# SELF STUDY REPORT

## FOR

## 1st CYCLE OF ACCREDITATION

# BRAHMA VALLEY COLLEGE OF ENGINEERING AND RESEARCH INSTITUTE

SURVEY NO. 592/B, AT ANJANERI, TRIMBAKESHWAR ROAD, TAL.
TRIMBAKESHWAR, DIST. NASHIK
422213
www.engineering.brahmavalley.com

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Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**May 2023**

# 1. EXECUTIVE SUMMARY

## 1.1 INTRODUCTION

BVCOE & RI began it's a humble journey under the visionary leadership of Mr. Rajaram D. Pangavhane (Patil) in 2008. The goal of setting up of educational institution has to promote and propagate education mainly for students from rural area at economical fees.

The campus of Brahma valley educational is located in the outskirts of Anjaneri (Trimbakeshwar- Nasik)High-Way) a sprawling campus of about 35 acres land. Our campus is situated in the valley surrounded by hills & reflects the beauty of nature. This place is also known as the birth place of Lord Hanuman and is close to Trimbakeshwar Temple which is one of the 12 Jyotirlingas of Lord Shiva which adds to the holiness and beauty of this area.

We at BVCOE & RI believe imparting right curriculum, coupled innovative teaching methodologies across multiple disciplines in our institute this creating a vibrant learning experience to all our students. The students are infused with an attitude of leading and wining without compromising on the moral and ethical values, making them holistically developed individuals. Our students are trained to become global leaders than followers.

The institute provides a distinctive excellence driver engineering education that will groom future generation of engineers and entrepreneurs. Total intake of BVCOE & RI is 360 seats. (Engineering-300, MBA-60).

The institute offers Undergraduate programs in Mechanical Engineering, Civil Engineering, Computer Engineering and Electrical Engineering, Postgraduate programs in Masters in Business Administrator (MBA). It offers Engineering and management programs with faculty who are motivated with a quest to promote engineering, technical and quality education. The spectacular growth in a short period of 15 years was possible due to humanity view of management towards faculty and staff. The faculty has put in efforts in pursuing research & development (R&D).

The institute has state of art infrastructural facilities in all departments for engineering research and development. Annual research paper publications of faculty and students reflect the facilities availability. The faculty of the institute continuously strives for imparting technical and soft skill knowledge to the students so as to make them employable at the time of campus recruitment by industry.

**Vision**

To create a center of excellence in the field of Technical Education by Holistically Developing future engineers, Technocrats, Achievers having the right knowledge, skills and attitudes towards profession and life.

**Mission**

To impart education to students to become the best Professional minds and entrepreneurs of today who will lead their activities successfully. To provide environment which fastens continuous improvement and

innovation with desired support and facilities to enhance student learning and faculty effectiveness. To provide facilities for Personality grooming, physical fitness and strong sense of social and environment responsibility.

# 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

## Institutional Strength

1. Visionary and proactive management
2. Lush green campus spread over 10 acres, away from city with calm and pleasant environment and non-polluting ambience
3. State of art infrastructure
4. Committed, retained faculty and staff
5. Well established laboratories
6. All classrooms are ergonomically designed supporting Student centric environment
7. 360 mbps internet bandwidth Wi-Fi enabled campus
8. Effective training and placement cell with more than 90% of the eligible students placed
9. Fully equipped and spacious central library with rich collection of books and journals
10. Uplifting the standard of living of the tribal students.
11. Well planned and organized Student Training and enriching Programs
12. MoUs with industries for student centric programs
13. Well-guarded and safe environment for on campus students
14. Co-curricular and extra-curricular activities for holistic development of students
15. Dedicated mentoring system
16. Outreach activities for societal needs

## Institutional Weakness

1. The students at the entry level are with poor competencies
2. Being a rural Institution, peer group interactions are not contributing to learning
3. R&D activities to be strengthened
4. English language proficiency of students to be improved

## Institutional Opportunity

1. Industries in the district are useful for internships and apprenticeships
2. The Institute has the reputed industries in and around the campus, whose interaction helps in improving the quality of research and education
3. To enhance collaboration with leading research institutions and industries for research projects with HAL, DRDO and consultancy with nearby MIDC.
4. Strengthening alumni networking to enhance the academic, placement and entrepreneurship activities
5. 'Center of Excellence' in select areas in engineering and technology
6. The Institute being in the rural area has lot of scope in serving the society through community programs, thereby contributing in enhancing the socio-economic development of rural area
7. To strengthen the departments by having all Ph.D. holder faculty.

**Institutional Challenge**

1. To get featured in NIRF ranking
2. Inculcating R&D culture among students
3. Start up and entrepreneurship on wider scale
4. Enhancing employability skills of students in rapidly changing technology in an affiliated institute
5. Adaptability to globally changing industrial scenario

# 1.3 CRITERIA WISE SUMMARY

**Curricular Aspects**

NGSPM's Brahma Valley College of Engineering & Research Institute Popularly known as BVCOE & RI runs Engineering & MBA Programme which was approved, recognized and affiliated to AICTE and Savitribai Phule Pune University, Pune with an intake of 360 seats.

For designing the curriculum, the college has involved stakeholders, such as industry experts, employers, experts from academia and alumnae. These Stakeholders are members of the governing body, academic council, IQAC and various boards of studies of the college. Regular meetings of these committees are conducted to review and revise the curriculum. College collects student's feedback on the curriculum, which is considered for any revision, if required. Objective of the curriculum is to provide quality education in engineering with extensive hands-on opportunities and industry exposure, so that students will be ready for careers in engineering.

The college offers skill-development and value-addition courses to enrich Curriculum at no cost or at a very low cost. Technical activities of professional societies and student clubs help to widen their horizons of knowledge. Total 52 Add on/Certificate programs are being offered by institute and 92.09% students enrolled during the last five years having more than 30 contact hours. Overall 62.65 % of students are involved in Project Based Learning, Internship, Project Work and Field work. The institution focuses on cross cutting issues by arranging various co-curricular activities.

At the first year level, all the students study common courses. Students can continue branch-specific courses from second year onwards. However, they can change the branch, if they want at the second year level. At third year and final year level students can opt the courses of their choice from the available options under elective courses category. The departments conduct industrial visits, site visits, sponsored projects, technical events and Student Training Programs. The institute has well equipped central library.

The student feedback is taken in every semester to assess the quality of teaching-learning in all courses, andcorrective measures are taken by the faculty based on the feedback. The institute has a formal mechanism toobtain feedback on curriculum from other stakeholders like final year students, alumni, parents and industry.

**Teaching-learning and Evaluation**

The quest of excellence in academics can be achieved through the teaching learning and evaluation process. The institute is strictly admitted the students as per earmarked for various categories as per norms set by DTE and admission are mainly from within state. The institute has well qualified, experienced and student-teacher

ratio of 16.49. The academic calendar is circulated at beginning of academic year and institute is adhering with it. The various measures of teaching-learning and over all developmental activities are adopted to ensure quality engineering education. All the departments of the institute prepare the academic calendar for the entire semester to improve the quality of teaching-learning.

The college provides secure hostel facility at moderate cost to thestudents. This enables students from urban as well as rural sectors of Maharashtra and outside Maharashtra to enroll for the engineering program. The implementation of teaching plan and students' attendance is regularly monitored by teacher guardian and Head of Department and regular efforts are made to inform the students and parents. All the departments ensure the 100% coverage of the syllabus at the end of the semester. Regular unit tests, mock online examinations, prelim tests, mock oral/practical examinations are conducted for enhancing the student results at University examinations.

Communication skill development program is offered by the college to the Students coming from vernacular medium at no cost. The various pedagogical initiatives and teaching methods like active learning, ICT, e-resources, multicollaborative learning, Moodle, Flipped/Google classrooms, real world problems, innovative teaching methods, video lectures, PBL, experiential and problem solving learning are applied, along with conventional methods. The students are encouraged for NPTEL and MOOC courses.

Evaluation strategies for every course is designed as per the expected levels of different cognition-types, starting from students' ability toremember, recall and understand the subject areas presented to them to their ability to apply, analyze and evaluate the same. Faculty members are sent to attend Faculty Development Programmes, Conferences, Workshops organized by other premier Institutions/Universities. BVCOE & RI provides all infrastructures, teaching aids, computerlabs, LCD projectors, Smart boards, etc. in order to ensure effective implementation of the best teachingpractices in class.

**Research, Innovations and Extension**

BVCOE & RI believes that research cannot happen only in the labs without the involvement of fresh and young minds and learning cannot happen without research. In order to cultivate and nurture the research culture in to academic fraternity and the students, we have well articulated research policies and intent.

To promote innovation, eco-system, the institute has established cell for Entrepreneurship Development. During last five years approx. 10.5% who have been served in the institute has doctorate degree among them 02 are research guides recognized by university. Every year more than 20 project are sponsored by industry.

For Promoting Research and building research culture at institute, FDPs, workshops, seminars, conferences etc.were conducted. The faculty and students were encouraged to take part in it. The faculties received appreciation, awards & recognition from many recognized bodies for their extension & outreach activity program & contributions. Institute has organized more than 75 workshops/seminars/conferences during last five years. Faculty members of the institute have published 40 research papers in renowned journals during last five years. College has 30 numbers of Active MOUs with industry during last 5 year.

Through its NSS unit and professional society chapters, the college promotes various community engagement activities. College students and faculty members participate in activities such as blood donation camp, campus cleaning, and educating school children. These activities lead to the creation of students' awareness on social problems, to improve communication skills, teamwork and to grow students as socially sensitive human beings.

The Institute encourages the staff and students for research right from the undergraduate programme. Faculties and students are encouraged to participate in Technical Seminars, Workshops, National and International Conferences and publish papers. The Institute takes numerous initiatives for awareness and promotions of research spirit in the student. The active participation of faculties and students in research shows the energetic environment of our Institute which leads to continuous development of the society.

BVCOE & RI ultimate goal is to contribute to the betterment of society in addition to doing well for ourselves. This is accomplished through raising awareness, participating actively in government-organized drives, and many other things through extension activity.

## Infrastructure and Learning Resources

Institute is located near Shree Trimbakeshwar Jyotirlinga about 24 km from Nashik, Maharashtra, in a beautiful & pollution free 35 acre Brahma Valley Educational Campus. Institute is having required physical Infrastructure equipped with modern facilities and learning resources as per norms specified by regulatory authorities.

Institute is having 19 Classrooms with LAN & Wi-Fi internet connectivity (10 with LCD Projector), 4 Tutorial Rooms, 40 Laboratories, Drawing Hall, Workshop, Central Library, Language Laboratory, Playground, Gymnasium & Yoga facilities, Auditorium, Hostel, Canteen and Medical Facility. Laboratories have required experimental set up as per curriculum prescribed by affiliating University.

Proper drinking water & sanitation facilities are provided in the Institute. Institute is having CCTV surveillance, firefighting system, barrier free environment.

Management is supportive & passionate for infrastructure development; sufficient expenditure is done periodically for laboratories, other physical infrastructure augmentation and its maintenance.

Institute's computational facilities exceed the norms specified in terms of hardware & software. Every department has computer lab with minimum 20 computers & internet connectivity. Computer Centre with 100 computers is available. Student – Computer ratio is 3.84. Sufficient bandwidth for internet connection is available which exceeds the norms. Strong network of LAN & Wi-Fi access points is provided for internet connectivity. Sufficient numbers of computer peripherals like printers, scanners, etc are available. Institute is using Google Workspace for Education, by Google. UPS backup & diesel generator backup is available.

Spacious 475 sqm Central Library with Reading Room of capacity of more than 150 students is available. Library is having huge collection of learning resources which includes print, digital and online resources along with subscription of DELNET & Institutional membership (Club Membership) of NDLI. Library is automated with Library Manager (ILMS) software. Digital Library is equipped with 10 computers with multimedia facility & internet connectivity. E-Journals can be accessed through LAN. Institute has registered as NPTEL Local chapter to promote online learning.

Most of the maintenance activities like cleaning, gardening, civil work, sanitary services electrical, computer repair & maintenance, etc are done in-house. External agencies are appointed for laboratory maintenance, major civil / electrical repair & maintenance, etc work whenever required.

**Student Support and Progression**

The institute facilitates all the scholarships offered by both the State and Central Government. All the eligible students admitted in reserved category are receiving financial assistance from State Government. From the institute, 84.2% of students from different categories and sections have availed the benefit of various government Scholarship schemes in the last five years. Further, the institute enables the needy students to avail several private scholarships by organizing seminars. The institute arranges extra lectures for SC/ST students. Special preference is given for differently abled students for on-campus hostel accommodation.

The results of students for last five years are very good and placement of students in various industries shows the academic track record and employability of the students. The last five year average result is 84.87 %. Besides Placement, our few alumni have started their own ventures and supporting in the family business. The institute has the training and placement cell which help and guide students for industrial training, field visits, industrial visits, mock interviews/resume preparation, Group Discussion and career grooming, final placement by conducting on campus/off camps interviews. Training and placement cell provides pre-placement guidance to the students for placement activities. The cell coordinates internship and placement activities.

The institute encourages the students to participate in various events and sports and strives to interact with alumni for their academic support. Continuous feedback is obtained from alumni, graduating students and Industrial Advisory Board regarding teaching learning process, placements, internships and entrepreneurial activities. To be relevant in today's global market, this assessment is vital for the success of the institute. T&P Cell of the college provides complete assistance to placement. TPO and all Staff members guide students for their career.

The institute has a transparent mechanism to address the grievance of students including sexual harassment and ragging cases. The students' personal and academic grievances are taken care of by the guardian teacher, class teacher and the higher authorities, if needed. The institute has anti-ragging committee and squad comprising of Principal, senior faculty members and student representatives. The Alumni association contributes actively to the growth of the institution through registered alumni association.

