



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

**PADMASHRI DR. V. B. KOLTE COLLEGE OF
ENGINEERING, MALKAPUR**

MUKTAINAGAR ROAD, MALKAPUR
443101

www.coemalkapur.ac.in

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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Lok Sewa Shikshan Bahuuddeshiya Mandal, (LSSBM) was established in 1961 and the Promoting body of Padmashri Dr. V. B. Kolte College of Engineering, Malkapur (VBKCOE) is a group of active and enthusiastic members, with a sole intention of promoting education to the needy and spread the activities to bring about an inclusive change in the region.

VBKCOE established in 2010 has the vision to carve a niche in imparting quality education to students and to develop them in the dimensions of both the personal and professional world today. In this scintillating journey, we take pride in announcing that we have grown up in a phenomenal way, holding a total strength of more than 1000 students/ year.

Our Diploma program has been recently accredited by the National Board of Accreditation (NBA) for three courses. With students' support, our college has achieved various other milestones like NAAC, ISO, and funds from Unnat Bharat Abhiyaan, MSBTE school connect. Our college has also been in MoU with reputed industries which have helped students to get higher packages in placements.

Vision

To be an autonomous institution offering multidisciplinary quality education programs aligned with provisions of NEP 2020 and satisfy stakeholders' needs.

Mission

- 1. To achieve excellence in academics, research, and services continuously improving the quality.**
- 2. To ensure the wholesome development of students implementing the provisions of NEP 2020.**
- 3. To develop professional ethics, universal human values, constitutional values, and 21st-century skills in students.**
- 4. To observe provisions of quality education declared by the accreditation agencies.**

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- A conducive working environment both for faculty and staff leading to faculty and staff retention.
- Activities undertaken to promote social welfare and inculcate a sense of social responsibility.
- State-of-the-art infrastructure with wifi campus and Library with a large number of books, journals, magazines, and e-journals of national and international repute with the latest editions.
- A continuous progressive evaluation system for students
- Participative Management.
- A large number of initiatives undertaken for supporting a number of slow learners and students from diverse backgrounds.
- A comprehensive system that ensures a platform to promote faculty students and staff development.
- Strong Industry linkages.
- Use of Innovative teaching.
- Emphasis on holistic development of students.

Institutional Weakness

- Institute is not a degree-awarding body.
- Lack of flexibility in admitting other state students to degree programs.
- Lack of flexibility in introducing innovative and job/entrepreneurial development degree programs.
- Lack of government funding projects.

Institutional Opportunity

- To become an autonomous institution.
- To enhance industry-academia linkage
- To offer multi-disciplinary programs

Institutional Challenge

- Students with diverse backgrounds with diverse needs.

- Enhancing a number of students opting for entrepreneurship.
- Recruiting highly experienced faculty.
- More autonomy in the admission procedure to attract other state students.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The college has contributed to the curriculum development by the Sant Gadge Baba University, Amravati (SGBAU) the affiliating University, by providing inputs based on the feedback analysis from various sources and assessing local, national, and global needs. Some of the senior teachers are members of the Academic Council of the SGBAU. Thrust on the development of knowledge and skills is provided through various programs in the college in addition to value-added courses and value-based education.

The college has a diverse range of course options catering to a diverse range of learners in terms of Core options, elective options, and add-on courses. Add-on courses leading to certificates are also introduced in Computer Science, Electrical, Civil, and Mechanical departments. Thus, academic flexibility is ensured for those seeking admission to the college. Choice-Based Credit System is introduced for the students while multi-disciplinary approach is being followed in higher semester classes. The semester system is followed as per the scheme of the SGBAU.

Curriculum Workshops are conducted to discuss the syllabus and prepare the blow-up of the syllabus and question paper pattern for the benefit of teachers. The question bank has been prepared by most of the departments useful for examination purposes.

Conventional chalk-talk method coupled with ICT teaching pedagogy is followed in the college. Assignments, student seminars, field visits, industry visits, and invited lectures from industry and research institutions are organized for student-centered learning methods. The faculty for some of the career-oriented programs have been drawn from industry or research institutions.

Several co-curricular activities and commemorative day celebrations like International Women's Day, AIDS Day, etc. are being conducted in the college to enrich students with a wide variety of co-curricular developments. Gender sensitization, environmental issues, moral and ethical values, better career options, and community orientation programs are regularly conducted.

Teaching-learning and Evaluation

The college adopts the student-centric learning and experiential learning as its cornerstone in the academic process. The college follows a transparent admission policy: Seat matrix displayed, fee structure displayed, and merit list until the last seat is filled and admissions made by a committee of teachers.

The academic process caters to a diverse range of learners. The syllabus is unitized and the academic planner is uploaded onto the website. The lecture method is the pre-dominant teaching method, the use of ICT is integrated into the teaching-learning process.

The college encourages the staff to undertake research activity and to enhance their academic qualifications by providing flexible timetable options and by deputing the teachers on a FIP basis for higher studies. The college has 09 Ph.D. holders .

Regular assessment of students through assignments, tests, etc. Class teachers monitor the progress of students and maintain constant interaction with the students. Students are counseled for their academic improvements and to solve any family or financial problems.

The result analysis is carried out and remedial measures are adopted. Remedial coaching is in place for academically weaker students. Advanced learners are encouraged to put in efforts to secure ranks at the university examinations and guided to face competitive examinations to pursue higher levels of education.

Students have been bagging ranks and gold medals at the university examinations.

Research, Innovations and Extension

Research is encouraged on both part-time and full-time basis leading to Ph.D. A few of the teachers are recognized as guides by other universities. Teachers are actively engaged in research and are participating as resource persons and delegates. A research committee is put in place and attempts are in progress to get the status of Recognized Research Centre from SGBAU.

The institution has a good infrastructure for research activity with many departments have acquired apparatus suitable for carrying out research also. The college has been conducting periodic Inter- National level conferences for the benefit and promotion of the research atmosphere encouraging faculty to involve in article presentations/publications and establishing collaboration for research activity.

The institution has created a platform to have active interaction between the faculty, students, and eminent researchers through invited lectures as well as during conferences.

Many teachers have published textbooks, research articles, and theses. Consultancy services on an honorary basis are carried out by a few teachers. Student research projects are encouraged.

Some teachers have Patents to their credit. More than 140 papers have been published by the faculty of the college in peer-reviewed journals over the past five years.

NCC and NSS students' wings of the college carry out extension activities. A few of the programs include Blood Donation, Awareness of HIV/AIDS, etc. In the NSS special camps, a regular feature is health check-ups, dental check-ups, and eye care for senior citizens.

Several collaborations are made with industries, training institutions, and research institutions for purposes of research collaboration and training students in the college.

Infrastructure and Learning Resources

The Management has developed adequate infrastructure and learning resources on the campus to achieve its objective of excellent education. The campus is beautified by gardening and landscaping. The campus has nearly 08 classrooms each with an average area of 68.26 sq.m., well-equipped laboratories, a well-stocked library, a spacious playground, gymnasium. Power back up with a generator. Each department is given an exclusive staff room with about 10 staff rooms in existence. Every department is equipped with a Computer having internet connectivity. The college is equipped with LCD projectors to facilitate the Modern teaching methods to be adopted in addition to OHPs and Slide Projectors. All classrooms have been made ICT-ready.

ICT resources have been sufficiently strengthened in the institution with Computer to Student ratio being about 1: 5.

An electrician is appointed to supervise the well-being of electrical fixtures and electrical connections in the college. The college library has reprographic services and other essential services. ICT learning resources are available in the college.

Student Support and Progression

Students are the primary stakeholders of the institution and the institution has been evolving measures like student empowerment, inclusive practices, and skill development which are student-supportive and student-centric. The practice of social inclusion, financial incentives, and welfare measures has been internalized into the institutional processes. The prospectus containing the different student scholarships and student services is given to all those who aspire to join the college.

