PET (Ph.D. Entrance) and few are registered for PhD

5 Students and Alumni :contribute to the effective functioning of the IQAC:

6. Dr.APJ Abdul Kalam-Innovation & Incubation Center: The center seeks to build an innovation network with multiple stakeholders like Industries, HEIs, R & D labs and others

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.bncoepusad.ac.in/ini_home.htm <u>1</u> |
| 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

Continuous monitoring of the students' performance and is being mentioned in the academic calendar.

The college regularly monitors the performance through: Monthly student's attendance Test Marks Assessment of program outcome after the internal and external examinations, Mentoring system (Teacher Guardian Scheme) Transparent evaluation procedures for internal assessment

The Institutional mechanisms are in place to continuously review the teaching learning process: The following are few details of its structure, methodologies of operations and outcome,

Internal tests are evaluated & review of the teaching learning process is done. Identify Slow Learners and Advance learners

Monthly review of student's attendance & reporting defaulters to parents is carried out.

Review of University examination results is carried out.

Review of usage of library by both students & faculty.

Remedial and improvement classes for academically Slow Learners

Appropriate measures Such as Motivate for paper presentations/project are taken for Advance learners and monitor their progress. The institution provides training to staff for effective implementation of the Quality assurance procedures.

The Internal quality assurance mechanisms have been designed and formulated in such a way that the outcomes of the mechanisms will automatically fulfill the expectations of external regulatory bodies / quality assurance agencies.

| File Description | Documents |
|---------------------------------------|------------------|
| Paste link for additional information | Nil |
| 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)

C. Any 2 of the above

| File Description | Documents |
|--|---|
| Paste web link of Annual reports of Institution | https://www.bncoepusad.ac.in/images/institute/ar2021-22.pdf.html |
| Upload e-copies of the accreditations and certifications | View File |
| Upload any additional information | View File |
| 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

The women's development cell evaluates, assists and supports our institute to implement a policy of zero tolerance on campus for gender-based bias, and promotes equality.

On August 30, 2021 Online Interaction and counselling programme was conducted with existing students by Prof. P.B. Niranjane

Online Orientation programme for new entrants was organised on October 5, 2021. Principal Dr. Avinash Wankhade and Prof. P.B.Niranjane guided the students about gender sensitization and prohibition of eve-teasing.

Online Counselling session was organised on legal affairs by Adv. Mrs. Anusaya Gajajanrao Deshmukh on November 17, 2021.

On February 10, 2022 an Essay writing competition was held on the topic "Women Empowerment in India".

On 8th March 2022 International Women's day was celebrated , Ms.Priyanka Pophalkar, M. E. (Digital Electronics) , was felicitated for securing first rank in SGBAU University. Dr. Lata Agarwal a well known gynaecologist from the town Agarwal informed the students about health, hygiene and healthy habits. Adv.Mrs. Anusaya Deshmukh a prominent Lawyer, delivered the speech on various provisions in women rights.

A feedback meeting was conducted on May 25,2022 with Principal Dr. Avinash Wankhade sir and all the members of the Women's development cell.

| File Description | Documents |
|---|---|
| Annual gender sensitization action plan | https://www.bncoepusad.ac.in/images/igac/aqar2022/7.1.1.1.pdf |
| 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://www.bncoepusad.ac.in/images/igac/aqar2022/7.1.1.1.2.pdf |

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

Description of waste management facilities in the Institution for the management of the degradable and non-degradable wastes

- 1. Solid Waste Management:** - Solid waste is collected by bins provided at different locations in the campus. The food waste is used in bio gas plant available in the campus. Plant leaves and other garden waste are used for preparing compost. Newspapers are sold to local vendors.
- 2. Liquid Waste Management:** - The waste water from the various departments is collected by a network of underground and open drains and disposed into a nallah adjacent to premises. Waste water from water closets is collected into septic tanks provided separately for various buildings.
- 3. Biomedical waste management-** no such waste is generated
- 4. E-Waste Management:** - Out dated computers but in working condition are donated to nearby needy organizations.
- 5. Waste recycling system-** Garden pits are used to recycle garden waste into manure
- 6. Hazardous chemicals waste-** A separate polymeric chemical resistant pipeline is present in chemistry department to carry the corrosive chemicals put into sinks protecting the flooring slab from chemical leakages in the laboratory

| File Description | Documents |
|---|---------------------------|
| Relevant documents like agreements / MoUs with Government and other approved agencies | No File Uploaded |
| 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 | No File Uploaded |

7.1.5 - Green campus initiatives include

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

A. Any 4 or All of the above

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

| 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 | No File Uploaded |

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 **D. Any 1 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 | View File |

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 | No File Uploaded |
| Details of the Software procured for providing the assistance | No File Uploaded |
| Any other relevant information | No File Uploaded |

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).

College has a very inclusive internal environment with no biases. The Institute has students with very diverse cultural, linguistic, socioeconomic background Cells such as SC/ST, Minority, and OBC are created for counseling and support of the students from various backgrounds to urgently address their issues, they feel secure and safe in the congenial environment of the campus. College facilitates Government scholarships to ST, SC, VJ, NT, SBC, OBC and Economically Weaker section (EWS) students, including their hostel scholarships and free ships.

Following programmes for neighboring community were conducted like

Practicing Yoga day as a means of nurturing community health, relieving stress and fear of COVID,

Tree plantation at the adopted village.

Importance of voting and registration of villagers above 18 years

Village was cleaned by student volunteers and a message of clean village healthy life was given.

In Veterinary camp, 85 cattle were treated for free of cost

Self employment initiatives were discussed

Organized women health check up camp 15 sick ladies were treated

Through rally in the village, Water conservation and recycling technique was dissipated

In the campus, for unemployed youth of neighboring community were trained in Marathi and English typing skills and becoming employable, about 1500 Candidates from local community were benefitted

| 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

The college is sensitizing students to abide by the Constitution and follow constitutional values rights and duties. 15th Aug, Independence Day and 26th January, Republic day functions are held with reverence to National flag & National Anthem, patriotic songs are sung by the students. Commemorative days of freedom fighters like Mahatma Gandhi and Lalbahadur shashtri, Dr Ambedkar, Mahatma Phule Swamy Vivekanand, Jija Bai, Pt Nehru, Sardar Vallabh bhai Patel, Dr Abdul Kalam are celebrated every year. The NSS unit of college help develop National character in students by selfless service. Rajeev Gandhi Jayanti is celebrated as "Sprit of common brotherhood". College preserves a diverse culture.

Conservation of natural environment is taught, "Environmental studies" as compulsory subject. A subject professional Ethics has been introduced in curriculum.

College celebrates Constitution day with fervor. Students are made aware of the values and rights like sovereignty, secularism, democracy, social justice, liberty, equality, human dignity, unity and integrity of the Nation, cultural and educational rights, right to constitutional remedies through addresses by experts and college authorities on various platforms. About 5 faculty members are now AICTE certified to teach subject "Universal Human Values".

| File Description | Documents |
|--|---|
| Details of activities that inculcate values; necessary to render students in to responsible citizens | https://www.bncoepusad.ac.in/images/igac/aqar2022/7.1.9.pdf |
| Any other relevant information | Nil |

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, 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. Annual awareness programmes on Code of Conduct are organized.