**Governance, Leadership and Management**

BVCOE & RI promotes overall development of students and faculty through effective teaching and learning process. Also, various initiatives are taken by the institute to achieve the goal of the institute. E-governance has been successfully introduced in administration, finance and accounts, student admission and support and examination areas. The institute conducts both internal and external financial audits regularly and transparently. It has effective mechanisms and strategies for mobilization of funds and the optimal utilization of resources. Top management provides the necessary leadership, financial and administrative support to realize these policies.

The faculty is encouraged to attend faculty development programs, refresher courses, workshops, conferences etc. and is financially supported by providing on duty, travelling allowance, registration fee etc. Administrative and technical training programs are conducted for non-teaching staff. The institute collects feedback from all the students on teaching, curriculum and support services. The feedback from employers and alumnae are used to improve the overall performance of the institute.

Under the leadership of the Heads, the departments plan and execute their academic and administrative

activities. The finance and accounts are audited by internal and external auditors periodically. The performance appraisal of faculty is transparent as per Academic performance indicator set by the institute. IQAC was established in 2017 and active. The institute reviews the learning outcomes and quality of education provided at periodic intervals through IQAC as per set norms.

The management of the institute is always proactive in introducing new methods for enhancing the governance and leadership among faculty, staff and students. The institute organizes need based motivational training programs for faculty and staff. The HoDs are given academic and administrative freedom in smooth functioning and development of the department. The management encourages the faculty to carry out the research and consultancy activities. It has provided well-defined guidelines for the distribution of income generated through various research and consultancy programs. The institute aims to achieve the center of excellence in academic research in select areas of engineering.

Governing body of the institute has prescribed code of conduct for teachers, students and higher authorities of the institute to maintain discipline in the institute.

## Institutional Values and Best Practices

At all levels of academic and administrative endeavours, Brahma Valley College Of Engineering And Research Institute, Nashik encourages equitable participation and representation of both male and female students and employees by organising a variety of courses and events on gender equality. In addition to having CCTV cameras and security personnel on duty around-the-clock, the institution also has an effective Anti-Ragging Cell, Gender Committee, Prevention of Women Harassment Cell, and Student Grievance Redressal Cell. For first- and second-year students, the institution offers orientation sessions. For female staff members and female students, common rooms are available in the majority of the university's component units. Young children's daycare facilities have been built in the institution. The institution provides resources for alternative energy sources and energy-saving techniques, including solar energy systems, sensor-based energy conservation, and LED lights and other high-efficiency gear. Facilities for the handling of both biodegradable and non-biodegradable trash have been established by the Institution. There are facilities for conserving water, including rainwater collection, a recharge system for boreholes and open wells, tanks and bunds, wastewater recycling, and maintenance of water bodies and distribution systems. The institution has enough of parking for cars. Additionally, the institution boasts nice landscaping and a restriction on single-use plastics. The institution has received certification for its work on the campus' environmental promotion initiatives as well as for green audits, energy audits, and environmental audits. The Institute has created a welcoming environment for divyangjan students and staff, including ramps for easy access to classes, divyangjan-friendly classrooms, signs including tactile paths, lighting, display boards, and signposts, assistive technology, and mechanised equipment. The institution offers a welcoming environment that promotes tolerance and harmony towards the cultural, regional, linguistic, communal, socioeconomic, and other diversity in terms of festival celebration and the organisation of cultural programmes and awareness programmes on socioeconomic issues. Students from various states are housed in the hostels. The university routinely holds courses to educate students and staff members about their constitutional duties. Both personnel and students are required to abide by the established code of conduct, and the institution routinely hosts events in this respect. Commemorative days, occasions, and festivals are often observed on a national and worldwide level. The "Student Adoption Scheme" and "Provision of Promotional Service for Basic Education to the Rural Area" are the two best practises that the university effectively used. Institutional efforts to improve the socioeconomic conditions of the most vulnerable members of society and to raise rural residents' understanding of health and hygiene issues. The performance of the institution includes "overall development of students and management," under which a significant amount of

space has been recovered. This performance is unique to the school's focus and push.

# 2. PROFILE

## 2.1 BASIC INFORMATION

| Name and Address of the College | |
|---|---|
| Name | BRAHMA VALLEY COLLEGE OF ENGINEERING AND RESEARCH INSTITUTE |
| Address | Survey No. 592/B, At Anjaneri, Trimbakeshwar Road, Tal. Trimbakeshwar, Dist. Nashik |
| City | Nashik |
| State | Maharashtra |
| Pin | 422213 |
| Website | www.engineering.brahmavalley.com |

| Contacts for Communication | | | | | |
|---|---|---|---|---|---|
| Designation | Name | Telephone with STD Code | Mobile | Fax | Email |
| Principal | Hari Narayan Kudal | 02594-299202 | 8087561281 | - | princi.bvcoe@gmail.com |
| IQAC / CIQA coordinator | Santosh Haribhau Pawar | 02594-299162 | 7743895341 | - | princi.bvcoe@gmail.com |

| Status of the Institution | |
|---|---|
| Institution Status | Self Financing |

| Type of Institution | |
|---|---|
| By Gender | Co-education |
| By Shift | Regular |

| Recognized Minority institution | |
|---|---|
| If it is a recognized minroity institution | No |

| Establishment Details |
|---|

| State | University name | Document |
|---|---|---|
| Maharashtra | Savitribai Phule Pune University | View Document |

**Details of UGC recognition**

| Under Section | Date | View Document |
|---|---|---|
| 2f of UGC | | |
| 12B of UGC | | |

**Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)**

| Statutory Regulatory Authority | Recognition/Approval details Institution/Department programme | Day,Month and year(dd-mm-yyyy) | Validity in months | Remarks |
|---|---|---|---|---|
| AICTE | View Document | 20-07-2022 | 12 | Extension of Approval is granted every year for twelve months |

**Recognitions**

| Is the College recognized by UGC as a College with Potential for Excellence(CPE)? | No |
|---|---|
| Is the College recognized for its performance by any other governmental agency? | No |

**Location and Area of Campus**

| Campus Type | Address | Location* | Campus Area in Acres | Built up Area in sq.mts. |
|---|---|---|---|---|
| Main campus area | Survey No. 592/B, At Anjaneri, Trimbakeshwar Road, Tal. Trimbakeshwar, Dist. Nashik | Rural | 10 | 11553 |

## 2.2 ACADEMIC INFORMATION

| Details of Programmes Offered by the College (Give Data for Current Academic year) | | | | | | |
|---|---|---|---|---|---|---|
| **Programme Level** | **Name of Programme/Course** | **Duration in Months** | **Entry Qualification** | **Medium of Instruction** | **Sanctioned Strength** | **No.of Students Admitted** |
| UG | BE,Engineering | 48 | Passed HSC or its equivalent exam with Physics and Mathematics along with one of the Chemistry or Biotechnology or Biology or Technical or Vocational subjects, Score in MHT-CET or JEE Main Paper I | English | 120 | 7 |
| UG | BE,Engineering | 48 | Passed HSC or its equivalent exam with Physics and Mathematics along with one of the Chemistry or Biotechnology or Biology or Technical or Vocational subjects, Score in MHT-CET or JEE Main Paper I | English | 60 | 31 |
| UG | BE,Engineer | 48 | Passed HSC | English | 60 | 7 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | ing | | or its equivalent exam with Physics and Mathematics along with one of the Chemistry or Biotechnology or Biology or Technical or Vocational subjects, Score in MHT-CET or JEE Main Paper I | | | |
| UG | BE,Engineering | 48 | Passed HSC or its equivalent exam with Physics and Mathematics along with one of the Chemistry or Biotechnology or Biology or Technical or Vocational subjects, Score in MHT-CET or JEE Main Paper I | English | 60 | 58 |
| PG | MBA,Management | 24 | ANY GRADUATE ,Score in MHT-CET(MBA) | English | 60 | 58 |

**Position Details of Faculty & Staff in the College**

| Teaching Faculty | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Professor | | | | Associate Professor | | | | Assistant Professor | | | |
| | Male | Female | Others | Total | Male | Female | Others | Total | Male | Female | Others | Total |
| Sanctioned by the UGC /University State Government | | | | 7 | | | | 12 | | | | 50 |
| Recruited | 5 | 2 | 0 | 7 | 6 | 1 | 0 | 7 | 34 | 16 | 0 | 50 |
| Yet to Recruit | | | | 0 | | | | 5 | | | | 0 |
| Sanctioned by the Management/Society or Other Authorized Bodies | | | | 0 | | | | 0 | | | | 13 |
| Recruited | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9 | 0 | 13 |
| Yet to Recruit | | | | 0 | | | | 0 | | | | 0 |

| Non-Teaching Staff | | | | |
|---|---|---|---|---|
| | Male | Female | Others | Total |
| Sanctioned by the UGC /University State Government | | | | 0 |
| Recruited | 0 | 0 | 0 | 0 |
| Yet to Recruit | | | | 0 |
| Sanctioned by the Management/Society or Other Authorized Bodies | | | | 10 |
| Recruited | 9 | 1 | 0 | 10 |
| Yet to Recruit | | | | 0 |

| Technical Staff | | | | |
|---|---|---|---|---|
| | **Male** | **Female** | **Others** | **Total** |
| Sanctioned by the UGC /University State Government | | | | 0 |
| Recruited | 0 | 0 | 0 | 0 |
| Yet to Recruit | | | | 0 |
| Sanctioned by the Management/Society or Other Authorized Bodies | | | | 15 |
| Recruited | 13 | 2 | 0 | 15 |
| Yet to Recruit | | | | 0 |

## Qualification Details of the Teaching Staff

| Permanent Teachers | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Highest Qualification** | **Professor** | | | **Associate Professor** | | | **Assistant Professor** | | | |
| | Male | Female | Others | Male | Female | Others | Male | Female | Others | Total |
| D.sc/D.Litt/ LLD/DM/M CH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ph.D. | 5 | 2 | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 14 |
| M.Phil. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PG | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 25 | 0 | 63 |
| UG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Temporary Teachers | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Highest Qualification | Professor | | | Associate Professor | | | Assistant Professor | | |
| | Male | Female | Others | Male | Female | Others | Male | Female | Others | Total |
| D.sc/D.Litt/LLD/DM/MCH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ph.D. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| M.Phil. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| UG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Part Time Teachers | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Highest Qualification | Professor | | | Associate Professor | | | Assistant Professor | | |
| | Male | Female | Others | Male | Female | Others | Male | Female | Others | Total |
| D.sc/D.Litt/LLD/DM/MCH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ph.D. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| M.Phil. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| UG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Details of Visting/Guest Faculties | | | | |
|---|---|---|---|---|
| Number of Visiting/Guest Faculty engaged with the college? | Male | Female | Others | Total |
| | 0 | 0 | 0 | 0 |

**Provide the Following Details of Students Enrolled in the College During the Current Academic Year**

| Programme | | From the State Where College is Located | From Other States of India | NRI Students | Foreign Students | Total |
|---|---|---|---|---|---|---|
| UG | Male | 721 | 0 | 0 | 0 | 721 |
| | Female | 135 | 0 | 0 | 0 | 135 |
| | Others | 0 | 0 | 0 | 0 | 0 |
| PG | Male | 94 | 0 | 0 | 0 | 94 |
| | Female | 23 | 0 | 0 | 0 | 23 |
| | Others | 0 | 0 | 0 | 0 | 0 |

| Provide the Following Details of Students admitted to the College During the last four Academic Years | | | | | |
|---|---|---|---|---|---|
| Category | | Year 1 | Year 2 | Year 3 | Year 4 |
| SC | Male | 118 | 96 | 51 | 55 |
| | Female | 48 | 39 | 15 | 12 |
| | Others | 0 | 0 | 0 | 0 |
| ST | Male | 83 | 89 | 40 | 33 |
| | Female | 20 | 21 | 20 | 9 |
| | Others | 0 | 0 | 0 | 0 |
| OBC | Male | 320 | 303 | 242 | 222 |
| | Female | 60 | 49 | 42 | 30 |
| | Others | 0 | 0 | 0 | 0 |
| General | Male | 294 | 297 | 154 | 181 |
| | Female | 30 | 25 | 27 | 16 |
| | Others | 0 | 0 | 0 | 0 |
| Others | Male | 163 | 122 | 79 | 83 |
| | Female | 18 | 22 | 20 | 20 |
| | Others | 0 | 0 | 0 | 0 |
| Total | | 1154 | 1063 | 690 | 661 |