Academic support for slow learners and advanced learners exists along with guidance to face several competitive examinations. Several co-curricular, extracurricular, and sports activities are being conducted to facilitate the holistic development of the student and emerge as a socially mature individual. Some of the students have cleared state-level competitive examinations and either have progressed to higher levels of learning or employment.

The college magazine and wall magazines in a few departments have encouraged several students to hone their expressions and creativity skills by contributing articles on contemporary developments spanning social, educational, economic, and political arenas.

The college ensures the prompt application schedule and payment of SC/ST/OBC scholarships provided by the State Government and the Government of India.

The alumni of the college have been actively involved in various events of the college either as resource persons, judges, or facilitators for extra-curricular activities.

Governance, Leadership and Management

Lok Sewa Shikshan Bahuddeshiya Mandal (LSSBM) is the parent body of VBKCOE and consists of well-educated members as well as industrialists which ensures the following:

- Budgetary provisions for the different processes in the system
- Management of finance as per the Maharashtra Civil Services Rules, UGC rules, and the rules and regulations set by the Directorate of Technical Education.
- Decentralisation and transparency in all processes of the system
- Internal and external auditing of accounts
- Existence of formal and informal grievance redressal mechanisms for both the students and the staff.
- System intervention in the expenses to be borne by employees for major medical procedures through the raising of funds and other means.
- Good human resource management techniques in place.

The college has put in place the Internal Quality Assurance Cell as a requirement of the Post-Accreditation of NAAC. The IQAC has been ensuring the internalization of quality culture in all the system processes.

Institutional Values and Best Practices

- The college conducts green audits, environment audit and energy audit to create awareness about environmental issues, and climate change and conducts programs to encourage utilization of renewable energy sources.
- Several best practices are in existence in the college which has been benefitting both teachers and students.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	PADMASHRI DR. V. B. KOLTE COLLEGE OF ENGINEERING, MALKAPUR
Address	Muktainagar Road,Malkapur
City	Malkapur
State	Maharashtra
Pin	443101
Website	www.coemalkapur.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	A W Kharche	07267-295037	9028044902	-	coemalkapur@rediffmail.com
IQAC / CIQA coordinator	Yugesh Kharche	-295037	9096167920	-	yugeshkharche7@gmail.com

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	

State	University name	Document
Maharashtra	Sant Gadge Baba Amravati 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	03-07-2022	12	

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	Muktainagar Road,Malkapur	Semi-urban	10.38	10000

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,Mechanical	48	HSC	English	60	60
UG	BE,Civil	48	HSC	English	60	43
UG	BE,Electrical	48	HSC	English	60	66
UG	BE,Computer	48	HSC	English	60	61
PG	ME,Mechanical	24	BE	English	18	1
PG	ME,Electrical	24	BE	English	24	1
PG	ME,Computer	24	BE	English	18	6

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	4				8				42			
Recruited	1	0	0	1	0	0	0	0	6	2	0	8
Yet to Recruit	3				8				34			
Sanctioned by the Management/Society or Other Authorized Bodies	7				9				56			
Recruited	6	1	0	7	8	1	0	9	31	24	0	55
Yet to Recruit	0				0				1			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				11
Recruited	0	0	0	0
Yet to Recruit				11
Sanctioned by the Management/Society or Other Authorized Bodies				12
Recruited	10	2	0	12
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				12
Recruited	0	0	0	0
Yet to Recruit				12
Sanctioned by the Management/Society or Other Authorized Bodies				12
Recruited	9	3	0	12
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	6	1	0	1	1	0	0	0	0	9
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	7	0	0	25	22	0	54
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
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	6	2	0	8
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
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		Total
	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	797	0	0	0	797
	Female	234	0	0	0	234
	Others	0	0	0	0	0
PG	Male	5	0	0	0	5
	Female	3	0	0	0	3
	Others	0	0	0	0	0
Diploma	Male	0	0	0	0	0
	Female	0	0	0	0	0
	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	124	111	86	77
	Female	53	50	31	32
	Others	0	0	0	0
ST	Male	17	14	9	9
	Female	1	0	1	3
	Others	0	0	0	0
OBC	Male	295	267	255	253
	Female	102	117	108	111
	Others	0	0	0	0
General	Male	246	212	203	197
	Female	51	47	34	42
	Others	0	0	0	0
Others	Male	106	82	61	58
	Female	15	13	16	17
	Others	0	0	0	0
Total		1010	913	804	799

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	The Vision of the National Education Policy, to provide high-quality education to develop human resources in our nation as global citizens, is well taken by our Institute. A discussion among the faculty members has been initiated on the key principles of NEP such as diversity for all curriculum and pedagogy with technological innovations in teaching and learning, encouraging logical decision-making and innovation, critical thinking, and creativity. The Institute is affiliated to Sant Gadge Baba Amravati University, Amravati where Academic programs are redesigned to include Multidisciplinary /Interdisciplinary courses as electives and the institute started offering these
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	<p>electives to students. In order to provide holistic academic growth among students, an Interdisciplinary curriculum has been proposed which gives freedom to the student to choose their preferred options from the range of program offered by the institution. All the courses offered by institute are Choice Based Credit System (CBCS). Few of (them also include value based and environment-based subjects like professional Ethics, Environmental studies, principles of Management, project management etc. All programmes are designed in such a way that students get maximum flexibility to choose elective courses offered by other Departments and MOOC through SWAYAM. It can be said that the Institute is proactively working towards implementation of the suggestions given in the NEP Guidelines.</p>
<p>2. Academic bank of credits (ABC):</p>	<p>Our institution preparedness in implementation of Academic Bank of Credits conforms to the guidelines of the affiliated university i.e., SGBAU. SGBAU being state university is an official member of the National Academic Depository which is a government endeavour to offer an online repository for all academic awards under the Digital India Programme. From 2020 onwards, SGBAU is in the process of uploading students' mark sheets and degree certificates through the nad.digitallocker.gov.in platform through its affiliated colleges. The National Academic Bank of Credits (ABC) portal has now been integrated into the NAD portal https://nad.digitallocker.gov.in platform and is currently live from academic year 2021-22 onwards. SGBAU follows a choice-based credit system (CBCS) for all its programmes and is now in the process to pass a resolution related to the ABC in the Academic Council. SGBAU will formally register in the ABC portal as soon as the resolution is being approved by the higher academic bodies. For this purpose, Institute is in the process of creating centralised database of the college students. Through this database, where in the academic credits earned by the student from various courses will be digitally stored so that the credit earned by student previously could be forwarded when the student enters the program again. For monitoring ABC, proper technical support system will be created.</p>
<p>3. Skill development:</p>	<p>The institute has an established entrepreneurship</p>

	<p>development cell which actively participates to strengthen technical, soft skills of the students. The institute has an established training & Placement cell which actively participates to strengthen the current trends required in industry, Campus Recruitment Training. The Institution is already conducting the skill courses as designed by affiliating university from Semester III to VI in various programs. Also, under the employability enhancement program for student in skill courses, the college has already been running courses such as soft skill development etc.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>In order to promote /integrate the local language, art and culture, it is the regular practice at institute that all NSS activities conducted in adopted villages are compulsory executed in local Marathi language. In Youth Festival organized at SGBAU University level our students are actively participating in various cultural events and received prizes in many events at university level. Especially our college magazine is published wherein content in three languages namely English, Marathi, Hindi. As most of our students are from rural areas of Vidarbha region they can share their thoughts in any language. As a part of curriculum as per Sant Gadge Baba Amravati University gazette 2021 Part one -205, direction No. 42/2021 Date 09/08/2021 mandatory provision of conducting Orientation Program of 15 hours duration /MOOC to the students a) in V Semester on Indian Constitution and (b) in VI Semester on Indian Traditional Knowledge is introduced by University and Institute has started implementing it from academic year 2021-22 onwards.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>The institution, being affiliated with SGBAU university follows the guidelines as and when directed where in variety of approaches in teaching Learning process like lectures, seminars, tutorials/workshop/practical and project-based learning field work, technology enabled learning internship and apprenticeship and research work is already suggested and Institute is implementing it wherever possible. All the programmes are offered as outcomes-based education (OBE) which are designed keeping in mind the regional and global requirements. Course outcome of every subject well defined in the curriculum itself by SGBAU. The Institute has implemented outcome-based education with clearly stated Programme Outcomes,</p>