B. Any 3 of the above

| 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 | View File |

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

Ethics and values in life are deeply influenced by the ideals as well as idols. College observes birth and death anniversaries of our National heroes and provincial stalwarts with whom everybody can relate and get inspired.

Every year events like International Yoga Day , Constitution Day , NSS foundation day, Independence Day and Republic Day are celebrated with fervor.

College observes Birth and Death Anniversaries of National figures. Swami Vivekanand Jayanti as youth day , Mahatma Gandhi (as Swachta Abhiyan) and Lal Bahadur Shashtri Jayanti, Dr. S Radhakrishnan Jayanti as Teachers' day, Chatrapati Shivaji Maharaj Jayanti, Sant Gadgebaba (Our University is named after him) jayanti, Savitribai Phule jayanti (women's education) and Lata Mangeshkar are observed.

Babasaheb Naik (the college is named after him) jayanti and punya tithi, Vasantao Naik Jayanti and pnyatithi (Ex CM Maharashtra who pioneered Harit Kranti in the state). Sudhakarao Naik Jayanti and punya tithi (Ex CM Maharashtra and pioneered water conservation movement in the state) are observed with faith.

| File Description | Documents |
|---|---------------------------|
| Annual report of the celebrations and commemorative events for the last (During the year) | No File Uploaded |
| 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.

2021-2022

BEST PRACTICE 1

1. Title - Advanced programmes for aptitude development for students.

2. Objective - To improve employability

3. The Context - Identifying suitable programmes

4. The Practice -

Extensive training programmes are conducted by- External Agencies & In-house initiatives

Advanced Technical programmes conducted on-

Adriano and Raspberry Pi, Project Control, Importance of Projects in Job Selection, Sales force Cloud Platform Architecture & Business Analytics, Rprogramming, Applications of AI, DS & Machine Learning in various industries, Career Counseling.

5. Evidence of Success -better placements

6. Problems encountered -

Students are unable to manage time with the regular curriculum.

BEST PRACTICE 2

1. Title

Water harvesting and conservation initiatives at adopted villages

2. Objective-

Create awareness and provide support for water conservation work in adopted village

3. The Context-

Most of the villages face water scarcity in summer and are unaware of solutions

4. The Practice-

Awareness programme in village through morning rallies, discussions on " Pani adva Panij jirwa" and do actual support work for the water harvesting and conservation through shramdan.

5. Evidence of Success-Water table has enhanced in the village reducing the drought days.

.6. Problems Encountered-

Motivating villagers to continue the water harvesting initiatives .

| File Description | Documents |
|---|---|
| Best practices in the Institutional website | https://www.bncoepusad.ac.in/igac_bp_202122.html |
| 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

To become preferred provider of quality, state-of-the-art technical education and provide excellent technical manpower to the Nation is the vision of the organization, many alumni are working globally at top positions. College has acquired quality certification benchmarks like NBA accreditation twice and successfully completed first cycle of NAAC. Programme objectives are the focal points for setting up various activities while imparting Engineering education. Imparting appropriate skills to students to be employable and grooming their personalities to acquire superior values and ethics, inherent creativity, enthusiasm and aptitude for research are taken up on priority. All outcomes are assessed very diligently. The backbone of all the achievements has been planning and execution for desired outcomes like dominance of students in University merit positions 16 of our students have appeared in University merit list, reflecting the resourcefulness of the system which is truly distinguishing feature of the Institute.

Substantial number of student centered activities has been conducted. Remarkable training programs have been arranged this year. More than 200 students have been placed in renowned organizations which is the most distinguished achievement of the year. Students have stood in flying colors in UPSC and PSC.

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

The institute follows the curriculum prescribed by the Sant Gadge Baba Amravati University. The institute has developed mechanism for effective curriculum delivery and monitoring.

Each program offered by the institution has clearly stated learning outcomes in terms of Program Outcomes (PO's), Program Specific Outcome (PSO) and Course Outcomes (CO'S).

Institute prepares its own semester wise Academic Calendar well in advance before commencement of semester.

At beginning of semester each subject teacher prepares teaching plan for effective coverage of syllabus in time. HOD obtains the syllabus coverage of each subject at regular intervals to ensure syllabus is completed on time. Attendance and Internal test marks of each subject are displayed on notice board at the end of month. At the end of semester, student's feedback, course exit survey and program exit survey is obtained. Result analysis of student performance in University examinations for each subject is carried out.

The student's association in each branch conducts various activities including expert lectures, training programs, field visits, etc. Institute also motivate and encourage students to participate in national/state level paper contest and technical models competitions.

The institute thus ensures that academic quality and curriculum delivery is implemented with total quality, planned and documented process.

| 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)

Institute prepares its own semester wise Academic Calendar well in advance before commencement of semester considering on the basis of Academic Calendar of the University.

The Academic calendar include all specific details including internal assessment dates , Govt./University holidays , tentative dates for vacations, cultural gathering, paper contest, last working date of semester etc.

The Tentative schedule is first distributed in HOD's meeting and based on discussions final schedule is decided and approved. The approved calendar is published and circulated to all the staff and students and also uploaded in the college website for information and compliance. Based on the approved calendar class time table is prepared and displayed. The faculty strictly adheres to the academic calendar and accordingly prepare teaching plan informing the details of number of periods needed to cover each unit of syllabus.

For continuous internal evaluation (CIE) process the institute adheres to the academic calendar .Each department prepare and displayed the time table of the internal examination in advance.

The internal evaluation related activities like monthly attendance and internal test marks are displayed on the notice board.

Institution thus ensured that activities mentioned in the academic calendar are rigidly followed.

| 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

A. All of the above

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

| 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

5

| File Description | Documents |
|---|---------------------------|
| Any additional information | View File |
| Minutes of relevant Academic Council/ BOS meetings | No File Uploaded |
| 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)

4

| File Description | Documents |
|---|---------------------------|
| Any additional information | View File |
| Brochure or any other document relating to Add on /Certificate programs | No File Uploaded |
| 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

222

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

1.3 - Curriculum Enrichment

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

To integrate the cross cutting issues such as Gender, Environment and sustainability, Human values and professional Ethics into curriculum the institute does the following;

Gender Sensitization

- Awareness workshops, seminars, and Expert lectures are conducted to aware the girls about the constitutional rights and rules their security and safety in social livings.
- Equal opportunities are given to both girls and boys to participate in various academic, co-curricular and extracurricular activities and training programs.
- Women Cell is established in the Institute to look into the problems of girl students. This cell evaluates assists and supports institute to implement a policy of zero tolerance in campus for gender-based violence and harassment.
- The institution has provided helpline numbers, complaint boxes and installed CCTV cameras in different areas in view of safety and security of girls.