**Institutional preparedness for NEP**

| | |
|---|---|
| 1. Multidisciplinary/interdisciplinary: | The institute constituted the NEP Cell for increasing awareness & implementation of policies of NEP 2020. All staff members are motivated to participate in NEP-2020 related programs. Institute is planning to arrange multidisciplinary add on courses to promote multidisciplinary approach. Discussion is promoted among the faculty for better understanding. Staff members promote the humanities and scientific approach among students. Various programs / lectures are organised which are helpful to promote humanities and science with STEM. Various events are conducted through National Service Scheme (NSS), which serves the society & gives an opportunity to students and staff to engage with local residents, in which services are provided through helpful physical work ( Shramdan ). Flexibility in learning is given to students by offering various Elective subjects, in which students can choose subject/s as per their choice from the subjects offered by the University for the Concerned Class. Honours courses are offered by the University to promote interdisciplinary learning, it is prepared particularly to promote multidisciplinary approach as expected by NEP. Institute is planning to promote Multidisciplinary Project Work / Internship after discussion & approval of concerned affiliated University authorities, discussion is going on at Institute level at present. |
| 2. Academic bank of credits (ABC): | Institute is following the guidelines & instructions given by affiliating University to fulfil the requirement of Academic bank of credits as proposed in NEP 2020. The institute has taken initiative in creating awareness about Academic Bank of Credits (ABC) among the students. All students of the Institute are registered under ABC through affiliating University. Institute will be registered to ABC portal as soon as the required resolution (for affiliated Institutes) gets approved by the higher academic bodies. |
| 3. Skill development: | Institute is regularly arranging various expert lectures & add on courses for students to develop various skills apart from regular curriculum. Institute has developed language laboratory to develop soft skills among students. Various guest lectures are also arranged to boost soft skills & communication skills among the students. Various short term add on |

| | |
|---|---|
| | training programs are arranged for students like Autocad, Stadd Pro, Python, etc in integration with mainstream education which helps the students to get employment & provide better opportunities in their carrier. As part of the curriculum, Internship and Project Work is done by the students which helps them to acquire relevant work experience and employability skills. Institute celebrates various National Days & festivals which helps to promote truth (satya), righteous conduct (dharma), peace (shanti), love (prem), nonviolence (ahimsa), scientific temper, citizenship values, and also life-skills etc. Mandatory, electives, audit courses are introduced in the curriculum by the affiliating University with the learning outcomes in terms of understanding the theoretical and practical of approach. More than 60 add on training/skill development programs were arranged in the last 5 years, few of above courses were arranged through online mode. |
| 4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course): | The Institute is adhering & promoting Indian culture and heritage while imparting advanced technical education. Staff members and students are motivated to go through the contents available on the web portal iksindia.org to promote the rich heritage of our country and traditional knowledge in the field of Arts and literature, Agriculture, Basic Sciences, Engineering & Technology, Architecture, Management, Economics, etc. Many of our students are from rural background, remote tribal areas. It is observed that few students understand the concept better manner if explained in their mother language. Majority of students are from Maharashtra having mother language Marathi. Hence while conducting the classes in English, staff members also explain course content in Marathi / Hindi if demanded by the students. Institute celebrates various days & events which are helpful to promote Indian languages. Students are motivated to go through huge literature & resources available Marathi & Hindi. Instituting is motivating staff & students for various courses, books, etc available on iksindia.org. |
| 5. Focus on Outcome based education (OBE): | The institute offers 4 programs at UG level and 1 programs at PG level. The Institute is having well defined academic policies to focus on Outcome based education (OBE) as per curriculum of affiliated University. Faculty members are encouraged to participate in curriculum development at university |

| | level to ensure the restructuring of curriculum, assessment, and reporting practices in education to reflect the achievement of high order learning and better understanding. All the programmes have well defined programme specific outcomes, course specific learning outcomes and program educational objectives (COs, POs, PSOs and PEOs). Institute promotes experiential learning practices through Industry visits, Internship, Projects, etc, which helps the students to get practical exposure to innovation, research and converting ideas for the benefits to the society. Entrepreneurship Development Cell is constituted to promote entrepreneurship culture among the students. |
|---|---|
| 6. Distance education/online education: | Institute is promoting the usage of ICT enabled tools in the teaching learning process, as suggested in NEP as well. Most of the classrooms are ICT enabled with overhead projectors and Internet connectivity through LAN/ wi-fi. During the pandemic lockdown period, Institute has provided online learning to students, using various tools & platforms such a Zoom, Google meet, etc. Institute is promoting online learning by distributing e learning study material like recorded video lectures, notes, etc. Faculty & students are motivated to use various e learning portals such as e.g. NPTEL, SWAYAM, V-LAB. Institute has registered with NPTEL as Local Chapter. Institute is well equipped with all the required facilities for online teaching and learning facilities. |

**Institutional Initiatives for Electoral Literacy**

| 1. Whether Electoral Literacy Club (ELC) has been set up in the College? | Yes. Established in the year 2017 |
|---|---|
| 2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character? | Yes. Sr. No Year Faculty Coordinator Student Coordinator 1 2017-18 Prof.A.V.Dhumal Khatal Keval Kishor 2 2018-19 Prof.A.V.Dhumal Khatal Keval Kishor 3 2019-20 Prof.A.V.Dhumal Pagar Hrushikesh D. 4 2020-21 Prof.A.V.Dhumal Pagar Hrushikesh D. 5 2021-22 Prof.A.V.Dhumal Pagar Hrushikesh D. 6 2022-23 Prof.A.V.Dhumal Shubham Shinde |
| 3. What innovative programmes and initiatives | 1. Voter Registration camp for the eligible students in |

| | |
|---|---|
| undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc. | the campus. 2. Voter awareness camp conducted at various tehsil places in Nashik district. 3. Voter awareness camp conducted for disabled persons & senior citizen at various villages. 4. Voter awareness guest lectures conducted for in-house students. |
| 4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc. | 1. Graduate Constituency voter awareness & registration drive conducted in Nashik District. 2. Teachers Constituency voter awareness & registration drive conducted in Nashik District. |
| 5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters. | Voter registration drive conducted at Institute for above 18 yrs of age students |

# Extended Profile

## 1 Students

### 1.1

**Number of students year wise during the last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------|---------|---------|---------|---------|
| 1154 | 1063 | 690 | 661 | 666 |

| File Description | Document |
|------------------|----------|
| Upload Supporting Document | [View Document](#) |
| Institutional data in prescribed format | [View Document](#) |

## 2 Teachers

### 2.1

**Number of teaching staff / full time teachers during the last five years (Without repeat count):**

**Response: 120**

| File Description | Document |
|------------------|----------|
| Upload Supporting Document | [View Document](#) |
| Institutional data in prescribed format | [View Document](#) |

### 2.2

**Number of teaching staff / full time teachers year wise during the last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------|---------|---------|---------|---------|
| 70 | 72 | 77 | 83 | 98 |

## 3 Institution

### 3.1

**Expenditure excluding salary component year wise during the last five years (INR in lakhs)**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------|---------|---------|---------|---------|
| 377.51 | 364.27 | 406.27 | 325.62 | 504.60 |

26-05-2023 02:51:12

# 4. Quality Indicator Framework(QIF)

## Criterion 1 - Curricular Aspects

### 1.1 Curricular Planning and Implementation

**1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment**

**Response:**

**Response:**

Nashik Gramin Prasark Mandal's, Brahma Valley College of Engineering and Research Institute, Nashik, has been established in the year 2008, affiliated to SPPU, Pune and follows the curriculum given by SPPU University. The suggestions and corrective actions taken by Internal Quality Assurance (IQAC)/Academic Monitoring Committee (AMC) during earlier academic year are taken in to account. During preparation it is ensured that the system will work as student centric and outcome-based education (OBE) system. At the beginning of each semester meeting is held by principal with Head of Departments (HOD's) to plan the academic calendar of Institute by using the guideline from SPPU academic calendar. Before commencement of next semester, faculty gives the information for elective subjects to the students which help them to choose best elective which are considered while taking subject choices from every faculty.

The HOD allocates the subject to the faculty members as per their expertise adoption. Class wise and Course wise time tables is prepared for effective planning and delivery of courses. The consumables required for laboratory are procured well in advance and record is maintained. The required formats for maintaining the record and monitoring is provided to all faculty members. AMC carries out pre-semester commencement audit. As per schedule the academic commences. Faculty members prepare course files, teaching & lesson plan, practical plan & laboratory manuals. The overall monitoring of academics is maintained by Departmental and Institutional AMC. Every semester each teacher prepares a course file which contains the following documents.

1. Academic calendar
2. Syllabus
3. Time table
4. Lesson Plan and Teaching plan
5. Roll Call list
6. Student Attendance
7. Continuous Assessment Sheet
8. Teaching notes
9. Question papers & Solutions
10. Assignments
11. Record of Guest Lecture

A clear plan to fills up the curricular gaps either by teaching content beyond the syllabus, invited Expert lectures, workshops are also included in the course plan. Faculties are encouraged to implement the curriculum through student centric learning methods.

**Curriculum Deployment:**

As per need separate assignments, extra and Cocurricular activities are arranged for them to full fill Course outcome's (CO's), Program Specific Outcome's (PSO's) and Program Outcome's (PO's). The Facilities & provisions are extended for Advance learners & practice classes and remedial lectures for slow learner are made as per needs. Acadamic flexibility has been adopted through Major Project & Minor project are given for final year students. The final year students are encouraged to get sponsored project, also they are motivated to do internship. Due care is taken to provide exposures to the students about professional and industrial practices through interaction with various stakeholders.

**Industrial Visit and Guest Lectures** by experienced personalities from industries, education and research Institute are conduted regularly.

**Response:**

The academic calendar of the institute is an important document prepared at the beginning of academic year taking the reference of university calendar.

**The Institute's academic calendar constitutes schedules of:**

- Date of commencement and conclusion of semesters
- Curricular and co-curricular Activities
- Dissertation Viva-Voce
- Assignment Submissions
- Internal Prelim Examination/ Internal Examinations
- SPPU Online Examination
- SPPU Theory Examination
- List of Holidays

| File Description | Document |
|---|---|
| Upload Additional information | [View Document](#) |

## 1.2 Academic Flexibility

**1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)**

**Response:** 52

| File Description | Document |
|---|---|
| Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes | **View Document** |
| Institutional data in the prescribed format | **View Document** |
| Provide Links for any other relevant document to support the claim (if any) | **View Document** |

**1.2.2** *Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years*

**Response:** 92.09

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---|---|---|---|---|
| 1126 | 1000 | 688 | 637 | 448 |

| File Description | Document |
|---|---|
| Upload supporting document | **View Document** |
| Institutional data in the prescribed format | **View Document** |

## 1.3 Curriculum Enrichment

**1.3.1** *Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum*

**Response:**

**Response:**

The institute is affiliated to Savitribai Phule Pune University (SPPU; the institute follows the curriculum prescribed by the university. The programme design and improvement process is carried out by the affiliating university based on the needs of the civilization. Curriculum is revised at regular intervals. The institute/department / BoS collects regular feedback from all stakeholders, viz., students, parents, faculty members, professional bodies, and recruiters. The suggestions proposed are analyzed and the recommendations are communicated to the affiliating University though Dean (Faculty of Science and Technology), Chairman and/or member of Board of Studies, and during curriculum design and

development workshops. Some of the senior faculty members are representing as Dean (Faculty of Science and Technology), Chairman and/or member of Board of Studies. Earlier version and present curricula includes the topics such as environmental studies, Safety, security, ethics, social awareness, humanity and social science, professional Code of Conduct and similar subjects. To supplement the cross cutting issues such as Gender, Climate Change, Environmental and sustainability, Human Rights, ICT, Human values, special efforts are put various platforms and activities as

Grievances Redressal Cell, Women Grievances Redressal Cell, Sexual Harassment Redressal Cell, SC-ST Support Cell, Anti-ragging Cell exists in the institution

Active NSS Chapter and student clubs at each department regularly conduct various events/ programs like "Save Girl Child", "Tree Plantation Program and Environment awareness programs", "Jal Abhiyan", "Save Environment", "Godavari River Cleaning", "No Vehicle Day", "No vehicle day" and related many more.

Rallies, street plays and many awareness programs are organized to educate people to various issues like- Water Conservation, gender equality, and Road Safety.

Visits and donations to orphanages, old-age home, and villages are regularly arranged. Special IT person is appointed for each non-IT department for value addition of computer and IT Knowledge.

| File Description | Document |
| --- | --- |
| Upload Additional information | [View Document](#) |

**1.3.2 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)**

**Response:** 62.65

1.3.2.1 **Number of students undertaking project work/field work / internships**

Response: 723

| File Description | Document |
| --- | --- |
| Upload supporting document | [View Document](#) |
| Institutional data in the prescribed format | [View Document](#) |

## 1.4 Feedback System

**1.4.1** *Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website*

**Response:** A. Feedback collected, analysed, action taken& communicated to the relevant bodies and

feedback hosted on the institutional website

| File Description | Document |
|---|---|
| Feedback analysis report submitted to appropriate bodies | [View Document](#) |
| At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc. | [View Document](#) |
| Action taken report on the feedback analysis | [View Document](#) |
| Provide Links for any other relevant document to support the claim (if any) | [View Document](#) |
| Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted | [View Document](#) |

# Criterion 2 - Teaching-learning and Evaluation

## 2.1 Student Enrollment and Profile

### 2.1.1 Enrolment percentage

**Response:** 50.37

2.1.1.1 **Number of seats filled year wise during last five years (Only first year admissions to be considered)**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------|---------|---------|---------|---------|
| 363 | 351 | 316 | 274 | 263 |

2.1.1.2 **Number of sanctioned seats year wise during last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------|---------|---------|---------|---------|
| 494 | 504 | 593 | 713 | 807 |

| File Description | Document |
|------------------|----------|
| Institutional data in the prescribed format | [View Document](#) |
| Final admission list as published by the HEI and endorsed by the competent authority | [View Document](#) |
| Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only. | [View Document](#) |

### 2.1.2 *Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years*

**Response:** 60.84

2.1.2.1 **Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------|---------|---------|---------|---------|
| 225 | 210 | 221 | 192 | 207 |

2.1.2.2 **Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------|---------|---------|---------|---------|
| 301     | 275     | 338     | 382     | 438     |

| File Description | Document |
|------------------|----------|
| Institutional data in the prescribed format | [View Document](#) |
| Final admission list indicating the category as published by the HEI and endorsed by the competent authority. | [View Document](#) |
| Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule ( Translated copy in English to be provided as applicable) | [View Document](#) |

## 2.2 Student Teacher Ratio

**2.2.1 Student – Full time Teacher Ratio**
**(Data for the latest completed academic year)**

**Response:** 16.49

## 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 and teachers use ICT- enabled tools including online resources for effective teaching and learning process**

**Response:**

The college facilitates the effective conduct of the teaching – learning process.Student centric methods, such as experiential learning, participative learning and collaborative learning methodologies are used for enhancing learning experiences using ICT tools. As experimental and participative learning increases the overall understanding of the subject and its application.

**Experiential Learning:**

- Our Institution established industry powered centers to train the students on emerging technologies by signing MOU's with industries which helps our students to do their four to six weeks internship by working on field and final years students complete their projects by performing

experiments in various industries. Industry expert share their knowledge and experience and guide for completion of projects.

- Our Institution established e-learning facilities and resources like NPTEL, ATAL, COURSERA, MOOCs, Learning Management System (LMS), Content Management System, e-books and e-journals, digital library to improve their creative thinking in technical and research fields.