	<p>Programme Specific Outcomes and course outcomes from 2019-20 onwards. All courses are designed with outcomes centred on cognitive abilities namely Remembering, Understanding, Applying, Analysing, Evaluating and Creating. Apart from the domain-specific skills, learning outcomes at all levels ensure social responsiveness and ethics, as well as entrepreneurial skills so that student contribute proactively to economic, environmental and social well-being of the nation. The Course Objectives (COs) are also aligned to the PO-PSO philosophy.</p>
6. Distance education/online education:	<p>The institution is already prepared, especially during COVID-19 pandemic situations and teaching learning process through different online modes likewise app, Google Class rooms, WhatsApp etc. the whole college campus is Wi-Fi enabled with LCD Projectors installed in each classroom and hence no hindrance /obstacle in online education. Post-pandemic, the online learning experience has been adopted by the faculty and students to full advantage of flexible blended mode of teaching learning. The faculty members also prepared themselves by getting trained for using various MOOCs and other online platform for online teaching learning through FDP, STTP and workshops during lockdown period. During Covid -19 pandemic various programs, meetings, seminars for students were also organized by institute via online platform conducting conferences and meetings. The institute being NPTEL Centre, students and faculties are encouraged to undergo MOOCs courses every year. Faculties are encouraged to offer MOOC courses at SGBAU which promotes the blended mode of learning of learning. These efforts can be considered as the new normal, which is envisaged in New Education Policy as well.</p>

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes, Established in the academic year 2022-23
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs	Yes, Student Co-ordinator: Ms. Dhanashri Naphade Staff Co-ordinator: - Prof. K M Dukare

<p>are representative in character?</p>	
<p>3. What innovative programmes and initiatives 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.</p>	<p>1. Voter Registration camp for the eligible students in the campus. 2. Voter awareness camp conducted at various tehsil places in Buldana district. 3. Voter awareness camp conducted for disabled persons & senior citizen at various villages during NSS camp. 4. Voter awareness guest lectures conducted for in-house students.</p>
<p>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.</p>	<p>1. Graduate Constituency voter awareness & registration drive conducted in Malkapur, Buldana District. 2. Teachers Constituency voter awareness & registration drive conducted in Buldhana District.</p>
<p>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.</p>	<p>Voter registration drive conducted at Institute for above 18 yrs of age students</p>

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
1010	913	804	799	869

File Description	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: 101

File Description	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
65	64	62	65	55

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
141.408	53.627	164.288	398.964	112.729

File Description	Document
Upload Supporting Document	View Document

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:

The institute is affiliated with Sant Gadge Baba Amravati University and the curriculum and syllabi prescribed by the university are adhered to. The printed copies of the curriculum and syllabi are distributed among students and uploaded on the website.

Preparation of Academic Calendar: At the beginning of each academic year, the academic calendar is prepared at the college level incorporating curricular, co-curricular, and extracurricular activities in alignment with the University academic calendar.

Time Table Preparation: Class-wise timetables are prepared before the start of the academic session. Copies of Time table along with the detailed workload of teaching faculties are submitted to Dean (Academics). The timetable is displayed on notice boards of every department and also conveyed to the students.

Design and Dissemination of Teaching Plan: Each faculty member prepares a detailed teaching plan which is then disseminated to the concerned students. Every faculty maintains a copy of the Execution Plan to record the status of the execution of the teaching plan during the academic session.

Preparation of Course file: Each faculty member prepares the course file which includes the timetable, lecture plan, course outcomes, mapping of course outcomes with program outcomes & program-specific outcomes, unit-wise notes, and previous question papers. POs and COs are disseminated to students by the course instructor.

Content Delivery: New and innovative teaching techniques, in addition to the traditional lecture method are adopted to deliver the content. Learner-centric techniques such as peer learning, collaborative learning, video lectures of NPTEL, etc., are employed to encourage students' active participation.

Extra-Curricular Activities for Academics Development: College organized international Conferences, STTP, workshops, seminars, Technical competitions, Internships, etc for students' overall development.

Student's Feedback: Online/Offline feedback from students on various aspects of content delivery by faculties is taken twice in a semester. Faculties with below-par grades as feedback received from students are counseled by concerned HODs and issue suggestion letters for their improvement.

Academic Reviews: Periodical review on coverage of syllabus and regularity of students is taken by the HOD/Dean Academic followed by the Principal. Suggestions are invited for the improvement of the teaching-learning process through regular meetings and discussions with students by HODs.

Internal Examinations: Every department conducts two Class Tests in every academic session. Detailed Examination schedule is announced in advance, by Dean (Academics) & respective HODs. The question paper of internal exams is prepared by concerned faculties. To maintain further compliance, answer sheets are checked within a week after the completion of each examination. In the case of labs and projects, the internal viva is conducted by respective departments before/ after the university examinations.

Assignments: In addition to the tests, assignments are also part of Continuous Internal Evaluation. Assignments are provided to students as per the curriculum and are submitted by students in the stipulated time.

Academic Monitoring: Each Head of the Department monitors course coverage and student attendance for every subject on a regular basis. Remedial classes are conducted for weak students in mathematical/conceptual subjects. Academic monitoring is also conducted at the institute level.

File Description	Document
Upload Additional information	View Document
Provide Link for 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: 53

File Description	Document
List of students and the attendance sheet for the above mentioned programs	View 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: 60.52

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
527	596	562	466	509

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:

1 Gender:

- The college has a women's development committee which has organized seminars, workshops, and Group discussions to sensitize gender issues, class representatives are equal with both boys and girls sufficient of the student are female and the faculty is well balanced without gender discrimination female students are represented in NCC.
- Students of both genders holistically participate in various co-curricular activities organized in & outside the Institute.
- Every year the Institute is organizing woman's Day celebration to respect the women's force at all levels.
- Apart from the above, the Institute organizes various awareness programs and activities on cross-cutting issues with the support of external organizations and experts. The NSS activities, Swachh Bharath Abhiyan, blood donation, and health awareness camps play a vital roles in promoting an inclusive environment towards regional and socioeconomic diversities among students making a positive difference and shaping them into wholesome professionals.

2. Environment and Sustainability:

- The University has made it compulsory to study "Environmental studies" in their regular curriculum to create awareness related to various environmental issues the world is facing.
- Various extension programs are being organized by the Institute through the NSS unit to create awareness among the rural community with respect to ecological balance and its importance.
- Students are motivated to take up projects related to environmental issues to overcome the identified problems.