Environment and Sustainability

Subjects on Environmental Studies, Non-Conventional energy System, Water Resources Management are included in the curriculum to make student aware on environmental issues. Many Projects are undertaken by final year students relating to environmental issues.

Human Values and Professional Ethics

Subject on Professional Ethics are included in the curriculum to build up moral and ethical values among students.

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

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

5

| File Description | Documents |
|--|---------------------------|
| Any additional information | View File |
| Programme / Curriculum/ Syllabus of the courses | No File Uploaded |
| Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses | No File Uploaded |
| 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

295

| 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

C. Any 2 of the above

| File Description | Documents |
|---|---------------------------|
| URL for stakeholder feedback report | Nil |
| 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 | No File Uploaded |

1.4.2 - Feedback process of the Institution may be classified as follows

B. Feedback collected, analyzed and action has been taken

| File Description | Documents |
|-----------------------------------|---------------------------|
| Upload any additional information | View File |
| URL for feedback report | Nil |

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

690

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| 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**

489

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| 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**

Engineering education system is escalating at an exceptional rate. Therefore it is the fact that aspiring students come from highly assorted backgrounds, capabilities. The Institute has developed a mechanism to monitor, evaluate and improve their academic and overall performance.

Slow learners and advanced learners are identified on the basis of:

- Performance in the First sessional exam
- Special educational needs are identified by the mentor.
- test is conducted to access the language skills in English and special course is devised.

Slow learners: Remedial classes for specific topic are arranged & personal attention is given by faculty. Student not able to grasp the teaching in regular classes, are

assisted by revising of important concepts. Extra assignments are given to strengthen their learning. Simplified learning material and handouts are provided to students. Extra lectures are scheduled for the students admitted through lateral admissions.

Advanced learners are encouraged to pursue further knowledge in their area of interest by recommending reference books, research papers and hobby projects. Training programs on some specific area, not covered in syllabus but useful for career opportunities, are conducted. The institution encourages students to participate in inter-collegiate events such as Technical Paper Contest, Model Competition and Software Competition.

| File Description | Documents |
|---------------------------------------|------------------|
| Paste link for additional information | Nil |
| Upload any additional information | No File Uploaded |

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

| Number of Students | Number of Teachers |
|--------------------|--------------------|
| 690 | 80 |

| 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

The syllabi of Sant Gadge Baba Amravati University, Amravati are designed and structured to provide sufficient scope for experiential learning, participative learning and problem solving methodologies. Moreover, the syllabus is regularly updated to keep pace with the technological developments. The institute make a sincere effort to achieve the goals of University syllabus.

Seminars and projects are chosen based on current technological. The students are encouraged to undertake in

plant training at various industries during their vacation period to know practical aspects of engineering. Industrial visits are also arranged.

In students' Technical associations, Professional societies and Clubs, the faculty member acts as a facilitator and helps students for developing their organizational abilities, leadership qualities, time and financial management, and Inter personal communication.

Faculty and students are encouraged to use NPTEL and other open source digital courses.

The institution also conducts activities like technical paper contest and Technical model competition to encourage students to participate in academic and co curricular activities.

Additionally, various departments conduct a number of activities like seminars, debates and elocution on current issues, group discussions, and quizzes. Such activities improve the confidence level, oratory skills and knowledge prowess of students. Students have access to e-journals and e-books.

| File Description | Documents |
|-----------------------------------|------------------|
| Upload any additional information | No File Uploaded |
| Link for additional information | Nil |

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

In addition to the traditional classroom education Institute also follows ICT enabled teaching. During the pandemic, online teaching was conducted. In order to carry out online teaching, arrangements were made in class using web cameras, stands and other accessories to focus image on the blackboard. To ensure maximum effectiveness in teaching, several innovative processes like usage of whiteboards in Microsoft Teams, using pointers and animation for Power-point presentation, using digital tablets, etc. were carried out. Following efforts are taken by the institute to provide e-learning atmosphere in the classroom:

1. In addition to chalk and talk method of teaching, the faculty members are using the IT enabled learning tools such as PPT, Video clippings , Audio system, online sources, to expose the students for advanced knowledge and practical learning.
2. Classrooms are fully furnished with LCD/OHP/Computers
3. Most of the faculty use interactive methods for teaching. The major emphasis is on classroom interaction in terms of seminars, debates, group discussions, assignments, quiz/tests/viva and laboratory work.

Institute premises are Wi-Fi enabled

1. Specialized computer laboratory with an internet connection has been provided to promote independent learning. MAC-ID based Wi-Fi facility for access of internet is provided on individual laptop and mobile devices.
2. Well security is provided to Wi-Fi users. Its access is controlled by the system administrator

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

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

38

| File Description | Documents |
|--|---------------------------|
| Upload, number of students enrolled and full time teachers on roll | No File Uploaded |
| Circulars pertaining to assigning mentors to mentees | View File |
| Mentor/mentee ratio | No File Uploaded |

2.4 - Teacher Profile and Quality

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

80

| File Description | Documents |
|--|---------------------------|
| Full time teachers and sanctioned posts for year (Data Template) | View File |
| Any additional information | No File Uploaded |
| List of the faculty members authenticated by the Head of HEI | No File Uploaded |

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

16

| File Description | Documents |
|--|---------------------------|
| Any additional information | No File Uploaded |
| 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

1367

| File Description | Documents |
|--|---------------------------|
| Any additional information | No File Uploaded |
| 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.

For each theory subjects, three internal tests are conducted at dates specified in academic calendar. Additional test is conducted for improving the performance of students. The merit of the internal test papers and evaluation techniques are also analyzed and necessary suggestion are passed on to the concerned teacher to modify the quality of questions to inculcate the culture of higher level thinking. Departmental meeting of faculty members of each department is conducted at regular intervals under guidance of Head of Department to review various academic parameters including internal evaluation, University result analysis, students' feedback (formal and informal), etc. Attendance of the students is also taken into consideration for calculation of internal assessment marks.

At the end of semester, students' feedback for each course is taken, analyzed and discussed. Good performance of faculty is appreciated and faculty with below par performance are instructed to improve their performance by taking suitable measures.

The performance of students in internal tests is conveyed to students and parents through mentor. On-line entry of internal assessment marks: Institute has provided the facility to fill-up online internal assessment marks and practical examination marks of the students as per the directives from the SGB

| File Description | Documents |
|---------------------------------|------------------|
| Any additional information | No File Uploaded |
| Link for additional information | Nil |

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

The institution organizes orientation program for the first year students to make them acquainted with the rules and regulations of the affiliating university, examinations, evaluation process, etc. For theory subjects, three internal tests are conducted at dates specified in the academic calendar. Additional test is also conducted if performance of students is not to the mark or student is on leave at the time of test. Average of performance of best two tests is taken for internal marks calculations. Additionally, home assignments are given to the students for improvement. Attendance of the student is also taken into consideration for calculation of internal assessment marks. Results of tests are displayed on students' notice. Answer books of tests are circulated to students in class-room along with discussion of correct answers. There is well defined mechanism to address the students' grievances.