**Participative Learning:**

Students are motivated to take part in projects, Seminar, Model competition, National, State level competition, State level projects competition etc. Every department arrange programs for learners to Participate in different activities and learn on their own.

- Students are motivated to take Massive Open Online Courses (MOOCs) offered by premier institutions which includes online lectures, demonstrations and interaction through ICT facility.
- Various **Seminars, Webinars, Workshops, Study tours** are arranged for the students on various emerging topics..
- Major projects involving latest technologies and use of advanced soft-wares like PRIMAVERA, SPSS, STAAD-Pro, ETAB, MAT lab, Ansys, DJango, Eclips, Linux, Windows and Android Studio etc. are encouraged. **Problem-solving Methodologies:**
- Assignments in higher level of thinking are given to the students to break down ideas into simpler parts and find evidence to support self-learning abilities.
- Students are encouraged to find out the solutions for real time problems via case studies, and field/industrial projects/visits.
- Industry based projects are carried by the students.

**Placement Cell:**

- The College has a vibrant **Placement Cell**, which consistently creates programmes, like the Personality Development Course, skill development courses for experiential and creative learning processes to enable an increasing number of students to get better placements in the contemporary job markets

**COVID-19 Pandemic:**

- During COVID-19 the College has adopted ZOOM, GOOGLE MEET, GOOGLE CLASSROOM, MS Team as the platform for online teaching, facilitating enriched teacher-student interactive interfaces.Insem exams, orals were conducted online by using virtual platforms.

  **MoU's with Industries:**

  Institute has tie-up and signed active MoU's with various industries. Students are able to do their four to six weeks internships by actually working in industries to understand what actual processes are carried out in industries..Final year students are also able carry out their projects in various industries by actually preforming practical's in industries under guidance of industry experts.

  **NSS field work Activity:**

- NSS unit of the institute supports to conduct various activities like tree plantation, International yoga day (for health awareness), National Voters Day (for voting right awareness), road safety, fire safety awareness programs, save water save life, save girl child etc.

| File Description | Document |
| --- | --- |
| Provide Link for Additional information | [View Document](#) |

## 2.4 Teacher Profile and Quality

### 2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years

**Response:** 100

2.4.1.1 **Number of sanctioned posts year wise during the last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
| --- | --- | --- | --- | --- |
| 70 | 72 | 77 | 83 | 98 |

| File Description | Document |
| --- | --- |
| Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts) | [View Document](#) |
| Provide Links for any other relevant document to support the claim (if any) | [View Document](#) |

### 2.4.2 *Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)*

**Response:** 10.5

2.4.2.1 **Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
| --- | --- | --- | --- | --- |
| 12 | 09 | 09 | 06 | 06 |

| File Description | Document |
|---|---|
| Institution data in the prescribed format | [View Document](#) |
| Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities | [View Document](#) |
| Provide Links for any other relevant document to support the claim (if any) | [View Document](#) |

## 2.5 Evaluation Process and Reforms

**2.5.1 Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient**

**Response:**

The institute supports a credit-based continuous evaluation system. The lecture plan, evaluation scheme, grading policies and tentative dates of continuous internal evaluation to be conducted during the semester are announced well in advance (first lecture) by the course teacher. The internal assessment & external assessment process is carried out transparently. Internal evaluation of laboratory courses, term works, seminars, project-based learning, and final-year projects are part of the teaching-learning process. At the time of reporting, the faculty explains the whole evaluation process, including in-semester examinations, end-semester examinations, teamwork evaluation, mock oral / practical assessment process and project / seminar evaluation. Class timetables along with class tests are given by the faculty to the students at the time of reporting and explained that the internal examinations are coordinated and conducted by the examination cell & semester end as per academic calendar of University.

At the time of reporting, the academic calendar contains academic activities given to the students. Students are also notified and well-known about the distribution of marks and the schedule of internal evaluation. Workbooks for seminars, project-based learning, and projects are provided to the students in advance, which includes all the guidelines and schedules of activities related to continuous assessment. Internal & continuous assessment of each laboratory term work head is carried out and known to the students. The laboratory work evaluation is the award of term work marks & in-semester marks displayed on the notice board.

Student's performance is evaluated through formative and summative assessments as per the norms of the SPPU. Any grievances relating to the evaluation process are promptly addressed by the committee appointed by the examination cell as per the university's guidelines. SPPU insists on a minimum of 75% attendance for appearing in examinations which is one of the benchmarks for term work.

All examination timetables are displayed on the departments notice board, web portal, and SMS to students. The question paper pattern and model answer paper are informed to the students by the concerned faculty members before the commencement of the examination. Information regarding marks verification and revaluation of answer sheets, the college office provides photocopies of answer sheets as per requirements from the students. Class teachers and authorities carries out assessment and result analysis from time to time. Students' performances are monitored, and teacher feedback is collected for remedial measures. The authorities conduct review meetings from time to time.

Few students are slow learners, few are Fast learners. Remedial classes are carried out for slow learners and absentee students. Fast learners are motivated to participate in various competitions facilitating required exposures'.

During the induction program, parents are informed about the evaluation process as well as the effective teaching–learning process. The parents are advised to visit the college for necessary future steps for improving the performance of their wards.

At the time of parents meet, the student's performance and progress reports are monitored and provided to parents after every assessment and evaluation. The parents or guardians are also intimated about the performance of their wards.

| File Description | Document |
|---|---|
| Upload Additional information | [View Document](#) |

## 2.6 Student Performance and Learning Outcomes

**2.6.1** *Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website*

**Response:**

The college has defined Program Outcomes (POs), Program Specific Outcomes (PSOs) for each program and Course Outcomes for each course. These are displayed on website and communicated to teachers and students through display at classrooms and prominent locations of college.

The POs define the capabilities the students of a program are expected to achieve at the time of graduation.

The following modes give the Program Outcomes and Program Specific Outcomes and are published and disseminated:

1. College Website- Department Home page.
2. Institute Website
3. Student/ Faculty notice boards
4. Laboratory notice boards
5. Posters in corridors in each department, administrative areas
6. Laboratory manuals
7. Project work book
8. Conference proceedings
9. Various activities like FDP/STTP/etc. brochures
10. Department News Bulletin

11. Faculty Course files
12. Teaching in classroom
13. through various feed back

The Course Outcomes (COs) are published and disseminated through following modes:

The responsibility to disseminate the COs to students in classrooms is taken by the Course faculty. COs are published in course file, presentation and e-learning resources.

COs describe the fundamental knowledge skill set about the course that student will be able to acquire at the end of a course. University provides the semester wise syllabus for each programme. Along with the syllabi, for many courses COs are defined by the University. Generally, the faculty members follow the COs provided by the University, but sometimes COs are modified and redefined timely as per the curriculum changes. In the situation where COs are not provided by the university, considering the guidelines of NBA for each programme, faculty members prepare the same. Using Bloom's taxonomy, the subject teacher prepares the course outcomes in consultation with the Head of the Department. The mapping of COs with POs and PSOs is done for every course, as COs are the path way to attain POs and PSOs and thereby the Mission and Vision of the institute.

| File Description | Document |
|---|---|
| Provide Link for Additional information | [View Document](#) |

**2.6.2** *Attainment of POs and COs are evaluated.* **Explain with evidence in a maximum of 500 words**

**Response:**

The institute evaluated the attainment of Program Outcomes (POs) and Course Outcomes (Cos) by adopting the following procedure.

1. To evaluate PO's and CO's, the institute adopts the two assessment methods

2. Direct Assessment

3. Indirect Assessment

The direct assessment is divided into internal and external components. Based on the outcomes of university examinations, the external evaluation.

Internal assessments include term Work and tests from classes. CO is calculated using the course exit survey, which serves as an indirect assessment method. The rules are set up to give university exams 80% of the weight and internal assessments 20% of the weight when calculating a course's direct CO

achievement. In addition, to calculate the total CO achievement of a course, direct evaluation is given 90% weight and indirect assessment 10%.

| External Assessment | | |
|---|---|---|
| University Examination | Theory exam (In-sem & end-sem) | |
| | OR/PR/TW | |

The target might be expressed as a percentage of students scoring higher on the final test than the program's choice or higher than the university's average score. SPPU, Pune, however, does not offer helpful data like average or median grades. As a result, the program's definition of the goal level for every subject is the average score students received on that course's last three university exams, as suggested by the programme assessment committee.

Attainment Level 1 – 0-50% students scoring more than target value

Attainment Level 2 – 50-70% students scoring more than target value

 Attainment Level 3 – More than 70% students scoring more than target value

**Internal Assessment Tool**

1. Unit tests
2. Assignment

**Indirect Assessment Tools**

1. Course Exit Survey: At the end of each semester, a course exit survey is conducted to analyze all course outcomes.

2. Program Exit Survey: This survey is conducted at the end of B.E program to analyze all the program outcomes

Attainment level 1: The average percentage is 61 -70%

Attainment level 2: The average percentage is 71-80%

Attainment level 3: The average percentage is >=81%

**Steps for Calculation of Attainment:**

Attainment through Direct Assessment (80%)

1. Set the threshold for marks to assess the student's performance in internal assessment and end

   exam semester exam. (E.g. 40% is set)

2. Find the no. of students scored 40% and above.

3. Find percentage attained (i.e. How many percent of students are scored 40% and above).

4. Rate the level (High-3, Med-2, Low-1) to each Course outcome depending on the percentage

attained as discussed in point 3 and as per the rubric set for CO-attainment

Internal Assessment = (Internal Exam + Assignments + Dept Innovative tools)/3

Direct CO Attainment = (0.8 * End Exam +0.2*Internal Assessment)

Attainment through Indirect Assessment (20%)

    1. The indirect assessment contains CO exit survey at end the end of each semester. Hence overall CO

Attainment is calculated as follows:

Overall CO Attainment = (0.9 * Direct CO Attainment +0.1*Indirect CO Attainment)

| File Description | Document |
|---|---|
| Upload Additional information | [View Document](#) |
| Provide Link for Additional information | [View Document](#) |

**2.6.3 Pass percentage of Students during last five years  (excluding backlog students)**

**Response:** 84.12

2.6.3.1 **Number of final year students who passed the university examination year wise during the last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---|---|---|---|---|
| 407 | 260 | 187 | 129 | 140 |

2.6.3.2 **Number of final year students who appeared for the university examination year-wise during the last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---|---|---|---|---|
| 456 | 267 | 213 | 198 | 201 |

| File Description | Document |
|---|---|
| Institutional data in the prescribed format | [View Document](#) |
| Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise. | [View Document](#) |

## 2.7 Student Satisfaction Survey

**2.7.1 Online student satisfaction survey regarding teaching learning process**

**Response:**

| File Description | Document |
|---|---|
| Upload database of all students on roll as per data template | [View Document](#) |

# Criterion 3 - 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 last five years (INR in Lakhs)*

**Response:** 0.4

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

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------|---------|---------|---------|---------|
| 0.4     | 0       | 0       | 0       | 0       |

| File Description | Document |
|------------------|----------|
| Upload supporting document | [View Document](#) |
| Institutional data in the prescribed format | [View Document](#) |

## 3.2 Innovation Ecosystem

**3.2.1 Institution has created an ecosystem for innovations, Indian Knowledge System (IKS),including awareness   about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident**

**Response:**

The institute has created an ecosystem for innovation and other initiatives like creation and transfer of knowledge by establishing R&D Cell, Entrepreneurship Cell, Performance Appraisal System and MoU with external Agencies for creation and transfer of knowledge. The college has a Research and Development Cell to motivate the faculty members and provide mechanism for submission of minor and major research proposals to various funding agencies like DRDO, DST, AICTE, DBT, etc.

R&D cell takes every initiative to support and inculcate faculty members to apply for research projects to different funding agencies (Non-Govt.) .R&D cell organize different Faculty Development Programs (FDP), Short Term Training Program (STTP), Technical Workshops, Seminars, Industrial Visits, National and International Conferences for creation and transfer of knowledge among the students and faculty members

R&D cell regularly organizes Train the Trainer programs by the senior faculty to the newly joined faculty to transfer the knowledge on methodology of teaching different courses at undergraduate level. It also promotes the faculty to attend the training programs by way of guest lectures and expert's lecture sessions at other institutions for knowledge sharing.

The teaching-learning process is based on choice-based credit system of the University. It helps and motivate the students to do theme-based research projects which in turn make the students to have innovative knowledge helpful to the industry and society. Students are made aware about various research funding schemes of Government, AICTE, DST, SPP University. Regular industrial visits for the students are arranged at research organizations like CDAC, CWPRS, CEMET, IRSHA, Agharkar Research Institute, DIAT, DRDO, NCL, RCF, ARAI and industries like RCF, Fluid Controls, TATA Picasso etc. This in turn motivate the students to take up industrial projects at these reputed research organizations.

Students are encouraged to take up and participate in code development activities such as Coding contests etc., which train the students towards innovation. The students also participate at national conferences for knowledge sharing. R&D cell encourages the faculty to pursue higher studies by offering study leaves for their course work completion. Faculty is encouraged to conduct research activities and make publications in the journals of repute for knowledge sharing. The institution has the practice of conducting various workshops and conferences periodically for creation and sharing of knowledge. They are also encouraged to contribute to national and international conferences conducted outside the institution as part of this initiative. Similarly some of the faculty members have published technical books for knowledge creation and transfer. The faculty has been encouraged to take up Intellectual Property rights as an initiative towards innovation and knowledge sharing.