3. Human Values and Professional Ethics

- The Institute regularly organizes birth anniversaries of great personalities, National & State festivals, etc. to boost morality and awareness among the staff & students.
- The college regularly conducts an EAC program to identify individual roles and ethical responsibilities towards society and to understand human rights and their implications.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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

Response: 60.4

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

Response: 610

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: 54

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
196	151	143	105	53

2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
240	240	240	240	240

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](#)

Provide Links for any other relevant document to support the claim (if any)

[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: 72.83

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
123	105	103	73	33

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
120	120	120	120	120

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
Provide Links for any other relevant document to support the claim (if any)	View Document

2.2 Student Teacher Ratio**2.2.1 Student – Full time Teacher Ratio
(Data for the latest completed academic year)****Response:** 15.54**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:**

Padm. Dr. V. B. Kolte College of Engineering provides an effective platform for students to develop the latest skills, knowledge, attitude, and values to shape their behavior in the correct manner. All departments conduct innovative programs which stimulate the creative ability of students and provide them with a platform to nurture their problem-solving skills and ensure participative learning. The institute organizes an annual technical competition, TECH-TANTRA in which students showcase their learning in the form of

innovative projects. Also, students are motivated to participate in inter-college as well as national-level competitions. Faculty members make efforts in making the learning activity more interactive by adopting the below-mentioned student-centric methods.

1. Experiential Learning:

Each department conducts add-on programs to support students in their experiential learning. The institution imparts the following experiential learning practices to enhance the creativity and cognitive levels of the students –

- Internship -Students get hands-on training while working in the company.
- Project development by students
- Industrial Visits to engage them in experiential learning while visiting the organization.

2. Participatory Learning:

In this type of learning, students participate in various activities such as seminars, group discussions, posters, and projects. Students are encouraged to participate in activities where they can use their specialized technical or management skills, such as

- Tech-tanta- This is organized every year by engineering students in which students from different colleges participate and learn from each other.
- Annual cultural program – This is organized every year for the students of the college to give a vent to their creativity.
- Presentation and publishing of papers in conferences and journals - The objective is to give them exposure to learn and imbibe new skills.

3. Problem-solving methods:

Departments encourage students to acquire and develop problem-solving skills. For this, the college organizes expert lectures on various topics, motivates students to join MOOC courses, participates in various inter-college and intra-college technical fests and other competitions

Teachers use ICT-enabled tools for effective teaching and learning processes, including online e-resources

The use of ICT in education adds value to teaching and learning, by enhancing the effectiveness of learning. ICT can lead to improved student learning and better teaching methods. It's a rising trend where education has outgrown the physical constraints of classrooms and acquired mobility. Students access information whenever and wherever they want. It enables students to become better informed in their fields of specialization. The entire campus is having an internet facility to make available resources. All classrooms are equipped with Projector. In addition to the chalk-and-talk method of teaching, the faculty members are using IT-enabled learning tools such as PPT, Video clippings, to expose the students to advanced knowledge and practical learning. Most of the faculty use interactive methods for teaching. The major emphasis is on classroom interaction in terms of seminars, assignments, tests/viva. NPTEL video lectures are available to students for long-term Learning and future referencing. Students are counseled with the help of Zoom / Google Meet applications.

File Description	Document
Upload Additional information	View 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: 86.39				
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
72	72	72	72	72
File Description	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: 10.29

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
8	7	7	5	5

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	View 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:

Transparency initiatives at the institute level: There is a standard process of internal examination in the college. According to the academic calendar, a student must appear in 2-class tests in each semester. The schedule of the internal examination is decided at the beginning of the session, in the form of an academic calendar. According to the academic calendar, a teacher has to take the class test, which may be in the form of a written test/MCQ-based test on online platforms, power-point presentations, oral viva on the subject, or by another method, which the subject teacher decides. The marks of the unit test are shown in the classrooms and each student can ask about its performance. They can observe their test copies.

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

The institute has a college internal test in charge that collects the application of the grievance from students and sends answer sheets of particular for re-evaluation. Which is transparent to students and time-bound for one week. The college follows strictly the guidelines and rules issued by the affiliating university while conducting internals and semester-end examinations.

At the Institute level:

At the Institute level, an examination committee, comprising senior staff as an officer in charge of Examination and other teaching and non-teaching staff as members, is constituted to handle the issues regarding the evaluation process. The class test marks are displayed on the notice board. If any discrepancy like mistakes in the question paper, mark allocation, or correction is noticed by the students, the concerned teacher will resolve the discrepancy, and the necessary corrections will be made. Students are counseled by the faculty mentor, and remedial classes are conducted for students who have failed the examinations. Within a time-bound, the Internal Assessment marks are entered in the University web portal for further process.

File Description	Document
Upload Additional information	View Document
Provide Link for 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:

In strict compliance with the objectives of Outcome Based Education (OBE), the Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) are framed by the department. Widely propagated and publicized through various means such as display and/or communication specified hereunder.

- Website
- Department Notice Boards
- Laboratories
- Student Induction Programs
- Parent meet
- Faculty meetings
- Alumni meetings

While addressing the students, the HODs create awareness of POs, PSOs, and COs. The faculty members, class teachers, mentors, also inform the students and create awareness and emphasize the need to attain the outcomes.

Program-specific outcomes (PSOs) are the specific skill requirements and accomplishments to be fulfilled by the students at the micro-level and by the end of the program. The DAC prepares the PSOs, usually two to four in number. The DAC, including the Head of the Department and subject experts, of the individual departments,

Program Outcomes (POs) are broad statements that describe the professional accomplishments which the program aims at, and these are to be attained by the students by the time they complete the program. POs incorporate many areas of inter-related knowledge, skills, and personality traits that are to be acquired by the students during their graduation.

Course outcomes (COs) are direct statements that describe the essential and enduring disciplinary knowledge, abilities that students should possess, and the depth of learning that is expected upon completion of a course. They are clearly specified and communicated. The Course Outcomes are made available in the university syllabus.

File Description	Document
Upload Additional information	View 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 assessment tools and processes used for measuring the attainment of each of the Program Outcomes and Program Specific Outcomes are mentioned below:

Method of Assessment of POs / PSOs

The program outcomes and Program Specific outcomes are assessed with the help, of course, outcomes of the relevant courses through direct and indirect methods.

Direct methods are provided through direct examinations or observations of student knowledge or skills against measurable course outcomes. The knowledge and skills described by the course outcomes are mapped to specific problems on University examinations, internal exams, and home assignments.

Finally, program outcomes are assessed and HOD concludes the PO attainment level.

At the end of each semester, the university conducts examinations based on the result published by the university the course outcomes are measured.

Two assignments are given in each semester. The assignments are provided to students and they refer to the textbooks and good reference books to find out the answers and understand the expected outcome of the given problem.

Two internal tests are conducted per semester for the following purposes:

To ensure that students have achieved the desired level of competencies at the module level.

To evaluate, whether corresponding COs are achieved or not. According to the performance of the student in answering each question, mapping is carried out with the respective COs for assessing the attainment level of the specific CO of the subject.

An Alumni survey is an important assessment tool to find out the following important factors:
Indirect once in a year Level of the relevance of the curriculum with the expected skills of the industries.
The level of attainment of the goal for the specified program.

Employer surveys are conducted for finding out whether the knowledge, skill, and attitude learned from this institution is adequately satisfying their expectation or not.

The objective the conducting the student exit survey is to identify several factors for future strategy framing once a year. To understand the impact of training they understand the strength and weakness of

various value-added courses and pre-placement training imparted.

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: 86.95

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
226	202	230	207	134

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
239	213	234	240	223

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
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	View Document
Provide Links for any other relevant document to support the claim (if any)	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: 25.31

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
4.87	1.42	16.14	1.82	1.06

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 college has created an ecosystem for innovations and other initiatives for the creation and transfer of knowledge by developing desirable human resources, taking care of the creation and dissemination of knowledge, and establishing state-of-the-art infrastructure. The college has provided adequate training to the faculty members in the form of a Faculty Induction Programmed, Refresher Courses, Faculty Development Programme, and other short-term programs to develop desirable human resources. Faculty members are encouraged to undergo professional development programs and to organize and participate in conferences, seminars, and workshops. The institute has a well-defined and published research promotion policy.