For practical, weight age is given to timely submission and performance of practical work. An experiment conducted by the student is written and submitted for evaluation in the next practical slot. Review of the progress in the students' project work is taken regularly. Students' seminars and projects are evaluated by a panel of three experts constituted by the Head of the department.

| File Description | Documents |
|---------------------------------|------------------|
| Any additional information | No File Uploaded |
| Link for additional information | Nil |

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.

The course outcomes (COs) are well defined for every course. Every CO is aligned to one or more POs, and is measured at

the end of the course, through various assessments, designed specifically to effectively measure the CO and contribute to the PO that it is mapped to.

The number of COs for a course is not fixed, and may have about six COs. Few courses may have as few as three COs, while courses like the project may have as high as twelve COs. While defining the COs, it has ensuree that they are not an abridged version of the course content, but instead, through every CO, it attempt to specifically address one or more POs through the course content and its assessments. When COs are well defined, the CO-PO mapping becomes redundant, as one can map the CO to the PO through comprehending the essence of the CO. However, the strength of the mapping is dependent on the course instructor and this component, necessitates the need to have the CO-PO mapping together with its strength.

| File Description | Documents |
|---|---|
| Upload any additional information | No File Uploaded |
| Paste link for Additional information | https://www.bncoepusad.ac.in/images/iqac/agar2022/2.6.1.pdf |
| Upload COs for all Programmes (exemplars from Glossary) | No File Uploaded |

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

The course outcomes (COs) are produced based on the requirement of the programme outcomes (POs). Each CO is mapped to PO. Attainment of CO is evaluated using the direct and indirect methods. Direct method is based on students' marks which involves the following assessment tools

1. Final exam
2. Internal Tests
3. Practical performance
4. Home Assignments
5. Project & Seminar.

Indirect methods include Student Exit Survey and Alumni Survey.

Target is set for CO of each course. CO attainment is computed as follows:

Direct Attainment of CO in a course = Weightage of Internal Exam(IE) x Attainment of CO as % in IE + Weightage of External Exam(EE) Marks x Class Average Marks % in EE

Indirect Attainment of CO in a course = Attainment of CO through Course exit survey

Computation of Attainment of COs in a course = 0.8 x Direct CO Attainment + 0.2 x Indirect CO Attainment.

CO attainment gap is then calculated. Based on the CO attainment gap, action is proposed to bridge the gap.

The program outcomes and Program Specific outcomes are assessed with the help of Course outcomes of the relevant courses. Additionally PO/PSO assessment is done through indirect method - Alumni survey.

Further Details mentioned in the web link

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for Additional information | https://www.bncoepusad.ac.in/images/igac/aqar2022/2.6.2.pdf |

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

208

| 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 | No File Uploaded |
| Paste link for the annual report | Nil |

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://www.bncoepusad.ac.in/images/igac/agar2022/2.7.pdf>

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)

0

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| e-copies of the grant award letters for sponsored research projects /endowments | No File Uploaded |
| 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

14

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| 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

0

| File Description | Documents |
|---|------------------|
| List of research projects and funding details (Data Template) | No File Uploaded |
| Any additional information | No File Uploaded |
| Supporting document from Funding Agency | No File Uploaded |
| 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

1) College has an internal innovation cell which helps in incubation of innovations up to getting a patent. Patents published to the Teacher/ Students of the Departments are a testimony to the working of a good academic ecosystem.

Sr.No.

Name of ourTeacher

Title

Patent published No. And Date

1

Dr. S. Y. Amdani,

"Probabilistic Path Prediction Using Obstacle Trajectory Detection Over Dynamic Environment"

Indian Patent 202121049333 dated 28-10-2021

2

"Design and Analysis of Network Traffic Classification for Cyber Security using AI Techniques"

Indian Patent202221027338 dated 12-05-22

3

A Real Time Context-Aware Vehicular Communication

Indian Patent 202221027314 dated 12-05-22

4

Extreme Learning Approach for Heterogeneous Data using Unsupervised Multiple Kernels

Australian 2021106050 dated 10-11-2021

5

An Enhancing Visual Data Caption Generation Using Machine Learning

Australian2021106049 dated 10-11-2021

2) Kitchen waste based horizontal biogas plant

3) Solar energy Park

4) Solar Water Heater

| File Description | Documents |
|---------------------------------------|------------------|
| Upload any additional information | No File Uploaded |
| 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**

4

| File Description | Documents |
|--|---------------------------|
| Report of the event | No File Uploaded |
| Any additional information | No File Uploaded |
| 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**

14

| 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 | No File Uploaded |

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**

35

| File Description | Documents |
|--|---------------------------|
| Any additional information | No File Uploaded |
| 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

14

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| 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. Conduction of Government of Maharashtra computer typing exam in two languages (Computer laboratories and manpower provided)

GCC-TBC online Exam English/Hindi Supporting candidates of neighbouring community for capacity building and becoming employable from Nov 2021 and July- AUG 2022 about 1500 Candidates from local community were benefitted

2. Matadaan Jagruti rally was carried with local authorities and Importance of voting and registration of villagers above 18 years was done on 20.03.2022

3. Women empowerment programme for village ladies by experts counselling from Dr. Vandana Wankhedemadam in collaboration with Women's college, Pusad on 23.03.22.

4. Cattle health checkups camp at vadsad adopted village by government veterinary department of Pusad on 21.03.22

| File Description | Documents |
|---------------------------------------|------------------|
| Paste link for additional information | Nil |
| Upload any additional information | No File Uploaded |

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

0

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

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

10

| File Description | Documents |
|--|---------------------------|
| Reports of the event organized | No File Uploaded |
| 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

9

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

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 | No File Uploaded |
| 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

27

| File Description | Documents |
|--|---------------------------|
| e-Copies of the MoUs with institution./ industry/corporate houses | No File Uploaded |
| Any additional information | No File Uploaded |
| 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.

The infrastructure facilities provided by the institute are as detailed below:

- The college campus has sufficient space for all academic, administrative, co-curricular and extra-curricular activities
- Each department of the institute is well equipped with independent classrooms, laboratories, tutorial rooms, workshop and seminar hall etc.

Existing infrastructure of the institute:

Sr. No.

Particulars

Area as per AICTE norms (Sq.m.)

Total Area in Sq. m.

1

Instructional Area

6830

10918.92

2

Administrative Area

1605

2190.61

3

Amenities

1500

14426.44

4

Circulation and others

2484*

14935.9

Total area

12419

42471.87

Note: full details are given in the enclosed view file

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

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

• The Institution has adequate facilities for cultural activities, sports, games(indoor, outdoor), gymnasium, Yoga

centre etc.