The library and laboratories resources are made available to the researchers for experimentation. Further, institute motivates the faculty and students to participate in different activities carried out in industry and society. This kind of well-defined practices has helped the institute to bring major changes in outcome amongst the students and faculties to present and publish papers in journals and conferences, organize and attend FDPs, STTP, seminars, workshops, start-ups and to file patents.

| File Description | Document |
|---|---|
| Upload Additional information | [View Document](#) |

**3.2.2** *Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years*

**Response:** 47

3.2.2.1 **Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---|---|---|---|---|
| 11 | 09 | 09 | 09 | 09 |

| File Description | Document |
|---|---|
| Upload supporting document | View Document |
| Institutional data in the prescribed format | View Document |

## 3.3 Research Publications and Awards

**3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years**

**Response:** 0.33

3.3.1.1 **Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---|---|---|---|---|
| 07 | 10 | 06 | 08 | 09 |

| File Description | Document |
|---|---|
| Institutional data in the prescribed format | View Document |
| Provide Links for any other relevant document to support the claim (if any) | View Document |

**3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**

**Response:** 0.26

3.3.2.1 **Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---|---|---|---|---|
| 01 | 09 | 13 | 05 | 03 |

| File Description | Document |
|---|---|
| Institutional data in the prescribed format | View Document |
| Provide Links for any other relevant document to support the claim (if any) | View Document |

## 3.4 Extension Activities

**3.4.1 Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.**

**Response:**

Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge. Extension activities are carried out in the neighbourhood community, sensitizing students to social issues, for their holistic development, and impact thereof. Diverse activities such as tree plantation, cleanliness drive, AIDS awareness campaigns, village visits, health wareness lectures and training programmes are conducted as part of extension activities under NSS and Youth Red Cross, health checkup, dental checkup and eye checkup camps. **The students of institute actively participate in various activities carried out in neighborhood villages, cities. Various social activities are carried out by college to give social touch to student and from these activities students understand social problems and try to find out solutions of social problems. Due to this students behave in responsible manner in society. Our college organized activities like**

1. **Swatch Bharat Abhiyan at Trambakeshwar**

**Due to Swatch Bharat Abhiyan students are aware to maintain Personal hygiene and cleanliness in society wherever they reach. Due this students live healthy life.**

2. **Tree Plantation (Van Mahotsav) at hills of Anjaneri**

**Students made aware importance of tree plantation activity like trees reduces pollution from atmosphere and increases level of oxygen in atmosphere. Due to trees, percentage of rainfall is increase in area. Also, from waste leaves from trees can be used for Vermi compost.**

3. **How to protect yourself and others from swine flu in Nashik.**

**By participating in this activity students are made aware precautionary steps implemented in order to protect our self and other from swine flu.**

4) **Help people come by walking from various part of Maharashtra to trambakeshwar in Dindi**

**Students participated in this activity are known their social responsibility to help other needy people by distribution of food, water, tea, snacks, medical help like providing pain relief spray, amrutangan balm etc**

5) **Awareness campaign about protection about infection diseases like cough, Fever, Swine flu etc (Mask distribution at S.T. bus stand Nashik)**

**Students participate in mask distribution activity are made aware how to protect our self and other people from infection diseases like Cough, Fever, Swine flu etc and behave responsible manner   in society.**

**6) Optimum and effective use of mobile at Chambharshet**

**H.S.C students are made aware about how to optimum and effective use of mobile in order to avoid wastage of time**

**Institute has a N.S.S. Unit. One week N.S.S. camp is organized in adopted village. During N.S.S. Special Camp activities are carried out like**

1. **Clean the village by collecting Plastic waste,**
2. **Remove the grass from road side**
3. **Made survey in Village to understand problems of villagers**
4. **Arrange reading competition for kids**
5. **Guest lectures on various topics like beti bachao, beti padhavo, water conservation, avoid environmental pollution**
6. **Shramdaan**
7. **Tree Plantation**
8. **Making arrangement for waste water from well to newly planted trees**

**Institute conducts various activities like no vehicle day, Mask distribution in city to protect people from infection disease like** cough or sneeze, swine flu, fever. etc. Also, educational wareness camps are organized for tribal students in tribal areas.

| File Description | Document |
|---|---|
| Upload Additional information | [View Document](#) |

**3.4.2 Awards and recognitions received for extension activities from government / government recognised bodies**

**Response:**

A summary of awards and recognitions received for extension activities from government/government recognized bodies is as follows

Dr. C.K.Patil has been recognized for Savitribai Phule Excellence Award-2022 for Best Innovative Leader From International Award Conference on social & higher Education.

Our Alumni Mr. Bairagi Kunal founder of " **furry feeds** " has been awarded with best entrepreneur by government of Maharashtra. Award was given for the best pet food brand in Maharashtra who is having best quality food and treats for dogs and cats.

Our Teaching Staff Mr. Shivde K.S. has been awarded by Dr.P.V.Pawar Research and Innovative Centre for best research scholar award.

Blood Donation activity conducted on the occasion of National Sports Day in 2018.Award has been given by Arpan group of blood bank.

Our college has participated in Indian Education Summit in 2017.

Our Institiute has Paricipated in the "Make India IT literate run Prygma Educorp.

Grampanchayat Talegaon have appreciated the institute for exceptional work in NSS activities.

| File Description | Document |
|---|---|
| Upload Additional information | View Document |

**3.4.3** *Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years*.

**Response:** 59

3.4.3.1 **Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---|---|---|---|---|
| 13 | 10 | 11 | 13 | 12 |

| File Description | Document |
|---|---|
| Institutional data in the prescribed format | View Document |
| Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency | View Document |

## 3.5 Collaboration

**3.5.1** *Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years*.

**Response:** 31

| File Description | Document |
|---|---|
| Institutional data in the prescribed format | [View Document](#) |
| Provide Links for any other relevant document to support the claim (if any) | [View Document](#) | |

# Criterion 4 - Infrastructure and Learning Resources

## 4.1 Physical Facilities

**4.1.1 The Institution has adequate infrastructure and other facilities for,**

- **teaching – learning, viz., classrooms, laboratories, computing equipment etc**
- **ICT – enabled facilities such as smart class, LMS etc.**

**Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)**

**Response:**

The Institute has a beautiful landscape, pollution free lush green environment of 10 acres situated within Brahma Valley Educational Campus of 35 acres. Institute is having required physical infrastructure equipped with modern facilities and learning resources which ensures fruitful teaching learning activities to meet current and future requirements of the courses offered.

Institute has developed best infrastructure as per norms and criteria specified by concerned regulatory bodies like AICTE, DTE Maharashtra, affiliating University, to maintain the continuous excellent quality of academic programs. Number of Classrooms and Laboratories exceeds the requirement norms specified by AICTE.

**Classrooms:**

The Institute has 19 spacious well-furnished, well ventilated, spacious classrooms with required infrastructure. 10 Smart Classrooms with LCD projector and internet connectivity are available. Institute is using Google Workspace for Education, which includes Google Class Room as Learning Management System (LMS). Tutorial Rooms are available as per norms.

**Laboratories:**

Institute has established laboratories, workshop, and drawing hall, etc. as per AICTE norms & have required experimental set up as per curriculum prescribed by affiliating University. All laboratories are well equipped with state of the art equipment and facilities. Language Laboratory with required hardware & software is available to improve communication/ soft skills of students.

**Central Library:**

Spacious Library of 475 sqm with reading hall of 150+ students is available. Digital library with multimedia facility is available with adequate books, magazines, journals, etc.

**Computing Equipment:**

Adequate number of computers, printers and scanners are available, which exceeds the norms prescribed by the AICTE. Computer Center is available with 100 computers.

**Internet & Wi-Fi Facility:**

All computers in the Institute are having Internet connectivity through LAN/Wi-Fi. Sufficient numbers of Wi-Fi access points are provided. Every department is having Wi-Fi access point.

**Boys & Girls Common Room:**

Boys & Girls Common Rooms are available with required infrastructure.

**Drinking Water & Sanitation Facility:**

Sufficient numbers of water filters with coolers are installed to provide pure & safe drinking water. Proper sanitation facilities are available in the Institute.

**Gymnasium & Yoga:**

Gymnasium is available with new and modern equipments. Campus is air & noise pollution free & is ideal for Yoga activities. International Yoga Day is celebrated to promote Yoga activities.

**Cultural Activities:**

Annual cultural Event "Brahmotsav" is celebrated to promote cultural activities. Cultural Committee is constituted to promote cultural activities. Various Cultural Festivals, National, International Days are celebrated regularly.

**Sports & Games (Indoor and Outdoor):**

Institute is having huge playground of nearly 7 acres for outdoor games like Cricket, Running, Kabaddi , Football, Volleyball etc. Sufficient space & infrastructure is available for indoor games like Chess, Carrom, etc.

**Auditorium:**

Sir Visvesvaraya Auditorium is available with all required facilities.

**Transportation Facility:**

Transportation facility is available for students & staff members.

**Medical Facility:**

In campus Clinic with experienced doctors is available.

**Hostel Facility:**

Separate hostels for girls and boys students are available in the campus with all required facilities.

**Cafeteria** & **Canteen Facility:**

Spacious Cafeteria & Canteen is available for students, staff & visitors which serves nutritious & healthy food.

| File Description | Document |
|---|---|
| Upload Additional information | View Document |

**4.1.2** *Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years*

**Response:** 14.21

4.1.2.1 **Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---|---|---|---|---|
| 55.30 | 69.15 | 49.93 | 56.09 | 50.59 |

| File Description | Document |
|---|---|
| Institutional data in the prescribed format | View Document |
| Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted) | View Document |

## 4.2 Library as a Learning Resource

**4.2.1** *Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students*

**Response:**

**Central Library:**

Institute is having well-equipped spacious Central Library with of 475 sqm with all the required facilities. Library is having huge collection of learning resources which includes print, digital and online reading material, etc. Library is automated with required digital facilities, Internet connectivity is available in the library through LAN & Wi-Fi. Library uses Dewey decimal classification system. Library is updated as per need of courses offered by the Institute. Daily news papers are also available in the library along with other

resources. Various essential facilities are available in the library like scanner, printer, etc. CCTV cameras are installed in the Library.

**Reading Room:**

Spacious Reading room with suitable environment & infrastructure is available with capacity of more than 150 students with required infrastructure.

**Integrated Library Management System (ILMS):**

Library is automated with by Library Manager, Integrated Library Management System (ILMS) software. It is implemented since AY 2013-14 and it works on barcode technology. Bar code is assigned to all the books in the Library .The Library follows open access system encouraging the user to browse freely in the stack area. OPAC (Online Public Access Catalogue) system is implemented to ease the search of required book/journal, etc. Due to quick service provided, the students require significantly less time to issue and return books.

**Digital Library:**

The Central Library has a Digital Library equipped with multimedia facility, with more than 10 numbers of computers with internet facility. Institute is registered as NPTEL Local chapter to promote online learning. It can be used to access NPTEL/ SWAYAM & SWAYAM PRABHA etc. It can also be used to for access downloaded video lectures , e content developed by faculty members, various online courses , e books, CDs, e-journals, previous question papers available on University website, e news papers, etc. In addition to above The students and staff may visit SPPU (Sub-Center, Nashik) to access the available e-resources like IEEE, Springer, Science Direct, Wiley Blackwell etc , this facility provided by the affiliating University for staff and students.

**Subscriptions to e-resources and journals:**

The Institute has an Institutional Membership of National Digital Library of India (NDLI), which provides the online access to various learning resources. Institute motivates staff and students to get membership of National Digital Library. Institute has subscribed Membership of DELNET which provides access to access to e books, national & international e-journals, e-books, etc

**Optimal usage**

The library is optimally used by the faculty and students. Reading Room facility is also utilized by staff and students. Per day usage of the library is around 50.

**Library at a glance:**

| | |
|---|---|
| No. of Titles | 2919 |
| No. of Volumes | 7378 |
| No. of E-Books (PDF Format) | 3375 |
| Total No of Books (Hard copy) + E-books | 10753 |
| No. of National E-Journal. | 361 |
| No. of International E-Journals | 75 |
| Total No. of  E-Journals | 436 |
| No. of  CD/DVD | 405 |
| Total Cost of Books (Rs.) | 23,67,864 |
| Total Cost of Journals (Rs.) | 5,73,168 |
| Total Cost of E-Resource (Rs.) | 5,23,110 |
| **Total Cost of Library (Rs.)** | **29,41,555** |

| File Description | Document |
|---|---|
| Upload Additional information | View Document |

## 4.3 IT Infrastructure

**4.3.1 Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection** *Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words*

**Response:**

IT infrastructure & required softwares are available as per norms specified by affiliating University, AICTE and as per requirement of programs offered by the Institute. IT infrastructure includes Computers, Wi-Fi access points, printers, scanners, etc. Sufficient required accessories to support IT infrastructure like

LAN switches, CCTV cameras with DVR, digital camera & mic for online teaching leering, etc. are installed. Institute has purchased 470 numbers of computers from the inception.

IT infrastructure of the Institute exceeds the requirement norms specified by AICTE. UPS systems are installed with sufficient battery backup. Institute is also having diesel generator backup in case of major power issues if any. More than 100 Mbps bandwidth is available through multiple connections, which exceeds the requirement specified by AICTE. All computers in the Institute are having Internet connectivity through LAN/Wi-Fi. All departments are having Wi-Fi connectivity through Wi-Fi access points.

All departments are having Smart Classrooms equipped with LCD projectors & have internet connectivity through LAN or Wi-Fi. Computer Center with 100 computers & Language laboratory with 20 computers are available with required hardware & software. Digital Library is available with more than 10 computers with multimedia facility, the students can surf the Internet, attend online MOOC courses and access all the journals from this digital library. Staff and students can easily access computer / internet through computers available with the department or through computers at Computer Center / Library. Sufficient number of computer peripherals like printers, scanners, etc are available with all departments which can be easily accessed by the staff and students. Administrative office, Library, Laboratories are also equipped with all these facilities. Central Photo copying facility for students is available for students. Digital Identity Card Printing facility is available.

Institute promotes use of open source operating system softwares like Linux / Ubuntu etc along with various open source application softwares as recommended by AICTE. The institute is having Enterprise Resource Planning (ERP) facility to ease the administration. Institute is having centralized system admin section to take care of IT infrastructure, internet connectivity, software installation and hardware maintenance / up-gradation etc.