Faculty members are encouraged to do and guide research An ecosystem is created through the utilization of academic material resources in the libraries, spacious workspaces with modern laboratory equipment, computers, high-speed internet, and Wi-Fi by teachers and students. There is a system for the creation and promotion of innovation through the activities of cells and departments in the college. Entrepreneurship is encouraged through Workshops, Certificate courses, and Competitions by various Cells. Offline and online field visits enhance creativity and innovation. Postgraduate students execute projects in reputed research institutions. Trained faculty organize workshops, training, and webinars, Faculty have created an

Institutional e-repository of ICT Material in the form of PPTs, e-resources, videos, etc., to be available for students. Webinars on IPR, Research Methodology, entrepreneurship, etc. ensure the creation and safeguarding of knowledge.

File Description	Document
Upload Additional information	View Document
Provide Link for 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: 44

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
7	5	15	6	11

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: 2.04

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
53	60	59	16	18

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	View Document
Link to re-directing to journal source-cite website in case of digital journals	View Document
Links to the papers published in journals listed in UGC CARE list or	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

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: 1.86

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
51	55	39	14	29

File Description	Document
List of chapter/book along with the links redirecting to the source website	View Document
Institutional data in the prescribed format	View Document
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	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:

The institution promotes institution-neighborhood community network, student engagement, contributing to good citizenship, service orientation, and holistic development of students. National Social Scheme - NSS coordinator and Director of Sports monitor the student's initiative activities, participation, and performance in various social movements and activities which promote citizenship roles among students. The NSS unit of the Institute is a very active unit and the financial requirements are met by SGBAU and the Institute as and when the programs are planned. The impact of extension programs on the students, though cannot be directly quantified, there seems a change in attitude towards the underprivileged, matured outlook towards life, a willingness to share resources and expertise, and an overall personality change for the better. The institution promotes college-neighborhood network community development by conducting regular activities related to the social responsibilities of the institute. NSS Units comprising of 100 students are active in community development activities, like:

- Cleaning of villages
- Free health check-up camps
- Tree plantation
- Awareness program
- Blood donation camps
- COVID Vaccination Camp Masks
- sanitizer distribution program during COVID -19 period.
- Organizing Guest lectures' to address social issues

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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

Response:

The Institute is conscious of its role in campus cum community connections, and well being of its neighborhood as well as building student's attitudes toward service orientation and good citizenship. The Institute always encourages students and faculty to participate in extension activities. The institution promotes college-neighborhood network community development by conducting regular activities related to the social responsibilities of the institute. NSS Units comprising 100 students are active in community VBKCOE development activities like Cleaning of villages, Free health check-up camps, Adult Education, Students Education in schools at villages, Female Feticide awareness programs, , Voter Awareness Rallies, and conducting workshops in various colleges. The events such as Mega Blood Donation Camps, Tree Plantation, Awareness of Traffic Rules and road safety, Water Conservation, Cleaning Programs, Energy conservation, Yoga, Women's Empowerment, Survey on underprivileged women & self-help saving groups, etc. are conducted as part of NSS activities. The workshop was conducted for underprivileged women & self-help saving groups and provided them training on "How to start & run the business through

self-help group” & also an organized exhibition of their products. Following are the awards received by the institution for extension activities and contributions to social/community development:

Name of the activity	Name of the Award/ recognition	Name of the Awarding government/government-recognised bodies
Student development	Education Icon awards	Kitecrafts Production Ludhiyana Punjab
Intellectual Property Awareness Mission	Appreciation	NIPAM
Green Mentors	Membership	Indo -American Green University Network
Contribution to Rural Society	Outstanding Contribution Award	Bhagwan Mahavir Jayanti Charitable Trust Bhandup Mumbai
Industry Meet	Participation	Leva Bhatru Mandal & Institution of Engineers Pune Local Chapter
National Conference	Keynote Speaker	NCRTESM-22 Guru Govind Singh educational society Technical Campus Bokaro, Jharkhand
Covid-19 Activities	Corona Warriors Award 2020	Dnyanpeeth Education Society
NSS Activities	Best NSS Unit	Grampachayt Anurabad
Sanitation Program	Swachha Gav Sundar Gav 2019	Gram Panchayat, Sarpanch, Anurabad
Voter Awareness Program	Voter Awareness	Gram Panchayat, Sarpanch, Dhabhadi
Cleanliness Awareness Program	swachhata Award	Gram Panchayat, Sarpanch, Dhabhadi
Tree Plantation	NSS activity	Gram Panchayat, Sarpanch, Dhabhadi
Awareness Program For Farmer Suicide		
Save girl Program		
Yoga Program		
Education Awareness Program		
Cultural Program		
Vote Awareness Program		
Health Awareness Program		
Cleanliness Awareness Program		
Soak pit Program		

File Description	Document
Upload Additional information	View Document
Provide Link for 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: 60

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
17	16	5	14	8

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	View 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
Provide Links for any other relevant document to support the claim (if any)	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: 63

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	View Document
List of year wise activities and exchange should be provided	View Document
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	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

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 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.

Infrastructure & Physical facilities (Classrooms, Laboratories, etc.):-

No of Classrooms: 08

Seminar Hall: 01

Laboratories:

- Computer Science and Engineering: 06 + 01(Central Lab)
- Civil Engineering: 06
- Mechanical Engineering: 06+01(Workshop)
- Electrical Engineering: 06
- Language Lab: 01
- First-year Lab : 04

Total lab:31

Computers: 280

Sports and Cultural facilities:-

There are 07 Sports Facilities

- Cricket
- Volleyball
- Kho-Kho
- Kabaddi

- Carom
- Chess
- Athletics

Gymnasium :

The Gymkhana of our college, located on the main campus, has space for a well-equipped Gymnasium and space for Yoga. And other indoor games like carom and Chess. The Gym is equipped with dumbbells and plates, Leg Extension & Leg Curl Machine, Latt Pull Down Machine, Low Pulley & High Rows Pulley, Chest Press Machine, and Pack Deck. It is open from Monday to Saturday and the Instructor Mr. K. K. Koli is available from 8.00 to 5.00.

ICT ROOM :

Particulars	Quantity
Classroom	08
Seminar Hall	01

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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

Response: 41.82

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
59.94	12.81	39.54	234.54	17.44

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
Provide Links for any other relevant document to support the claim (if any)	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:

The college library includes a complete track of books, journals, newspapers, CDs, videos, photos, etc. There are a number of Textbooks, and reference books available in the college library. The college library is automated using an integrated library management system. In the library, Biyani Software is used for automation purposes. Software used to manage the catalog of a library. This helps to keep the records of whole transactions of the books available in the library. This software is used for issuing and returning books. It also shows the availability of the books and the number of books present in the library. This software is user-friendly. It manages the complete management of the entire library through the software's easy interface. It removes the manual process of issuing books by an easy and simplified way of issuing books saving time and effort. The librarian can issue, return, and reserve books for a particular student through the software's interface. The software automatically shows the fine levied by automatically counting days from the date of the issue in case of late return of the book. Generate customized reports for library items, library inventory, and library fine collection. The library is integrated with all modern facilities and accessories like Bar Codes, RFID tags etc. Also in 2021-22, the library software is cloud-based.

Features of Library management system in a College -

- Keep a record of different categories like; Books, Journals, Newspapers, Magazines, etc.
- Classify the books subject-wise.
- Easy way to enter new books.
- Keep a record of complete information of a book like; Book name, Author name, Publisher's name, Date/ Year of publication, Cost of the book, Book purchasing date/ Bill no.
- Easy way to make a check-out.
- Easy way to make a check-in.
- The automatic fine calculation for late returns.
- Different criteria for searching a book.
- Different kinds of reports like; total no. of books, no. of issued books, no. of journals, etc.

- Easy way to know how many books are issued to a particular student.
- Easy way to know the status of a book.
- Event calendar for librarians to remember their dates.