- The Institute has high class centrally air cooled Auditorium with 800 seating capacity and Open Air Theatre for conduction of cultural events.
- Institute has Student Music Club with musical instruments like Synthesizer Electronic Drum, Electronic Guitar etc. Yoga center is available in the campus with capacity of 40 persons
- The Department of Physical Education provides physical education to the students in various sports & athletics activities.
- The department has two full time Physical education faculties.
- The Department organizes various games and sports activities and supports students like coaching and other facilities for various events in which student participate throughout the year within the campus and represent the college at various events.
- Sufficient space is available in the campus for all indoor and outdoor games with flood light facility.
- The department is well equipped with state-of the-art facilities like 16 station Multi-gym, & a power-gym with a well equipped hall.
- Indoor facilities are - Badminton Cement courts, Table tennis halls
- Outdoor facilities -Basketball cement court, Cricket, Handball, Football, Volleyball, Softball, Baseball, Kabaddi, Kho-kho, two Lawn Tennis Court.

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

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

24

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | No File Uploaded |
| Paste link for additional information | Nil |
| 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)

54.93

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | No File Uploaded |
| Upload audited utilization statements | No File Uploaded |
| 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)

- Library is automated using LIBSYS 4 Integrated Library Management Software since Academic Year 1999-2000
- From Academic Year 2000-2004 3.2 Version, 2005-2007 5.0 & 5.7.1 Version
- 2008-2010 5.7.2 Version was in use.
- Since Academic Year 2010 LIBSYS6.4 Version I in use till date.

| File Description | Documents |
|--|------------------------------|
| Upload any additional information | View File |
| Paste link for Additional Information | Nil |
| 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 | C. Any 2 of the above |
| File Description | Documents |
| Upload any additional information | No File Uploaded |
| 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) | |
| 157938 | |
| File Description | Documents |
| Any additional information | No File Uploaded |
| Audited statements of accounts | No File Uploaded |
| Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template) | View File |
| 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 | |
| 6 | |

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| Details of library usage by teachers and students | View File |

4.3 - IT Infrastructure

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

A high-speed network connection that's available 24/7 enables organizations to run modern applications, like office suites and customer relationship management software, that might tax older, slower networks. Employees appreciate an optimized network connection that allows them to complete work faster and move on to the next task.

Another important benefit of a reliable network is collaboration. Online collaboration services let staff use voice or video applications, Online classes to meet one-on-one or in teams, and they make remote employees feel like they're an active part of the Class or office. Due to current demand the Institute has a modern, eco-friendly, fully networked campus with optical fiber cable connectivity between all department , laboratories ,research laboratories ,Staff's Quarter , Boys and girls hostels buildings. Students are used online Lab manuals, resources of laboratories to solve problems, perform Developmental experiments and work on projects guided by faculty.

Additional data separately uploaded along with the above information

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

4.3.2 - Number of Computers

798

| 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)

54.93

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | No File Uploaded |
| Audited statements of accounts | No File Uploaded |
| 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.

The maintenance works/activities are coordinated by the nominated Prof in charge in Coordination with the appropriate designated teams and they put up any financial requirements to the Principal and get approval and ensure to carry out all

the maintenance work. As under

1. Preventative maintenance
2. Break down maintenance.

The preventive maintenance is carried out by the in-house team and the break down maintenance is carried out by the external agencies, if required.

Separate department and personnel are available for maintenance and repairing of electrical lines

Under the guidance of Head of Computer department central computing facility and internet/Wi-Fi/LAN are maintained.

Library maintenance is carried out by librarian and his personnel in consult with the professor in charge.

Laboratory equipment are serviced by the concern manufacturer, Whenever necessary, the annual maintenance contract is done with the supplier. All the equipments are calibrated whenever required. standard operating procedyres are displayed.

Cleaning of Campus and Classrooms/Seminar halls is carried by Contract sweepers and supporting staff of the college.

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

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

664

| 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 benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

146

| 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

B. 3 of the above

| File Description | Documents |
|---|---|
| Link to Institutional website | https://www.bncoepusad.ac.in/igac_aqar2022.html |
| 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

168

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

168

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

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 | View File |
| 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

168

| File Description | Documents |
|--|---------------------------|
| Self-attested list of students placed | View File |
| Upload any additional information | No File Uploaded |
| 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**

5

| 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 | View File |
| 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.

0

| File Description | Documents |
|--|---------------------------|
| e-copies of award letters and certificates | No File Uploaded |
| Any additional information | No File Uploaded |
| 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)

The Student Representative Council (SRC), body is formed every year in the institute as per provision of Maharashtra University acts 1994. The structure of SRC constituted as per norms of Sant Gadge Baba Amravati University, Amravati.

The procedure of constituting SRC body is as under:

1. Topper student from each class, considering their marks secured in both the semesters of previous year, is nominated as CR, provided that He/She should neither be an ATKT student nor a readmitted student in the same class. All CR elects amongst them General Secretary of SRC.

2. Principal constitute the Committee to nominate the eligible student, amongst who applied, for the other SRC posts like Sports Secretary, Cultural Secretary, NSS Representatives, Lady Representatives. Nominations are done on the basis of student's past participation, contribution and performance in respective activity.

Activities of SRC

- To represent students related issues.
- To suggest and organize activities for student developments.
- To organize sports and cultural activities.
- To support NSS activity.

The SRC President & General Secretary are by default nominated on Academic body-Internal Quality Assurance Committee and Administrative Body-College Development Committee of the Institute in each academic year for that session.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Paste link for additional information | Nil |
| 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

15

| 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

The Babasaheb Naik College of Engineering Alumni Association was formally established in 1994. One of the biggest assets of college is its wide, large and powerful alumni base. Babasaheb Naik College of Engineering is proud to have its Alumni of over 10000 engineers, technologists, scientists, consultants, managers, businessmen, entrepreneurs all over the globe.

The registered Alumni Association (BNCOEAA), started in 2018, is a NON-PROFIT organization, dedicated towards building a network of alumnus to foster and promote the growth of BNCOE Pusad. Our Alumni Association contributes significantly to the development of the institute through financial support and other support like:

- Act as a forum for Alumni of BNCOE and institute members for the exchange of information.
- Alumni may contribute in academics and research through allocating/raising funds and/or sharing knowledge and expertise of its members in areas pertaining to academics, infrastructure, industry interactions, and any other area that the alumni and institute fill appropriately.
- They provide support and help to needy meritorious students, and help to the existing students in providing

a. Internship

b. Vocational training and placement.

c. Guest lectures on recent technology

d. Guidance on carrier development

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.bncoeea.com/ |
| 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

The governance of the college is reflective of and in tune with the vision and mission of the BNCOE. The Principal is the Academic Head of the Institute. At the Institute level on the principle of collective decision making process the Deans HODs along with department faculty are empowered to deal with academic matters at their levels. The Governing Board, as the highest Executive Body, plays the pivotal role of laying down policies, both academic and governance.

CDC (College Development Cell) The Cell deliberates on matters of academic nature and steers the Institute to maintain academic standards of excellence. The cell approves the academic programmes of all department and provides directions for future academic growth and development. The representation from all the stakeholders involve in the process along with IQAC coordinator.