Institute has started NPTEL local chapter to promote online learning & have sufficient infrastructure for the same. Institute is using Google Workspace for Education, facility given by Google to educational Institutes.

Institute regularly updates & upgrades the IT infrastructure, few purchases done to strengthen the IT Infrastructure from AY 2017-18 are given below

| No | Material | Nos | |
|----|----------|-----|---|
| 01 | HP CPU Desktop Intel Core i5  Second Generation Computer with 17" LCD Monitor | 100 | |
| 02 | Laserjet Printer Canon 2900 | 7 | |
| 03 | Canon 1100 Scanner | 1 | |
| 04 | Computer Headphones | 20 | |
| 05 | Biometric Attendance Machine | 1 | |
| 06 | WD  1 TB External HDD | 8 | |
| 07 | USB Webcamera | 7 | |

| 08 | Wi Fi Internet Router | 12 | |
|----|----------------------|----|--|
| 09 | Segate 1 TB External HDD | 3 | |
| 10 | Computer Motherboard | 91 | |
| 11 | Intex Cabinet | 18 | |
| 12 | SMPS for Desktop computer | 30 | |
| 13 | 4 GB DDR3 RAM | 31 | |

| File Description | Document |
|-----------------|----------|
| Provide Link for Additional information | [View Document](#) |

### 4.3.2 Student – Computer ratio (Data for the latest completed academic year)

**Response:** 3.85

4.3.2.1 **Number of computers available for students usage during the latest completed academic year:**

Response: 300

| File Description | Document |
|-----------------|----------|
| Purchased Bills/Copies highlighting the number of computers purchased | [View Document](#) |
| Extracts stock register/ highlighting the computers issued to respective departments for student's usage. | [View Document](#) |

## 4.4 Maintenance of Campus Infrastructure

**4.4.1** *Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)*

**Response:** 15.6

4.4.1.1 **Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------|---------|---------|---------|---------|
| 70.21 | 59.54 | 59.81 | 47.05 | 71.96 |

| File Description | Document |
|---|---|
| Institutional data in the prescribed format | [View Document](#) |
| Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted) | [View Document](#) |

# Criterion 5 - Student Support and Progression

## 5.1 Student Support

**5.1.1** *Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years*

**Response:** 85.21

5.1.1.1 **Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------|---------|---------|---------|---------|
| 1009    | 882     | 618     | 576     | 523     |

| File Description | Document |
|------------------|----------|
| Year-wise list of beneficiary students in each scheme duly signed by the competent authority. | [View Document](#) |
| Institutional data in the prescribed format | [View Document](#) |

**5.1.2** *Following capacity development and skills enhancement activities are organised for improving students' capability*

    1. *Soft skills*
    2. *Language and communication skills*
    3. *Life skills (Yoga, physical fitness, health and hygiene)*
    4. *ICT/computing skills*

**Response:** A. All of the above

| File Description | Document |
|------------------|----------|
| Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills) | [View Document](#) |
| Institutional data in the prescribed format | [View Document](#) |
| Provide Links for any other relevant document to support the claim (if any) | [View Document](#) |

**5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years**

**Response:** 55.22

5.1.3.1 **Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution  year wise during last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------|---------|---------|---------|---------|
| 957 | 349 | 390 | 435 | 207 |

| File Description | Document |
|-----------------|----------|
| Upload supporting document | [View Document](#) |
| Institutional data in the prescribed format | [View Document](#) |

**5.1.4** *The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases*

1. **Implementation of guidelines of statutory/regulatory bodies**
2. **Organisation wide awareness and undertakings on policies with zero tolerance**
3. **Mechanisms for submission of online/offline students' grievances**
4. **Timely redressal of the grievances through appropriate committees**

**Response:** A. All of the above

| File Description | Document |
|-----------------|----------|
| Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance | [View Document](#) |
| Proof related to Mechanisms for submission of online/offline students' grievances | [View Document](#) |
| Proof for Implementation of guidelines of statutory/regulatory bodies | [View Document](#) |
| Details of statutory/regulatory Committees (to be notified in institutional website also) | [View Document](#) |
| Provide Links for any other relevant document to support the claim (if any) | [View Document](#) |

## 5.2 Student Progression

**5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years**

**Response:** 63.31

5.2.1.1 **Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------|---------|---------|---------|---------|
| 262 | 137 | 118 | 82 | 112 |

5.2.1.2 **Number of outgoing students year wise during the last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------|---------|---------|---------|---------|
| 407 | 260 | 187 | 129 | 140 |

| File Description | Document |
|------------------|----------|
| Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website) | [View Document](#) |
| List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website) | [View Document](#) |
| Institutional data in the prescribed format | [View Document](#) |

**5.2.2 *Percentage of students qualifying in state/national/ international level examinations during the last five years***

**Response:** 0.73

5.2.2.1 **Number of students qualifying in state/ national/ international level examinations  year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------|---------|---------|---------|---------|
| 01      | 01      | 0       | 0       | 01      |

| File Description | Document |
|------------------|----------|
| Institutional data in the prescribed format | [View Document](#) |

## 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 last five years**

**Response:** 2

5.3.1.1 *Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years*

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------|---------|---------|---------|---------|
| 02      | 0       | 0       | 0       | 0       |

| File Description | Document |
|------------------|----------|
| Institutional data in the prescribed format | [View Document](#) |

**5.3.2 Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)**

**Response:** 21

5.3.2.1 **Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------|---------|---------|---------|---------|
| 7       | 6       | 31      | 31      | 30      |

| File Description | Document |
| --- | --- |
| Upload supporting document | [View Document](#) |
| Institutional data in the prescribed format | [View Document](#) |

## 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**

**Response:**

Alumni are one of the main stakeholders of the institute as they contribute immensely to the development of the institute in multiple dimensions. Alumni of the institute are providing mentoring services to institute this became influential in making the students understand the industry institute gap and also the way to plan and shapeup their career in right direction and making the students to understand various business opportunities and providing all the support required for preparing the students to become industry ready or to make as entrepreneurs by knowing the current dynamics of the industry. The institute is conducting many alumni based events like online virtual meets, Guest lectures and knowledge sharing sessions, during the events, the Alumni are sharing their success stories to the ongoing students. Alumni could bring the need for tool-based learning, conducting project-based labs. Alumni have deliberated on concentrating on industry-based research projects and undertaking consultancy based on the expertise of the faculty and the kind of research labs supported by the department.

**Vision**

The vision of the Brahma Valley College of Engineering & Research Institute Alumni Association is to connect all alumni and present students by networking with one another and emotional connection between the college and its alumni.

**Mission**

This Alumni Association is aims to provide a common platform for all Alumni of this institution, the objectives of associations are

To encourage the interaction between Alumni and institute benefited mutually to both.

To guide the students of the Institute for higher education, professional development.

To boost the students of the Institute and Alumni members of the Association for research development work in various fields of Engineering.

To mentor students of the Institute on various professional careers available and support them through

various activities such as workshops, expert advice, seminars, industrial visits, etc.

To support and assist other regional bodies for training programs in entrepreneurship development, with resources available with the association.

Sighting the above objectives, the Alumni Association contributes in many ways. We conduct alumni meets every year for the engagement of alumni. It is our aim to develop everlasting relations with our alumni which in turn will give rise to mutual benefits.

**1. Alumni meet**:

Brahma Valley College of Engineering & Research Institute has a tradition of inviting alumni for Annual Alumni Meet. This is the best platform for networking and sharing their experiences, new trends and current happenings in engineering field.

**2. Alumni Interaction**:

Alumni of Brahma Valley College of Engineering & Research Institute give inputs to aspiring Engineering graduates. They are invited as resource persons at various events, guest lectures etc. They provide inputs and share their experiences regarding skills, industry working culture, recent technologies and application of knowledge.

**3. Campus Placement**:

Alumni come to campus as recruiters for their companies and also recommend and promote NGSPMs Brahma Valley College of Engineering & Research Institute to their employers for campus placements.

**4. Internship/ Project/In-plant training**:

Alumni provide opportunities regarding internship/ project/ inplant training in various industries to the students.

| File Description | Document |
|---|---|
| Upload Additional information | [View Document](#) |

# Criterion 6 - Governance, Leadership and Management

## 6.1 Institutional Vision and Leadership

**6.1.1** *The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.*

**Response:**

Brahma Valley College of Engineering & Research Institute is governed by Nashik Gramin Shikahan Prasarak Mandal's. Board of Trustees & Local Managing Committee (LMC) has been constituted. Board of Trustees & LMC always encourage the efforts of the college team taken in maintaining quality standards as well as provide guidance to different stakeholders for creating skilled engineers and overall development of the institute and always ready to serve the society.

LMC, College Development Committee, Principal are important members who frame and Implement the policies which are in accordance with Vision and Mission of the institute which in the governance of the Institute as a whole. Various institutional practices are perform and monitored with help of various institutional Committees under guidance of Principal.

The Principal holds meetings regularly with Academic Monitoring Committee and reviews the processes and plans of each department. All the decisions, policies and planning to improve the quality are reviewed and discussed. The Head of departments conduct regular meetings with the staff. The decisions, policies and planning are further reviewed by LMC, College Development Committee and Principal. The principal prepares the comprehensive implementation plan for execution. The implementation plan includes infrastructure and facilities development, procuring learning resources, appointment and training of human resources, conduction of the academic activities, co-curricular and extracurricular activities, and training and placement of students. IQAC has developed the strategic plan aligning with vision and mission of the institute. Faculty opinions and participation is given due importance by their participation in various committees like Academic Monitoring committee, Cultural Committee, Anti-ragging, Research, Examination, Placement.

Academic Decentralization:

There are different committees with well-defined functions that give academic and administrative leadership to the institution. A committee involves administrative staff and faculty members. Committee is responsible for overall development of the college and to recommend on the enhancement of student facilities.

Responsibilities are:

- Prepare the Academic Calendar before starting of the semester with the approval of the Principal.
- Load Distribution and Time table preparation
- Track the Syllabus completion of Theory/Lab for all the departments.
- To exercise general supervision over the academic work of the institution and to give direction regarding methods of instruction, evaluation, and improvements in academic standards.

- To make arrangements for the conduct of examinations in conformity with the University directives from time to time.
- To maintain proper standards of academic records. Namely handbook, course file content as per the university requirements etc.
- To take active measures for improvement of standards of teaching, training.
- To consider the recommendations of the sub-committees and discuss the issues/ developments at least once in a month.
- To discuss and review the co/extracurricular activities of the college
- Maintaining discipline in the campus.
- Maintain the Minutes of the Meeting.
- Organizing Conferences/ Workshops.

There are various central committees in the institute, the coordinator of the committees, plans development activities and ensures their timely execution and this reflects effective governance which are in accordance with Vision, Mission and quality policy of the Institute. The management has appointed auditors for statutory auditing and monitoring the financial transactions.

| File Description | Document |
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| Upload Additional information | **View Document** |

## 6.2 Strategy Development and Deployment

**6.2.1** *The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc*

**Response:**

*The institutional perspective plan has been effectively deployed.* The institute has a well structured administrative and academic setup under the guidance of supportive management. The perspective plan implemented strategically from establishment of institute. Progressively, the infrastructure has been expanded, the academic expansion has been done, extension services have been run, the resources have been procured, and practices have been standardized & trained targeting the Vision of the institute. The institution has effective Performance Appraisal System for teaching and non-teaching staff. The system includes qualification and competence improvement of the faculty and enhancement in teaching-learning environment that in turn enriches the learners. BVCOE & RI have set their priorities as being a prime support in employment generation for their students. To achieve this Institute has strong and efficient placement cell.

**Institutional Strategic Goals**

· Efficient Teaching learning procedure

· Effective Leadership and Participative management

· Constant Internal Quality Assurance System

· Ensuring effective governance

· Student's Overall Development through Participation

· Employees Advancement & Welfare

· Faculty member's participation in FDP

. Accelerate Placements

· Institute – Industry Interaction

Effectiveness of faculty performance appraisal system is measured at the end of academic year. Institute encourages participation of faculty in FDP's, STTP's, workshops, seminars, conferences, NPTEL, courses and motivates to use outcome based teaching methodology for continuous improvement in grade of each performance appraisal activity. Opportunities and support for conduction of social, extension and extra-curricular activities are provided to the faculty for enhancement of the grades in concerned performance appraisal activities.

There are various committees with well-defined functions that give academic and administrative leadership to the

Local Management Committee:

The Local Management Committee is responsible for defining the policies of the institution, providing the right direction for development of the institute, and ensures the proper governance periodically. And also plan in order to achieve the goals of the Institution from time to time.

College Development Committee :

The College Development Committee looks after the overall functioning, monitoring the processes & progress, and recommending the necessary guidelines for the overall development of the institute.

Service rules and procedures:

Employee Service rules and procedures are guided by the SPPU Pune University First Statutes, the Constitution of the college and the rules of the State Government as amended from time to time in this regard. The recruitment rules for the teaching staff are as prescribed by the UGC and the Eligibility as per AICTE. The promotional policies for the employees are according to the affiliated University, Savitribai Phule Pune University. Employee service book is maintained at institute.

Grievance Redressal Mechanisms:

There are several Grievance Redressal Mechanisms including the Anti-Ragging Cell, a Grievance Redressal Cell with complaint boxes prominently placed. The grievances regarding the Internal and External examinations are also resolved by the Examination Committee. Along with this, Student feedback

is taken by every department head and appropriate positive action is taken on the same.