The library provides a unique facility for the automatic importing/migration of existing data in the system.

The book bank facility is available in the college library. This facility is provided to the top 8 % of students in college from each department semester wise.

College provides a Digital Library facility to the students and faculty. It provides study material such as e-Journals, e-Books, e-Newspaper, and online videos.

E-resources E-journals

Sr. No.	Name of Subscription	Details of Subscriptions
1.	E-Journals	MAT Journals Private Limited
1.	e-shodhSindhu Membership	Yes - Membership
1.	eBooks / Databases	DELNET
1.	Remote access to e-resources	NPTEL

Number of teachers and students using the library per day over last year

Average no. of students per day: 100

Average no. of staff per day: 15

File Description	Document
Upload Additional information	View Document
Provide Link for 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:

There are different digital technological facilities available in the college. There are Classrooms with LCD facilities: 08 Classrooms with ICT: 1 Seminar hall with ICT facilities. A well-equipped computer center is also functioning in the college. The students of the college are access to the computer labs. The old college building and the library building are facilitated with Wi-Fi connectivity. There is a plan to extend the Wi-Fi connectivity facility. All the departments of the college are provided with computers and other related accessories. All teaching staff members use the ICT in the classrooms and laboratories, whenever needed. Most of the official work is being done with the help of ICT. The college regularly maintains the IT

facilities. Following are some basic facilities for updating:

- Computer maintenance on a regular basis.
- The college itself formats the computer without no fees and with the help of a computer operator.
- All computers are connected to LAN.
- Wi-Fi connectivity in the Principal chamber, Office-room, IQAC room, and various departments. CCTV is installed in every classroom.

The bandwidth of Internet connection in the Institution

Available internet bandwidth: 100 MBPS (BSNL)

100 MBPS (AIRTEL)

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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

Response: 2.97

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

Response: 340

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
Provide Links for any other relevant document to support the claim (if any)	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: 9.76**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
16.03	7.55	26.53	25.94	8.94

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
Provide Links for any other relevant document to support the claim (if any)	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: 84.62

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
979	744	727	581	688

File Description	Document
Year-wise list of beneficiary students in each scheme duly signed by the competent authority.	View Document
Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).	View Document
Upload policy document of the HEI for award of scholarship and freeships.	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

5.1.2 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
Report with photographs on ICT/computing skills enhancement programs	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: 21.25

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
222	244	227	110	131

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
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	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: 75.54

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
186	142	205	182	153

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
239	213	234	240	223

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
Provide Links for any other relevant document to support the claim (if any)	View Document

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

Response: 3.2

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	02	04	01

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	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

5.3 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: 10

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
00	00	08	02	00

File Description	Document
Upload supporting document	View Document
list and links to e-copies of award letters and certificates	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

5.3.2 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: 11.8

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
12	00	16	16	15

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:**

Our institute has the Alumni Association which partially contributes to student progression and helps them to get a job. Institute takes Alumni Feedback to improve the functioning and services of the organization. Our alumni association works as partners to bridge the gap between the industry and academics. Alumni also support placement and continue bringing a good name to the organization. Through the alumni association, there are guest lectures held in the institute which help students boost their knowledge and gain something new experience about recent trends.

File Description	Document
Upload Additional information	View Document
Provide Link for 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:

The college follows its vision and mission to serve better for students. The governance of the college matches the vision and the mission of the college. Our vision and mission are as follows:

VISION

To be an autonomous institution offering multidisciplinary quality education programs aligned with provisions of NEP 2020 and satisfy stakeholders' needs.

MISSION

1. To achieve excellence in academics, research, and services continuously improving the quality.
2. To ensure the wholesome development of students implementing the provisions of NEP 2020.
3. To develop professional ethics, universal human values, constitutional values, and 21st-century skills in students.
4. To observe provisions of quality education declared by the accreditation agencies.

Sr. No.	Particulars	Web Link
1	Vision	https://coemalkapur.ac.in/engg/index.php/vision/
2	Mission	https://coemalkapur.ac.in/engg/index.php/mission/
3	Institute Quality Policy	https://coemalkapur.ac.in/engg/wp-content/uploads/2019/06/Rule-Regulation-Handbook-of-VBKCOE-1.pdf
4	Governing Body members	https://coemalkapur.ac.in/engg/wp-content/uploads/2019/06/Rule-Regulation-Handbook-of-VBKCOE-1.pdf
5	Governing Body Minutes of Meetings	https://coemalkapur.ac.in/engg/index.php/iqac-minutes-of-meetings/

The governance of the institution is reflective:

The Mission of our college is to maintain a Quality environment for academic excellence and the development of entrepreneurship, under this mission, there is also the institution's Vision: To provide quality education to bring about social change in the region and to become the technical center of excellence. The college has started four UG and three PG programs. From all UG and PG programs, our vision and mission are reflected i.e. **'To Create Complete Personalities through Value-Based and Career Oriented Education'**. Here, this program is totally career-oriented. In these programs, the students are taught different skills about computers, electrical appliances, and CAD/CAM. The emphasis is given to

practical works than theoretical works. Practicals are taken excessively to make them perfect in their skills. For that, the college always organized industrial visits to various places. Students observe the work and learn how to handle the instrument. They are also given training in the same industry. For the development of students' skills, seminars and workshops are also organized by the college. The implications of these activities can be seen in the things and designs which are prepared by the students. Students become independent due to this course. They do not have to wait to get a job in any industry. They become able to start their own business. In this way, all programs are run by the college, which creates complete personalities. In they are also taught language, communication skills, and how to handle telephone interviews, etc. Because of this activity, they are able to perform nicely in their academic career as well as in their future.

File Description	Document
Upload Additional information	View Document
Provide Link for 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:

- Institute's curriculum is governed by Sant Gadge Baba Amravati University. The faculties participate and provide feedback for changes to be suggested in the curriculum wherever required. This involves feedback from students.
- In consultation with the Industry, faculty does a gap analysis in the current syllabus and tries to overcome the same by suggesting changes in curriculum or covering the same through content beyond the syllabus.
- The institute identifies the revisions required in the curriculum obtain through feedback mechanisms taken from various stakeholders of the institute.

Teaching and Learning

E-learning resources like NPTEL and Virtual laboratories are used by the faculty for effective teaching.

- Feedback on the evaluation of teachers is leveraged for improvement of the quality of the teaching-learning process
- Parents meet conducted
- The institute has a well-defined teaching-learning process.
- Faculty are encouraged to have ICT based teaching-learning process.

Research and Development

- Students are participating in University and inter-collegiate research-related competitions. In the academic year of 2021-22, students participated in different research-related activities.
- Faculty members are encouraged to initiate research, present and publish research papers. Faculty members are encouraged to participate in conferences etc.
- Duty leaves are granted for attending/ participating in National/ International Conferences.
- The cost of Registration for participating in conferences/seminars to present research papers is borne by the college.
- Under the Entrepreneurship Development Cell, the programs are conducted.

Industry Interaction / Collaboration

- College is taking the initiative for the Memoranda of Understanding (MoU) with major and minor companies department-wise.
- Companies have visited the college for the placement of students.
- Under the training and placement to build confidence and ability to face the interviews there are different personality development programs are arranged.
- Different Industry Based expert lectures are arranged under the training and placement department.

ADMINISTRATIVE SETUP:

With the hands-on experience of the management, the Institutional Management is designed in a scientific way with transparency to get the optimum results out of it. A hierarchical set up is established from top management to the level clearly demarcating the Duties, Responsibilities, Accountability, and Authorities at every stage. Institute has a Governing body to monitor and achieve the vision and mission of the institution. It has an effective organizational structure that monitors and improves the institution.

Service Rules, Policies, and Procedures:

The institution has its own service rules, policies, and procedures for the effective functioning of the institution. All are available on the institute website.