Accounts Section supports and supervises the raising of funds

for the Institute's development and functioning; and also facilitates and monitors finances to ensure transparent and accountable governance. Research & Development Council: The Research Council (RC) provides direction and guidance to the Institute to create an enabling environment for research and sharing; and to position the Institute as an academic leader in the engineering fields.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.bncoepusad.ac.in/index.php |
| 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.

Leadership encourages the participation of all stakeholders in process of decision-making in the functioning of the college. The institution has well defined organisational chart which delineates the roles and responsibilities of all staff members along with well defined objectives, standing and advisory committees to guide them in improving the effectiveness of institutional functioning. The Institute delegate authority and provide operational autonomy to work towards decentralized governance system and to promote culture of participative management. The major decisions pertaining to the functioning of the Institute are taken by the management /Governing Body in LMC/CDC/IQAC meetings, in which all the stake holders are the members.

Further the institute follows the decentralized governance system. The department heads are authorized to take decision in the department level with full academic autonomy within the overall guidelines from Institute.

Portfolios are assigned to the faculty members and supporting and technical staff.

The Institute promotes a culture of participative management which enables stakeholders to voice their opinions and suggestions including constructive criticism .

All academic and administrative activities are decentralized and operational management decisions are taken based on

discussion and deliberations Minutes of such meetings are recorded.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.bncoepusad.ac.in/images/institute/ip2021_22.pdf |
| Upload any additional information | No File Uploaded |

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The Strategic plan of the institute is displayed in the website. The College is working on Three Es - Equity in education and Excellence in academics which will together lead to optimum levels of Employability in tune with the vision, mission, policy, Goal and objectives of the college.

The various aspects of the plan considered for inclusion are;

1. Quality enhancement and improved teaching-learning environment.
2. Enhancement of student support systems.
3. Improved student success rate.
4. To be more innovative, industry-relevant in curriculum design and be more creative in academic delivery; with a strong emphasis on effective integration of technology in the teaching-learning process.
5. The teacher to be more of a facilitator and mentor than just a full time tutor.
6. To establish a research facilities and to nurture and develop research culture among the students and staff.
7. Life skills will be an integral part in curriculum development and delivery.
8. To emphasize on multi-dimensional evaluation of student learning and to enable that student learning outcomes match with their employers expectations

| File Description | Documents |
|--|------------------|
| Strategic Plan and deployment documents on the website | No File Uploaded |
| Paste link for additional information | Nil |
| Upload any additional information | No File Uploaded |

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.

The College has decentralized its operations and has delegated authority at various levels to ensure good governance. Board of Governing Body, College Development Council Council (CDC) and Internal Quality Assurance Cell (IQAC) framed as per norms of AICTE/NAAC/DTE/University and play an important role in framing policies and its execution.

The Principal is the academic and administrative head who monitors the overall functioning and growth of the Institute.

The involvement of the effective leadership is achieved through the well-defined system and organizational structure.

The College has Service and Recruitment Rules and Promotional Rules as per the norms of the Government of Maharashtra/AICTE/ Government of Maharashtra.

The rules, procedures, recruitment and promotional policies are explained in detail in the service book displayed in the college web site.

The various committees which are formed at the beginning of the year and are assigned the tasks according to the institutional plans, for the curricular activities that enhance overall development of students

Examinations, Scholarships, Purchase, Discipline, Sports, Admissions, Library, Academic, Establishment, T&P etc. are created For the smooth conduct of all administrative activities, according to requirements of academic bodies and government rules and headed by senior faculty to guide the function and administration & execution.

| File Description | Documents |
|---|---|
| Paste link for additional information | https://www.bncoepusad.ac.in/institute_service_rules.html |
| Link to Organogram of the institution webpage | https://www.bncoepusad.ac.in/institute_organogram.html |
| Upload any additional information | No File Uploaded |

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

| File Description | Documents |
|--|---------------------------|
| ERP (Enterprise Resource Planning) Document | View File |
| Screen shots of user interfaces | 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 College authority offers the following welfare schemes for all its employees.

Summer and winter vacation to both teaching and non-teaching staff.

The college provides Maternity (180 days) and paternity (15days) leave. Casual leave of 12 days per year for the employes and Medical leave of 10 days each year.

Faculty and staff are entitled to EPF and gratuity. Provident fund forthe employees of the college

Institute Encourages and supports the employees by providing Special Leave/Study Leaves to pursue Project/Doctoral/PostDoctoral research to acquire latest skills

A Professional Counsellor available in the campus to address stress and depression of the Staff and students

Physical Education director/ Instructors are available to maintain a healthy and balanced life.

The Institute has Grievance Redressal committee, Internal complain committee, SC/ST Committee responsible to sort out the issues/complaints, if raised by any staff. Pay advance/Loan facilities with nominal and without interest for employees for their wards fee, weddings of their children, medical purposes (enclosed)

Residential quarters are provided for the faculty and staff

Best Security Guard award given to the security personnel for every year

Special consideration /financialhelp extended to staff & faculty and also precautions are taken to prevent the COVID -19 in the campus

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.bncoepusad.ac.in/institute_service_rules.html |
| 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

0

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | No File Uploaded |
| 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

1

| 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 | No File Uploaded |
| 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

38

| File Description | Documents |
|---|---------------------------|
| IQAC report summary | View File |
| 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

The college's Performance Appraisal System consists of the following components:

The faculty submits self-appraisal report at the end of every academic year.

Every semester the students give feedback about their course teachers.

At the end of every academic year, report of the contributions of the staff members in college activities and their performance is reported by the Head of the Department.

The self-appraisal report and the student feedback are analyzed by the HoD. Based on the student feedback, the HoD gives suggestions for improvement in teaching, if required. The self-appraisal helps to improve an individual's performance and his/her contribution to the institutional activities. Staff Appraisal by the Head of the Department is reviewed by the Principal.

Staff members' performance is discussed and opportunities are created to improve the same.

At the end of every academic session, faculty and supporting staff submit their self appraisal in the form of PBAS for faculty and ACR (Annual Confidential Report) for supporting staff to the concern HoD and concern Section in-charge.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.bncoepusad.ac.in/institute_maintenance_appraisal.html |
| Upload any additional information | No File Uploaded |

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 college has the mechanism for internal and external audit as per details given below:

- **Internal:** An internal approval system for all expenses is in place. Accordingly, every expense voucher is recommended by Prof. In-Charge of the committee / the Head of Department and approved by the Principal. All vouchers are audited by an Internal Auditor on a routine basis.
- **External Audit** Books of accounts are prepared as per statutory requirement and audited annually by external qualified chartered accountants audited regularly as per the Government rules. The auditor ensures that all payments are duly authorized in every financial year

An external auditor is appointed by the college which performs an audit of the financial statements of the college. The financial records of the College are audited after the end of each fiscal year and are certified.

Budget is scrutinized and recommended by CDC. Accounts department monitor whether expenses are exceeding budget provision. Statutory auditors are also appointed who certify the financial statements in every financial year.

The grants received by the college are also audited by certified auditors for their utilization.