Institute has regular practice of conducting practical oriented courses, Skill based learning, effective use of e-learning platforms for improvement in results.

| File Description | Document |
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| Upload Additional information | [View Document](#) |

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**6.2.2** *Institution implements e-governance in its operations*

1. **Administration**
2. **Finance and Accounts**
3. **Student Admission and Support**
4. **Examination**

**Response:** A. All of the above

| File Description | Document |
|---|---|
| Screen shots of user interfaces of each module reflecting the name of the HEI | [View Document](#) |

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## 6.3 Faculty Empowerment Strategies

**6.3.1 The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression**

**Response:**

Well-being of the staff is important for effective functioning of the Institute. The institution has effective welfare measures for all the staff members. The institution conducts quality improvement programs for faculty and training programs for non-teaching staff periodically. In order to improve the qualification, update their knowledge/skill sets faculty members are given academic leave or special leave to attend FDPS, Workshops/Seminars/Conferences/Industrial training programs organized by premier institutions. Registration fee/ travel grant is paid by the institute to the faculty to attend to these programs. Faculty is encouraged to register for PhD programs and special leave is given to the faculty to attend to the course work by the affiliating university or premier institution. The faculty members who complete their PHD are given three compounded increments. Also the Faculty of BVCOE & RI who qualify in UGC NET/SET are given Academic Grade pay.

The College makes arrangements for availing all the government schemes such as Gratuity, Pension, Commutation of Pension, Earned Leave encashment, Maternity Leave, Medical Facility, Leave on Overseas Project or Conference, Health Fund Scheme, Permission to attend FDP such as Orientation programmes and Refresher courses, short term courses, etc. for the career development and progression of the teaching as well as non-teaching staff.

**The Institution has a welfare mechanism in place, for teaching and non-teaching staff. The various welfare schemes are:**

- Priority given in the school admission of wards of the faculty and staff.
- Maternity benefits.
- Medical leave.
- Yoga classes.
- Wi-Fi facility.
- Indoor Hall.

**Appraisal system for teaching and non-teaching staff**

The assessment of the faculty is determined by their effectiveness for employment to identify and correct inefficiencies within the operating system of the institution. The following assessment elements are used to faculty appraisal system.

1. Assessment by principal
2. Assessment by HOD
3. Feedback of student

The institution evaluates non-teaching staff based on their performance in technical support and administration related activities, co-curricular, professional, development related activities and academic contribution. In line with this institute is following appraisal system suggested by AICTE.Performance based appraisal system (PBAS). This system classified into three categories.

1. Teaching learning and evaluation related activities

2. Co-curricular, extension and professional development related activities

3. Research publication and academic contribution

The following weightages are assigned to 3 categories 100:75:300. These are called Academic Performance Indices (API). At the end of the year, data pertaining to the above categories are collected from each faculty member in the Performa suggested by AICTE. Based on data collected, API score are calculated for each of the three categories. The principal in consultation with senior professor fix certain minimum API score to be achieved by the faculty member in the 3 categories. These score are used for the award of career advancement to the faculty member and for promotion to next higher position.

Further at the end of each semester feedback form issue to the student for each of the courses attended by them. The feedback form collects information about the teacher and the different aspects to the teaching process.

| File Description | Document |
|---|---|
| Upload Additional information | [View Document](#) |

**6.3.2 Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years**

**Response:** 45.5

6.3.2.1 **Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------|---------|---------|---------|---------|
| 23 | 27 | 35 | 01 | 96 |

| File Description | Document |
|------------------|----------|
| Policy document on providing financial support to teachers | [View Document](#) |
| Institutional data in the prescribed format | [View Document](#) |
| Provide Links for any other relevant document to support the claim (if any) | [View Document](#) |

**6.3.3** *Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years*

**Response:** 55.33

6.3.3.1 **Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP),** *Management Development Programmes (MDPs)* **professional development /administrative training programs during the last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------|---------|---------|---------|---------|
| 26 | 45 | 50 | 29 | 99 |

6.3.3.2 **Number of non-teaching staff year wise during the last five years**

| 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------|---------|---------|---------|---------|
| 10 | 10 | 10 | 10 | 10 |

| File Description | Document |
|---|---|
| Institutional data in the prescribed format | View Document |
| Provide Links for any other relevant document to support the claim (if any) | View Document |

## 6.4 Financial Management and Resource Mobilization

**6.4.1 Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)**

**Response:**

The Nashik Gramin Shikahan Prasarak Mandal's. Brahma Valley College has established a procedure for conducting internal and external audits on the financial transactions year wise to ensure financial compliance. Internal audit is conducted by the internal financial committee of the institution. The committee thoroughly verifies the income and expenditure details and the compliance report of internal audit is submitted to the management of the institution through principal External audit is conducted once in every year by an external agency.

The procedure used to monitor effective and efficient use of financial resources is as below:

At the beginning of every financial year, principal submits a proposal on budget allocation, by considering the recommendations made by the heads of all the departments, to the management. college budget includes recurring expenses such as salary for staff, electricity, Internet charges, maintenance cost, stationery cost, other consumable charges , and non – recurring expenses like purchases of lab equipment, furniture and other development expenses. The monitoring of expanses is done by account department according to allocated budget by local management committee.

Process of the internal audit:

All vouchers are audited by an internal auditor. The expense incurred under different heads is thoroughly checked and verify the bills and vouchers. If any discrepancy is found, the same is brought to the notice of the principal.

Process of the external audit:

External audit process is as per norms, as per the government rule the accounts of the college are audited by chartered accountant regularly. The auditor ensures that all payments are duly authorized after the audit, the report is sent to the management for review. Any queries, in the process of audit would be attended

immediately along with the supporting documents within the prescribed time limits. The institution did not come across with any major audit objection during the preceding years. All these procedure exhibit the transparency being maintained in financial matters and adherence to financial discipline to avoid defalcation of funds or properties of the institution at all level. The audited statement is duly signed by the authorities of the chartered accountant and management.

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

The Institute is a self-financing private institute has a well- defined financial policy which ensures optimal utilization of funds for Academic, Administrative and development activities. The institute is being run with self sufficient funds generated from tuition fee and other miscellaneous incomes. For development, expansion and renovation of building, the management always supports by providing required funds. Financial planning is done at the beginning of the academic year well in advance with efficient budget involving all the Heads, college development committee and Local Managing Committee

Sources of funds are as follows:

1. Fees: Fees from students are charged as per the Shikshan Shulka Samiti report and government

Norms. .

2. Govt. / Non Govt. / Other Grants: Some part of fees in terms of Scholarship received from Government,

3. Funds from University for NSS Activities

The management reviews all the financial activities through scrutiny of budgets and expenses in every Year.

| File Description | Document |
|---|---|
| Provide Link for Additional information | [View Document](#) |

## 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. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities**

**Response:**

The Nashik Gramin Shikahan Prasarak Mandal's. Brahma Valley College has IQAC cell for implementation of quality assurance strategies and processes at all extent of the institution's functioning .It monitors and review the teaching learning process, structures & methodologies of operations, and learning outcomes regularly and periodically

The IQAC has been performing Improvement in quality of teaching learning with OBE ideology by taking follow up through Feedback mechanism. IQAC has collected feedback in appropriate forms from different stakeholder categories, analyzed the same, and used it for qualitative improvement. Institute departments have conducted Academic and Administrative Audits and have initiated follow-up actions as per the suggestions and recommendations.

IQAC prepares, evaluates and recommends Annual Quality Assurance Report Self-Study Reports of various accreditation bodies such as NAAC, NIRF, Stakeholder's feedback, various Audits, Action Taken Reports. Institute and Department prepares academic calendar aligned with the academic calendar of SPPU. The Head of the Department allotted courses to all teachers after collecting course choices and accordingly Course teacher prepares the course material, plans activities for delivery of the course content, content, mapped Cos in concerns with coordinator and same is approved.

Other than teaching various innovative teaching-learning methodologies including ICT based tools and NPTEL videos to improve students' involvement and learning. Students are exploring e-learning facilities. Industrial visits are organized to make students aware of industry culture and reduce gap between industry and institute. Trainings and workshops are organized for hands-on practice, test question papers level of the associated CO. arrange guest lectures, competitions various events. Course teachers are motivated for participation in STTP/FDP to become aware and gain knowledge of recent trends and technologies.

IQAC initiatives are:
1 .Academic and administrative Audit:

IQAC conducts an internal academic audit once a semester and takes appropriate remedial actions to improve the quality of technical education. The main aim is to
determine the existence, operation, and effectiveness of the quality system. The continuous improvement is achieved through periodic audits and satisfying statutory requirements. Academic audits help the college to know their strength and challenges and IQAC to assess the quality status individually and institution. During the audit, course files are thoroughly verified.

1. Student Feedback Survey:
Reviews of the quality of the faculty members are taken once at the mid of the semester and the
other at the end of the semester to improve the teaching-learning process. Student Feedback Survey of Each and Every Faculty member who handled classes/practical in a semester is taken periodically. A standard questionnaire- simple and easy is used with key factors on which the faculty member's performance is assessed. Based on all the feedbacks, IQAC provides constructive comments to improve the quality of teaching and the teaching-learning process.

| File Description | Document |
|---|---|
| Provide Link for Additional information | [View Document](#) |

**6.5.2 Quality assurance initiatives of the institution include:**

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
2. **Academic and Administrative Audit (AAA) and follow-up action taken**
3. **Collaborative quality initiatives with other institution(s)**
4. **Participation in NIRF and other recognized rankings**
5. **Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

**Response:** A. Any 4 or more of the above

| File Description | Document |
|---|---|
| Quality audit reports/certificate as applicable and valid for the assessment period. | View Document |
| NIRF report, AAA report and details on follow up actions | View Document |
| List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date. | View Document |
| Link to Minute of IQAC meetings, hosted on HEI website | View Document |

# Criterion 7 - Institutional Values and Best Practices

## 7.1 Institutional Values and Social Responsibilities

**7.1.1 Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.** *Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words*

**Response:**

Gender equality is a fundamental human right and foundation for a peaceful, prosperous, and sustainable world. Gender equality is when people of all genders have equal rights, responsibilities, and opportunities. The institution understands the commitment towards gender equality, and many initiatives have been taken into consideration for the same. The institute has a culture of equal opportunity for all cadres and genders. It is reflected during academic, administration, and other activities. Brahma Valley College Of Engineering & Research Institute organizes various campus programs so students know their responsibility to the community.

**The Main Services Provided Listed Below:**

1. Safety & Security

The security of students is a top priority at every college campus. Nowadays, a safe and supportive campus community is both an obligation and a challenge for college administrators and students. So, on our campus, we provide CCTV camera provision for 24 hours. It helps to keep a check on antisocial activities. Students and other employees in the college to remain cautious about the surveillance. Guardians are satisfied with our discipline on campus. Fire extinguishers are kept at various locations in the institute. The security person at the entrance gate maintains the records of visitors. Sufficient lighting is provided in the campus during nights in case of extension of regular hours for placements or cultural activities. Separate hostels are provided for girls with appropriate security arrangements and hostel committees are formed to take care of the students.

2. Counselling

a. Mentor and Mentee

Tutors are assigned the responsibility of mentoring and counseling students. Each tutor takes care of a group of 20-25 students. Students are being counseled individually as per needs.

b. Women Grievance cell

The Women Grievance Cell was established in the Institute under the Act No 20 of 1990 of the Government of India. 'The Women's Grievance Redressal Cell' aims to ensure a safe and conducive environment for female employees and students. It provides confidentiality and support to the campus community who might be victims of sexual or physical abuse. Further, it helps the victims submit their grievances through informal and formal means; it ensures fair and timely redressal.

3. Common Rooms

In the institute, a separate girls' common room is provided, which is used during leisure time, lunch hours, and biological clock hours or as per the need. Facilities like drinking water, mirror, washbasin, sanitary pad vending machine, incinerator machines, and so on are made available.

4. Day Care Centre for young children

Society has a sister concern school nearby, which is extending support to provide daycare facilities to our faculty members' kids.

5. Other Relevant Initiatives by the Institute: Institute celebrates various events and organizes different activities like National Girl's Child Day, National Women's Day, Nirbhay Kanya Day, guest lectures by eminent working women, and so on.

**Other Initiatives**

Additional initiatives ensure active participation of students in co-curricular activities including sports as it is an audit course in all UG programmes and also at intra-faculty, inter- faculty and inter-university levels.

| File Description | Document |
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| Upload Additional information | [View Document](#) |
| Provide Link for Additional information | [View Document](#) |

**7.1.2 The Institution has facilities and initiatives for**

1. **Alternate sources of energy and energy conservation measures**
2. **Management of the various types of degradable and nondegradable waste**
3. **Water conservation**
4. **Green campus initiatives**
5. **Disabled-friendly, barrier free environment**

**Response:** A. 4 or All of the above

| File Description | Document |
|---|---|
| Policy document on the green campus/plastic free campus. | [View Document](#) |
| Geo-tagged photographs/videos of the facilities. | [View Document](#) |
| Circulars and report of activities for the implementation of the initiatives document | [View Document](#) |
| Bills for the purchase of equipment's for the facilities created under this metric | [View Document](#) |

**7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following**

1. **Green audit / Environment audit**
2. **Energy audit**
3. **Clean and green campus initiatives**
4. **Beyond the campus environmental promotion activities**

**Response:** A. All of the above

| File Description | Document |
|---|---|
| Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date | [View Document](#) |
| Green audit/environmental audit report from recognized bodies | [View Document](#) |
| Provide Links for any other relevant document to support the claim (if any) | [View Document](#) |

**7.1.4 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)**

**Response:**

The Brahma Valley College of Engineering And Research Institute is situated in a rural area of Nashik Region The institute has conducted several programs for providing an inclusive environment to the students. Various initiatives have been taken for inculcating tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic, and other diversities. Cultural activities that are organized within the institutes helps in promoting harmony that acts as tool for better understanding and co-operation.

Every year institute celebrates Independence Day 15th August and Republic Day on 26th January with the great gratification to honour the date on which the country got freedom and the country's constitution came into effect.

Institute is situated in a rural area of Nashik Region. Most of the students come from the Adivasi Wadi, Pada – nearby Adivasi town and from the surrounding villages. Most of the students belong to the socially and economically backward classes. Therefore, socioeconomic diversity is not strongly felt in the institutional environment. The institution receives students following various religions. The majority are the from Hindu Religion. There are many students also from SC, ST, OBC communities. All these students celebrate each other's festivals during all celebration days. In any festival celebrations in the institutions the all-religion students are participate in Garba, Eid, Dasara, Holi etc. The institution has not yet witnessed any case of unrest due to religious disparity.