Recruitment of Faculty/Supporting Staff.

1. Advertisements are published in the state and national level newspapers.
2. Interviews are conducted by a panel consisting of senior faculty, the Head of the Department, the External subject expert, Principal.
3. Preference is given to relevant qualifications, teaching, research, and industrial experience.
4. A demonstration is taken from each person to understand the teaching capabilities and competency.
5. The guidelines of the university and AICTE are followed during the recruitment of the faculty.
6. Supporting staff are recruited by the panel consisting of HODs, and the Principal.
7. Promotional Policies Based on the staff performance appraisal, they are promoted to higher levels. Qualification, Eligibility, and Salary Structure as per AICTE norms

File Description	Document
Upload Additional information	View Document
Institutional perspective Plan and deployment documents on the website	View Document
Provide Link for Additional information	View Document

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
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	View Document
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

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:

FACULTY PERFORMANCE APPRISAL AND DEVELOPMENT SYSTEM (FPADS)

Process:

- Faculty shall submit Performance-based Appraisal System (FPADS) to the concerned head of department (HoD) at the end of the academic year.
- HoD shall collect and submit the FPADS form of all faculties along with student feedback reports and confidential reports to the principal.

- The principal shall form a screening committee at the institute level to evaluate the self-evaluation report,
- Overall appraisal of the faculty shall be done on the following basis:

- 1.50% for assessment of self-appraisal.
- 2.30% for the student's feedback.
- 3.20% for assessment by HoD (Based on a confidential report by HoD)

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

Teaching

- Refund the registration fees for Workshops/Seminars/Paper Presentations.
- Tea is provided during recess time.
- Medical Leave Provision is given to the faculty and staff members based on the request.
- Maternity leaves for female faculty and staff.

Nonteaching

- Medical Leave Provision is given to the faculty and staff members based on the request.
- Maternity leaves for female faculty and staff.

Students

- Institute has a provision to give consolation prizes to the toppers.
- Basic medical facilities are provided.

Professional / Career development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

Year	Title of the professional development program organized for teaching staff	Title of the administrative training programme organized for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2022	Python for Data Science	-	27th to 31st May 2022	356	-
2022	Technology Advancement Civil Engineering	-	27th to 31st May 2022	200	-
2022	Recent Trends in Electrical Engineering	-	31th May 2022 to 4th June 2022	170	-
2022	Industry 4.0 and smart manufacturing	-	31th May 2022 to 4th June 2022	256	-

File Description	Document
Upload Additional information	View Document
Provide Link for 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: 34.41

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
34	34	21	15	3

File Description	Document
Policy document on providing financial support to teachers	View Document
Institutional data in the prescribed format	View Document
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	View Document
Audited statement of account highlighting the financial support to teachers to attend conferences / workshops and towards membership fee for professional bodies	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: 62.74

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
52	48	53	42	34

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
12	15	10	12	5

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	View Document
Institutional data in the prescribed format	View Document
Copy of the certificates of the program attended by teachers.	View Document
Annual reports highlighting the programmes undertaken by the teachers	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:

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

Institutional strategies for mobilization of funds and the optimal utilization of resources Institute maintains & follows a well-planned process for the mobilization of funds and resources. The process involves various committees of the institute as well as the Department Heads and Accounts office. Institute has designed some specific rules for fund usage and resource utilization.

- Mobilization of Funds, the student Tuition fee is the major source of income for the institute.

- The management provides need-based loans to individual colleges.
- Various government and non-government agencies sponsor events like seminars and workshops.
- Alumni contribute to the institute by raising funds.
- Sponsorships are sought from individuals and corporate for cultural events and fests.

Utilization of Funds

- The monitor has been constituted to monitor the optimum utilization of funds for various recurring and non-recurring expenses.
- HoD seeks quotations from vendors for the purchase of equipment, computers, books, etc.
- The quotations are scrutinized by the administration Dean before a final decision is made based on parameters like pricing, quality, terms of service, etc.
- The Principal, HOD, and admin. Dean along with the accounts department ensures that the expenditure lies within the allotted budget. The intervention of the management is sought in case the expenditure exceeds the budget.

Resource Mobilization Policy and Procedure

- Before the financial year begins, the Principal and Heads of Departments prepare the college budget.
- The institutional budget includes recurring expenses such as salary, electricity, and internet charges, stationary & other maintenance costs.
- It includes planned expenses such as lab equipment purchases, furniture, and other development Expenses.
- The budget is scrutinized and approved by the top management and Governing Council.
- The accounts department and the Purchase department monitor whether expenses are exceeding budget provisions.
- Statutory auditors are also appointed who certify the financial statements in every financial year.
- The grants received by the college are also audited by certified auditors.

Optimal utilization of resources

- The college aims at promoting research, development, consultancy, and other activities, involving the faculty at various levels.
- Travel grants can be sanctioned to faculty to present research papers at or to attend National or International Conferences in India or abroad, depending on the availability of funds.
- Effective utilization of infrastructure is ensured through the appointment of adequate and well-qualified lab technicians & system administrators.
- The optimal utilization is ensured through encouraging innovative teaching-learning practices.
- The available physical infrastructure is optimally utilized beyond regular college hours, to conduct remedial classes, co-curricular activities/extra-curricular activities, and parent Meet in a year.
- The college infrastructure is utilized as an examination for different types of online/offline examinations.

File Description	Document
Upload Additional information	View 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:

IQAC has contributed significantly to institutionalizing quality assurance strategies and processes

The IQAC has been performing the following tasks on a regular basis:

1. Improvement in quality of teaching and research by regular inputs to all concerned based on feedback from students.
2. Providing inputs for best practices in administration for efficient resource utilization and better services to students and staff.
3. Providing inputs for Academic and Administrative Audit and analysis of results for improvement in areas found weak.

Students and staff give their feedback and suggestions on teaching and administrative performance through the Suggestion Box located on campus.

The IQAC has immensely contributed to the implementation of quality assurance strategies and processes at all levels.

The Institute IQAC regularly meets every three months.

The Institute IQAC prepares, evaluates, and recommends the following for approval by the relevant Institute and Govt. statutory authorities:

- (a) Annual Quality Assurance Report (AQAR)
- (b) Self-Study Reports of various accreditation bodies (ISO 9001, NAAC, NIRF, NBA, AISHE)
- (c) Performance Based Appraisal System (PBAS) implemented.

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

1. The IQAC continuously reviews and takes steps to improve the quality of the teaching-learning process.
2. The Academic Calendar is prepared in advance, displayed and circulated in the Institute, and strictly followed.
3. Admission to various programs, summer, winter, and mid-term vacations, examination schedules, and declaration of results are notified in the Academic Calendar.
4. All students are benefitted from the Teacher guardian scheme (TGS).
5. Students are apprised of the Time-Table, Programme structure, and syllabi of the courses before the semester commences.
6. Classes are monitored by the Deans of faculties, HODs.

File Description	Document
Upload Additional information	View 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
Provide Links for any other relevant document to support the claim (if any)	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:

The institute regularly puts efforts to maintain the mental and physical well-being of the students, employees, and stakeholders. The institute maintains a healthy working environment for staff and students so that there is no gender discrimination. Since its foundation, the institute follows this principle and strives hard to maintain gender equality. This is revealed from the facts that many of our committees are headed by lady faculties and we have more than 30% ladies staff in our institute. Also, the annual gathering 'RELISH' and a national-level technical event 'TEACH-TANTRA are headed by girl students. Gender sensitivity which is an inherent value in the cultural ethos of the institute is reflected in the following measures as well:

A) Safety & Security

- Our Institute is fully protected with CCTV cameras.
- Watchmen and guards are appointed for security.
- There is a women's development cell/Vishakha committee /ICC formed in college for any issue or complaints.
- Medical facilities are available in college.