There are no major audit objections raised by statutory auditors.

| File Description | Documents |
|---------------------------------------|------------------|
| Paste link for additional information | Nil |
| 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) | View File |

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

The college is self-financed and primary source of income is tuition fees received from the students.

Fee regulating authority of State government approves the tuition fees

College also gets financial sponsorship/awards from Alumni for co-curricular and extra-curricular activities of the students.

The efforts made by the institution in securing additional funding and the utilization of the same for which a regular and systematic effort is taken to generate funding through various Research proposals. The college has a separate Dean for Research and Development to guide the faculty to obtain grant and finance from various funding agencies. Faculty members are encouraged and motivated to submit research

proposals to various funding institutions.

The Head of the Department encourages the faculty members regularly to submit proposal for organizing the FDP/ Seminar/ workshop to funding agencies.

The management ensures that the research fund is being used for the intended purpose only. And if require, extra amount will be provided to get advanced version of equipment etc.

The institute has a policy to retain consultancy amount in the ratio of 70:30 to individual faculty member.

Audited statement and utilization statement are submitted to the concerned agency after the completion of the event.

| File Description | Documents |
|---------------------------------------|------------------|
| Paste link for additional information | Nil |
| 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

IQAC achieve excellent standards of quality education and continual improvement in all concerned processes, to create technocrats of global standards. It continuously strive to achieve standards of excellence in teaching learning, continuous education, research and lifelong learning by remaining accountable in core and supportive functions by self evaluation and constant improvements. IQAC have external members. They contributed by motivating faculty for research and guide them for improvement in teaching learning process.

Set up of IQAC IQAC reviews the Institutional Processes and gives suggestions for quality assurance. Some sample suggestions are as follows.

1 Use innovative teaching methods: Maximum faculties are using LCD, ICT for classroom teaching.

2 To organize Workshops, National conferences, and programs on content beyond syllabus: Embedded C training programmes

organized.

3 Undertake Research Projects and avail Professional bodies funding: Applications to AICTE for various schemes under process.

4 Motivate faculty for higher education: Ph.D. Large number of faculty has cleared PET (Ph.D. Entrance) and few are registered for PhD

5 Students and Alumni :contribute to the effective functioning of the IQAC:

6. Dr.APJ Abdul Kalam-Innovation & Incubation Center: The center seeks to build an innovation network with multiple stakeholders like Industries, HEIs, R & D labs and others

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.bncoepusad.ac.in/ini_home.html |
| 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

Continuous monitoring of the students' performance and is being mentioned in the academic calendar.

The college regularly monitors the performance through: Monthly student's attendance Test Marks Assessment of program outcome after the internal and external examinations, Mentoring system (Teacher Guardian Scheme) Transparent evaluation procedures for internal assessment

The Institutional mechanisms are in place to continuously review the teaching learning process: The following are few details of its structure, methodologies of operations and outcome,

Internal tests are evaluated & review of the teaching learning process is done. Identify Slow Learners and Advance learners

Monthly review of student's attendance & reporting defaulters to parents is carried out.

Review of University examination results is carried out.

Review of usage of library by both students & faculty.

Remedial and improvement classes for academically Slow Learners

Appropriate measures Such as Motivate for paper presentations/project are taken for Advance learners and monitor their progress. The institution provides training to staff for effective implementation of the Quality assurance procedures.

The Internal quality assurance mechanisms have been designed and formulated in such a way that the outcomes of the mechanisms will automatically fulfill the expectations of external regulatory bodies / quality assurance agencies.

| File Description | Documents |
|---------------------------------------|------------------|
| Paste link for additional information | Nil |
| 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)

C. Any 2 of the above

| File Description | Documents |
|--|---|
| Paste web link of Annual reports of Institution | https://www.bncoepusad.ac.in/images/institute/ar2021-22.pdf |
| Upload e-copies of the accreditations and certifications | View File |
| Upload any additional information | View File |
| 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

The women's development cell evaluates, assists and supports our institute to implement a policy of zero tolerance on campus for gender-based bias, and promotes equality.

On August 30, 2021 Online Interaction and counselling programme was conducted with existing students by Prof. P.B. Niranjane

Online Orientation programme for new entrants was organised on October 5, 2021. Principal Dr. Avinash Wankhade and Prof. P.B.Niranjane guided the students about gender sensitization and prohibition of eve-teasing.

Online Counselling session was organised on legal affairs by Adv. Mrs. Anusaya Gajajanrao Deshmukh on November 17, 2021.

On February 10, 2022 an Essay writing competition was held on the topic "Women Empowerment in India".

On 8th March 2022 International Women's day was celebrated , Ms.Priyanka Pophalkar, M. E. (Digital Electronics) , was felicitated for securing first rank in SGBAU University. Dr. Lata Agarwal a well known gynaecologist from the town Agarwal informed the students about health, hygiene and healthy habits. Adv.Mrs. Anusaya Deshmukh a prominent Lawyer,

delivered the speech on various provisions in women rights.

A feedback meeting was conducted on May 25,2022 with Principal Dr. Avinash Wankhade sir and all the members of the Women's development cell.

| File Description | Documents |
|---|---|
| Annual gender sensitization action plan | https://www.bncoepusad.ac.in/images/igac/aqar2022/7.1.1.1.pdf |
| 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://www.bncoepusad.ac.in/images/igac/aqar2022/7.1.1.1.2.pdf |

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

Description of waste management facilities in the Institution for the management of the degradable and non-degradable wastes

- 1. Solid Waste Management:** - Solid waste is collected by bins provided at different locations in the campus. The food waste is used in bio gas plant available in the campus. Plant leaves and other garden waste are used for preparing compost. Newspapers are sold to local vendors.

2. **Liquid Waste Management:** - The waste water from the various departments is collected by a network of underground and open drains and disposed into a nallah adjacent to premises. Waste water from water closets is collected into septic tanks provided separately for various buildings.
3. **Biomedical waste management-** no such waste is generated
4. **E-Waste Management:** - Out dated computers but in working condition are donated to nearby needy organizations.
5. **Waste recycling system-** Garden pits are used to recycle garden waste into manure
6. **Hazardous chemicals waste-** A separate polymeric chemical resistant pipeline is present in chemistry department to carry the corrosive chemicals put into sinks protecting the flooring slab from chemical leakages in the laboratory

| File Description | Documents |
|---|---------------------------|
| Relevant documents like agreements / MoUs with Government and other approved agencies | No File Uploaded |
| 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 | No File Uploaded |

7.1.5 - Green campus initiatives include

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

A. Any 4 or All of the above

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

| 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 | No File Uploaded |

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

D. Any 1 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 | View File |

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,

A. Any 4 or all of the above

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

| File Description | Documents |
|--|---------------------------|
| Geo tagged photographs / videos of the facilities | View File |
| Policy documents and information brochures on the support to be provided | No File Uploaded |
| Details of the Software procured for providing the assistance | No File Uploaded |
| Any other relevant information | No File Uploaded |

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).