Many students who come from the rural tribal belt, speak the dialect of their regions. Some non-maharashtrian students speak in Hindi as their mother tongue to communicate each other effective way. But this does not serve as a language barrier as our national language is Hindi.

The values of tolerance and harmony are instilled by many cultural activities undertaken by the institutes.

In the institution on majority count, we celebrate all kinds of days like Engineers Day, Teachers' Day, Women's Day etc

Indian Constitution Day are celebrated every year in our college campus. All teaching, non-teaching staff and students participate for the cause to understand the importance of human rights. The inspiring speeches are conducted all dignitaries.

Institute always motivates students to organize and participate in different programs organized by institute, inter-institute, University and other Government or non-government organizations to make them sensitize towards cultural, regional, linguistic, communal and socio-economic diversities.

The institute has a code of ethics for students, teachers and other employees which has to be followed by each one of them irrespective of their cultural, regional, linguistic, communal socioeconomic and other diversities. For the promotion of unity in diversity, the NSS Cell of the institute organizes many programs. The program aims at strengthening the unity and integrity of India. The objective is to sensitize stakeholders about the importance of communal harmony, national integration, and fraternity. Every year NSS Cell conducts Special Camps in villages. These camps are directed toward various social issues impacting the lives of the people in the community, including social and cultural values among young students. The volunteers mainly undertake awareness-raising activities with regard to the social issues.

| File Description | Document |
|---|---|
| Upload Additional information | [View Document](#) |

## 7.2 Best Practices

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

**Response:**

**Title of Best Practices I – Student Adoption Scheme**

Today's education system is student-centric. The overall progress of the student is the main aim of the BVCOE&RI. To fulfil these needs under social responsibilities, the institution introduces the "**Student Adoption Scheme**" in all branches of engineering from 2nd year of engineering to 4th year of engineering. Under this Scheme, College students funded by as per their economic needs to pursue their education.

**Objectives:**

The Objective of The Scheme –

- Providing Financial Assistance to The Needy and Meritorious Students.
- Providing Economics Support For EWS, OBC, General and NT Category Students.
- To Attain Academic Progress of The Students.
- Take Feedback from These Students and Make the Appropriate Changes in The Structure.

**Context:**

The government offers many scholarship programmes to help financially disadvantaged students. In addition to the current scholarship programmes, the institution launched the **'Student Adoption Scheme'** in 2016. The institution fulfils its mission to provide education for everyone by giving financial help to students from economically disadvantaged backgrounds.

**The Practice:**

The scholarship is given to students based on their needs and merit basis. The student applies for the scholarship, stating why he/she needs money. After determining that the pupils are deserving of a scholarship, a committee recommends the case to the office. Financial help is given to students based on their needs.

**Highlights**

**Institute has provided scholarship of Rs.1,12,41,451/- during last five years**

**Evidence of Success:**

After the implementation of this strategy, the dropout rate owing to a lack of resources has been decreased and the effective measures lead to success rate of the students in throughout curriculum. Students who could not afford to complete their education owing to financial difficulties benefited from this initiative. This scholarship has aided numerous students up to this point.

**Problems Encountered and Resources Required:**

Getting initial funding together was the most difficult obstacle to overcome while establishing the programme. The scholarship programme initially began with little financial means, but over time, more funding was acquired. A significant number of generous individuals came forward to make contributions to the fund. Donations were made by staff members as well, who were quite kind.

**Title of Best Practices II – Provision of Promotional Services for Basic Education to the Rural Area**

As the BVCOE&RI is located in Trimbakeshwar Anjaneri hills which is in remote location from Nashik City is far away from city. The modern education system outreach for the rural area of the student's, the places are like Kalwan, Jawahar, Dhanu etc. where all students are counselled for the basic education to the

higher education as per the need of them. In promotion activity the bond between teacher and pupil is emotionally cum mentally set for the education social society from the campaigner.

**Objectives:**

- Promoting Basic & Modern Education to Rural Area Students.
- Students Counselling for Basic and Higher Studies.
- Learning Process Is So Much Easy.

The idea behind adopting this practice is to promote basic education to higher education to the society. Educating the students increases the likelihood of their better social and economic status.

**Context:**

The college is committed towards promoting rural area education since starting of the BVCOE&RI college with objective of the Basic education is related to the basic needs and interest of the education for the development of a child. The aim of Gandhiji's basic education was to educate the students on crafts which would enable them to solve the problems of their livelihood and at the same time develop qualities of good citizenship. Major reasons for rural areas students drop-out after school/colleges are low family income, early marriage or lack of awareness and many parents are not in favour of co-education in Maharashtra.

**The Practice:**

The College Has Taken Following Initiatives and Made It A Practice

Visiting The Villages to Convince the Parents to Send Their Pupil for Basic/Higher Education:

Teams comprising of teachers are assigned the task of visiting various nearby villages like Kalwan, Jawahar, Dhanu etc and counsel the parents of the pupil to send them to school/college to pursue higher education. Poor households lack the resources to pay for the education of financial assistance under the various school/college scholarship schemes run by state government and engineering college BVCOE&RI student adoption schemes.

Hostel Facility:

Institute helps to increases Awareness Regarding various Government Schemes Available for Tribal Students.

**Evidence of Success:**

The college's efforts have resulted in a significant improvement in the situation. The community as a whole has taken a constructive stance towards the education of the students. A number of villages, including Kalwan, Jawahar, and Dhanu, have seen an increase in the number of students enrolling from their communities. In this specific community, the percentage of high school and college students who did not continue their education after dropping out was rather high. The consistent efforts made by the college have assisted in encouraging the parents to send their children to the school or college of their choice.

**Problems Encountered and Resources Required:**

It was a difficult and uphill battle to convince the parents living in the educationally disadvantaged and isolated communities. The college sent groups of educators to tour local schools and communities in rural areas in order to raise awareness about the importance of child education. Teachers engaged in conversation with community elders and sarpanches, the head of the Gramme Sabha, in an effort to persuade them to send students to school or college. At first, the parents refused to allow their child to attend for a variety of different reasons. It was determined which resources were necessary to combat the issues, and those issues were addressed. In addition, a bus was purchased on a rent-to-own basis, and the capability for providing transport was made available in order to cater to the needs of the parents.

| File Description | Document |
|---|---|
| Best practices as hosted on the Institutional website | [View Document](View Document) |

## 7.3 Institutional Distinctiveness

**7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words**

**Response:**

Since its establishment in 2008, Brahma Valley College Of Engineering And Research Institute as stated as Brahma Valley College Of Engineering & Research Institute. "Incessant attempts and hard work win unattainable goals" was an initiative that sought to offer young people access to high-quality higher education and to equip them with skills that would make them employable. The institution's Vision, Mission, and Objectives clearly point to helping to build up socially productive and optimistic citizens along with elevating people in educational, social, cultural, economic, and physical domains based on the curriculum of the Savitribai Phule Pune University, Pune combining it with the core values attached to Brahma Valley College Of Engineering & Research Institute the focus is on skill development, career-oriented Courses, industry visit, field-based study, and college have brought all of these together.

Students who are struggling academically, particularly female students, and pupils from the SC/NT, OBC, and minority segments, are offered additional support and assistance. The school's objective is to provide education to kids who are isolated from the general population. This is in line with the fact that all of our institutional activities are student-centric, and a particular focus is placed on the student's total growth and development. The institution has its own suitable physical infrastructure for efficient teaching and learning, complete with cutting-edge tools and technology, including online and offline resources.

In the Brahma Valley College Of Engineering & Research Institute campus, along with other sports, cultural, and technical activities, an active National Service Society (NSS) unit plans activities like tree plantation and field visits to expose the students to the pressing issues in our society. Experts' members arrange a session on Yoga. Every first-year faculty member regularly interacts with the students through open discussions on various topics. Several activities are undertaken for the first-year students to expose them to the pressing environmental issues that ail us. They are taken on field visits to related industries and

encouraged to participate in competitions dealing with environmental issues. As a special thrust, societal development is also instilled on a large scale into the students through the active NSS unit which undertakes various services to inculcate social values. During the course of the year, the NSS unit participates in a wide variety of activities, including but not limited to street plays, cleanliness campaigns, tree planting drives, donation drives, waste management drives, gender equality field trips and many other activities. During the course of the camp, the NSS group will put on street plays that are meant to bring attention to social issues.

Along with providing students with opportunities to improve their academic experience, colleges and universities also provide a variety of extracurricular activities with the goal of

developing students' entire personalities and helping them realise their full potential. Students have access to a variety of opportunities at college, such as departmental groups, forums, and associations, to cultivate and enhance their soft skills. Our students have excelled in a variety of contests including art, literature, and cultural activities that have been run by the institution. Some of these students have even received prizes.

In the last years the training & placement cell has arranged campus recruitment programmes of reputed companies and lot of candidates are offer various kinds job irrespective of the candidates placed through off-campus interviews. The most of the company visited for campus drive are RCF, Civil Tech, Shree Balaji Auto PVT LTD, NPIT solution etc.

Additionally, one of the institute's distinctive qualities is that it has organized huge events such as Brahmotsav, in which students from all schools, junior colleges, and diploma colleges participate to have fun and improve themselves in other aspects of their personalities. In addition, every engineering department hosted a seminar or conference on a rotational basis. N.S.S. health check-up camp, blood–donation camp, Mazi Vasundhara-tree Plantation, with the help of positive cooperation from our alumni, parents, and people of the area in order to prepare the capabilities of the students is one of the ways that the institution takes the utmost interest in organizing and implementing Gender, Environment, and Sustainability, Human Values and Professional Ethics. This is done with the assistance of our alumni, parents, and people who live in the surrounding area.

All the student clubs also do their bit by organizing several charity events under their banners like social activity for a social cause, stage plays, charity concerts and many other fundraising cultural events. In the Brahma Valley College Of Engineering & Research Institute, every student, as individuals and together with staff, takes part in this endless odyssey of giving back to the society, and to transform it to make it a better place for both students and staff.

In Overall aspect, the Brahma Valley College Of Engineering & Research Institute has focused on the overall development of student in the campus and off the campus by conducting lot of workshop/seminar/guest lecture to fruitful the academic activity / social awareness / modern industrial knowledge / requirement as per the industry norms.

Finally, we will actualize the imperative of Truth and Reconciliation and meaningfully integrate Indigenous ways of knowing, being, doing, and valuing. We aim to promote deep learning through open educational resources, redefining classrooms by removing barriers and borders to enable unparalleled learning for all.

| File Description | Document |
|---|---|
| Any other relevant information | [View Document](#) |
| Appropriate web in the Institutional website | [View Document](#) |

# 5. CONCLUSION

## Additional Information :

Brahma Valley Educational Campus is located in the outskirts of Anjaneri, (Trimbakeshwar High-Way Nashik ) comprising a sprawling campus of about 35 acres land. Our campus is situated in the valley surrounded by hills & reflects the beauty of nature. This place is also known as the birth place of Lord Hanuman and is close to Trimbakeshwar Temple which is one of the 12 Jyotirlingas of Lord Shiva which adds to the holiness and beauty of this area.

- Cultural Fiesta "Brahmotsav" every year in Jan-Feb.
- Hostel facilities for Boys(600 Capacity) and Girls (400 Capacity) with all necessary amenities.
- Well furnished and Ventilated hostel with Cafeteria.
- Huge Play ground and Gymnasium facilities for students.
- Sir Vishweswarya Digital Auditorium with seating capacity 250 numbers.
- Easily approachable campus.
    - By road just 17 KM from Nashik City on Nashik-Trimbakeshwar High Way
    - By Road 200 KM from Aurangabad. .
    - By rail 33 KM from Nashik Road station and 65 KM from Manmad Junction
    - Nearest Airport about 45 KM away at Ozar Mig and 180 KM away at Mumbai Metro City

## Concluding Remarks :

BVCOE&RI is an educational institution founded in 2008 to promote and propagate education for rural students at affordable fees. It offers engineering and management programs with faculty motivated to promote engineering, technical and quality education for Engineering Students and the Holistic development of future engineers, technocrats, and achievers. Provide education, support, and facilities to improve learning and faculty effectiveness. The institution offers quality education in engineering with hands-on opportunities and industry exposure. It offers 52 add-on/certificate programs, and 62.65% of students are involved in Project Based Learning, Internship, Project Work and Fieldwork. Faculty take corrective measures based on student feedback. The institution strives to achieve academic excellence through teaching, learning, and evaluation. It provides a secure hostel facility, regular unit tests, mock online examinations, prelim tests, mock oral/practical examinations, communication skill development programs, and pedagogical initiatives. Faculty members are sent to attend Faculty Development Programmes, Conferences, and Workshops organized by other premier Institutions/Universities. The institution promotes research culture through FDPs, workshops, seminars, conferences, and community engagement activities. It also encourages staff and students to participate in research and contribute to society by raising awareness and participating in government-organized drives and extension activities. The Institute provides scholarships, extra lectures, extra lectures for SC/ST students, special preference for differently abled students for on-campus hostel accommodation, training and placement cell, training and placement cell, anti-ragging committee and squad, and alumni association to contribute to the institution's growth. The institution promotes the overall development of students and faculty through effective teaching and learning processes and provides leadership, financial and administrative support to realize these policies. IQAC reviews learning outcomes and quality of education, and the management encourages research and consultancy activities. The institution encourages gender equality and provides alternative energy sources and water conservation resources. The Institute has created a welcoming environment for divyangjan students and staff, promoted tolerance and harmony, held courses to educate personnel and students, and held events to

commemorate national and worldwide events. The "Student Adoption Scheme" and "Provision of Promotional Service for Basic Education to the Rural Area" are the two best practices that the university effectively used.

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