College has a very inclusive internal environment with no biases. The Institute has students with very diverse cultural, linguistic, socioeconomic background Cells such as SC/ST, Minority, and OBC are created for counseling and support of the students from various backgrounds to urgently address their issues, they feel secure and safe in the congenial environment of the campus. College facilitates Government scholarships to ST, SC, VJ, NT, SBC, OBC and Economically Weaker section (EWS) students, including their hostel scholarships and free ships.

Following programmes for neighboring community were conducted like

Practicing Yoga day as a means of nurturing community health, relieving stress and fear of COVID,

Tree plantation at the adopted village.

Importance of voting and registration of villagers above 18 years

Village was cleaned by student volunteers and a message of clean village healthy life was given.

In Veterinary camp, 85 cattle were treated for free of cost

Self employment initiatives were discussed

Organized women health check up camp 15 sick ladies were treated

Through rally in the village, Water conservation and recycling technique was dissipated

In the campus, for unemployed youth of neighboring community were trained in Marathi and English typing skills and becoming employable, about 1500 Candidates from local community were benefitted

| 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

The college is sensitizing students to abide by the Constitution and follow constitutional values rights and duties. 15th Aug, Independence Day and 26th January, Republic day functions are held with reverence to National flag & National Anthem, patriotic songs are sung by the students. Commemorative days of freedom fighters like Mahatma Gandhi and Lalbahadur shashtri, Dr Ambedkar, Mahatma Phule Swamy Vivekanand, JijaBai, Pt Nehru, Sardar Vallabh bhai Patel, Dr Abdul Kalam are celebrated every year. The NSS unit of college help develop National character in students by selfless service. Rajeev Gandhi Jayanti is celebrated as "Sprit of common brotherhood". College preserves a diverse culture.

Conservation of natural environment is taught, "Environmental studies" as compulsory subject. A subject professional Ethics has been introduced in curriculum.

College celebrates Constitution day with fervor. Students are made aware of the values and rights like sovereignty, secularism, democracy, social justice, liberty, equality, human dignity, unity and integrity of the Nation, cultural and educational rights, right to constitutional remedies through addresses by experts and college authorities on various platforms. About 5 faculty members are now AICTE certified to teach subject "Universal Human Values".

| File Description | Documents |
|--|---|
| Details of activities that inculcate values; necessary to render students in to responsible citizens | https://www.bncoepusad.ac.in/images/igac/aqar2022/7.1.9.pdf |
| Any other relevant information | Nil |

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, 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

B. Any 3 of the above

| 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 | View File |

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

Ethics and values in life are deeply influenced by the ideals as well as idols. College observes birth and death anniversaries of our National heroes and provincial stalwarts with whom everybody can relate and get inspired.

Every year events like International Yoga Day , Constitution Day , NSS foundation day, Independence Day and Republic Day are celebrated with fervor.

College observes Birth and Death Anniversaries of National figures. Swami Vivekanand Jayanti as youth day , Mahatma Gandhi (as Swachta Abhiyan) and Lal Bahadur Shashtri Jayanti, Dr. S Radhakrishnan Jayanti as Teachers' day, Chatrapati Shivaji Maharaj Jayanti, Sant Gadgebaba (Our University is named after him) jayanti, Savitribai Phule jayanti (women's education) and Lata Mangeshkar are observed.

Babasaheb Naik (the college is named after him) jayanti and punya tithi, Vasant Rao Naik Jayanti and pnyatithi (Ex CM Maharashtra who pioneered Harit Kranti in the state). Sudhakar Rao Naik Jayanti and punya tithi (Ex CM Maharashtra and pioneered water conservation movement in the state) are observed with faith.

| File Description | Documents |
|---|---------------------------|
| Annual report of the celebrations and commemorative events for the last (During the year) | No File Uploaded |
| 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.

2021-2022

BEST PRACTICE 1

1.Title -Advanced programmes for aptitude development for students.

2.Objective -To improve employability

3.The Context -Identifying suitable programmes

4.The Practice -

Extensive training programmes are conducted by-External Agencies & In-house initiatives

Advanced Technical programmes conducted on-

Adriano and Raspberry Pi, Project Control , Importance of Projects in Job Selection , Sales force Cloud Platform Architecture & Business Analytics , Rprogramming, Applications of AI, DS & Machine Learning in various industries, Career Counseling .

5. Evidence of Success -better placements

6. Problems encountered -

Students are unable to manage time with the regular curriculum.

BEST PRACTICE 2**1. Title**

Water harvesting and conservation initiatives at adopted villages

2. Objective-

Create awareness and provide support for water conservation work in adopted village

3. The Context-

Most of the villages face water scarcity in summer and are unaware of solutions

4. The Practice-

Awareness programme in village through morning rallies, discussions on "Pani adva Panij jirwa" and do actual support work for the water harvesting and conservation through shramdan.

5. Evidence of Success-Water table has enhanced in the village reducing the drought days.

.6. Problems Encountered-

Motivating villagers to continue the water harvesting initiatives .

| File Description | Documents |
|---|---|
| Best practices in the Institutional website | https://www.bncoepusad.ac.in/igac_bp_202122.html |
| 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

To become preferred provider of quality, state-of-the-art technical education and provide excellent technical manpower to the Nation is the vision of the organization, many alumni are working globally at top positions. College has acquired quality certification benchmarks like NBA accreditation twice and successfully completed first cycle of NAAC. Programme objectives are the focal points for setting up various activities while imparting Engineering education. Imparting appropriate skills to students to be employable and grooming their personalities to acquire superior values and ethics, inherent creativity, enthusiasm and aptitude for research are taken up on priority. All outcomes are assessed very diligently .The backbone of all the achievements has been planning and execution for desired outcomes like dominance of students in University merit positions 16 of our students have appeared in University merit list, reflecting the resourcefulness of the system which is truly distinguishing feature of the Institute.

Substantial number of student centered activities has been conducted. Remarkable training programs have been arranged this year. More than 200 students have been placed in renowned organizations which is the most distinguished achievement of the year. Students have stood in flying colors in UPSC and PSC.

| 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

AQAR 2021-22

Future Plans For 2022-23

Future Plans for the next Academic Session 2022-23

1. To organize online/offline - Workshop, FDPs, STTPs etc. for the benefit of Ph.D students, research scholars and college faculty.
2. To enroll faculty and students of various departments for NPTEL Certification Courses
3. To conduct basic training programmes like STAAD.pro, AutoCAD, "Python Programming", CATIA, SOLID WORK, PRO-E, ANSYS etc at the departmental level and Online programmes
4. Increase the Internet Band width from 100mbps to 300mbps.
5. Develop facility of personal counseling, Career counseling programmes and soft skill training programmes through Chief student counselor and team
6. Laboratory facilities to be provided for Artificial Intelligence and Data Structure
7. To identify various problems and issues specific to Pusad area especially to organize environmental awareness camps among the people through NSS and other Students Associations.
8. To achieve more number of University merits and GATE Score and placement of students and also organizing special drive to the pass out students and their placement and strengthening the alumni data.