B) Counselling

- Regular expert lectures on hygiene are conducted by the college for girls.
- Mentoring cell & Grievance cell is formed in college for students to remove their unhealthy thoughts of students.

C) Common Room

- Girls Common Room has all facilities including sanitary napkins, First aid boxes, etc.
- Beds are available in case of Fatigue for girl students.
- Girls' Common rooms are regularly inspected by respective committees like the women's development cell/Vishakha committee & Clean daily by the peon.
- Boys' common rooms are also inspected by respected In-charges.
- The college organized various programs on gender equity in the academic year & gives the same opportunity to girls and boys
- Complaint boxes are available in the girls' common room to clear the problem. The anti-ragging committee is also in college for bringing safety & security to college.

The NSS, NCC, Sports, and other co-curricular and extracurricular units of the institute provide equal chances to all girl students to participate in all the activities conducted under these units.

The institute committedly celebrates many national and international days, events, and festivals on our campus to create awareness of patriotism, health & fitness, and social responsibilities among all the students and staff. Independence Day and Republic Day are celebrated every year to make proud and motivate all the students and staff for the development of our nation. Also, our institute commemorates a number of other national and international days so that students can learn about significant figures in our country's political, social, cultural, and scientific history. Festivals play a big role in Indian culture, serving as a platform for the expression of our beliefs and feelings. The institute believes in the equality of all cultures and traditions as is evident from the fact that students belonging to different castes, religions, and regions are studying without any discrimination. Shivaji Maharaj Jayanti, Ganesh festival, Environment Day, International Yoga Day, Engineer's Day, Gandhi Jayanti, National Unity Day, Constitution Day, Rastrmata Jijau Jayanti & Swami Vivekanand, Jayanti Gadge Baba Jayanti, etc.

File Description	Document
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
Provide Links for any other relevant document to support the claim (if any)	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
Policy document on environment and energy usage Certificate from the auditing agency	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:

We believe in unity in diversity that's why our students respect the different religions, Languages & cultures. We feel the college is our second home & all faculties like family members. We greet & wish each other at different festivals & invite them to have a feast and get introduced to one cultural to have amicable relations & maintain religious, social, & communal harmony. University also offers several programs like NSS (National Service Scheme). Our college also develops some committees for upbringing the social environment in students. Similarly, our students also celebrate the different festivals with joy & enthusiasm which helps them to implant social & religious harmony.

Our College organized different activities related to cultural, regional, linguistic, and communal socio-economic for students to represent our Indian culture, on the eve of our college's annual gathering we organize a traditional day and competitions like a fashion show. In this competition, students wore different attire representing the different states, religions, & cultures. Through this activity, students get acquainted with the different cultures of our nation and help to develop tolerance & harmony as well as peace towards cultural, regional linguistics, communal socioeconomic, and other diversities. This also creates an inclusive environment in the college

Padm. Dr. VBKCOE undertakes different initiatives by organizing various activities to sensitize students and employees to the constitutional obligation: Values, Rights, Duties, and responsibilities of the citizens. On 26th Nov 2021, Constitution Day was celebrated at Padm. Dr.VBKCOE, Our Principal narrated the fundamental rights, Duties, Values, and responsibilities of citizens as stated in the Constitution of India. He appealed to all to remember the struggle for freedom and respect the National Flag and National Anthem. Our constitution provides for human dignity, equality, Social justice, Human rights, and freedom, the Rule of law, equity, respect, and superiority of the constitution in national life. As a part of strengthening the

democratic values, Prof.S M Borle, NSS co-ordinator guided for voter awareness Program to literate the students and the general public about Democracy. A voter's pledge program was organized on 24th JAN 2022 for students and faculties at Padm. Dr. VBKCOE. Every year Republic Day is celebrated on 26th January by organizing activities highlighting the importance of the Indian Constitution. Independence Day is also celebrated every year on 15th August to highlight the struggle for freedom and the importance of the Indian constitution.

File Description	Document
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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:

Best Practice-01

1. Title of the Practice

Placement readiness of the students through extensive training and development process

2. Objectives of the Practice

- To enhance the employability of the students & increase technical and soft skill sets.
- To ensure the holistic development of the students.
- To achieve 100% placement of students.
- To ensure the placements of the students at higher salary packages.

3. The Context

Through years of experience, it is realized that sometimes even scholastically decent students are not able to fetch good jobs in campus placements, due to beyond curricular requisites of the industry. This disparity between curriculum and requisite skill set for employability has been identified through interaction and feedback received from numerous industry people during placement activities. In the current scenario, It has become imperative to bridge this gap and guide students to develop the necessary skill set (soft skills as well as technical skills) for a better likelihood of placement.

4. The Practice

Training & Placement Cell is established at VBKCOE to develop and work for a strong and long-lasting Industry-Academia relationship, which exists for providing Internship and placement opportunities to students. A few of the faculty members from academic departments are appointed as Departmental Coordinators (DCs) to coordinate between academic departments/students and the T&P cell.

For the holistic development of the students, various programs are incorporated to enhance the Employability of students. The aim of VBKCOE is to develop industry-ready students through training on desired skills essential for job profiles. The T&P cell works upon the following goals:

- A. Aptitude and Reasoning module
- B. Personal Interview Module/Mock Interview Sessions
- C. Group Discussion
- D. Various soft Skills and Resume Building

Different departments conduct various training in the core domain as well as the software domain. Different core department training is conducted through various innovation centers set up in collaboration with MNCs. Various company-specific pieces of training are also organized for pre-final and final-year students to improve the chances of the students being placed in a specific company.

The process of Placement readiness is mentioned below:

- Students with diversified career aspirations and prospects for employment are identified during the curriculum.
- Each student is assigned a faculty mentor, who discusses the career options with his mentees. Based upon the advice of the mentor, Students join various pieces of training offered by the Institute/ Department.
- Various pieces of training on specific technologies are provided by a dedicated team under an initiative of Building Skills and employability. The objective of which is to train students on technologies beyond the curriculum. These trainings are curated as per the latest trends in the industry. Departments at their level also organize various trainings to give additional skills and knowledge to the students in addition to the university curriculum, to increase the scope of curricular learning.
- Since students belong to diversified backgrounds, not all students are good at communication/ presentation skills. The soft skills team works with the students to enhance their soft skills.

5. Evidence of Success

- In Session 2020-21, a total of 08 companies visited VBKCOE for placement purposes.
- In 2020-21, Many students were having multiple job offers at the end of the session.
- VBKCOE students have gained the confidence of several top-notch MNCs, which are now regular visitors in our college over the years.

6. Problems Encountered and Resources Required

- Diversified job expectations of students.

- The attitude of Students as well as their parents/ guardians towards employment outside the region and non-conventional work culture had to be changed.
- A separate budget had to be allotted specifically to cater to the expenses of training and placement processes.

Best Practice-02

1. Title of the practice

Regular Comprehensive Internal Academic Audit

2. Goal

The most beneficial program of our college is the Comprehensive Internal Academic Audit system thereby enabling a credible assessment system. We endeavor to promote value-based education by imagining the problems of modern times. The aim of our academic audit is to assess, evaluate, appraise, rectify, and revitalize academic performance.

3. The context

Higher education must be capable of molding students to become responsible and responsive citizens. The utility of evaluation lies in meeting the global demands and financial conditions in quality performance.

The top management, administration, IQAC members, and HoDs of various departments strongly realized that it is exceedingly inevitable to have a tangible method of evaluation of performance to maintain quality. Hence the concept of academic audit was incorporated into our traditional appraisal system. The academic audit has a kind of semblance to a financial audit. Academic auditors evaluate the academic performance of the various units of academia.

4. The practice

The internal academic audit methodology includes a regular comprehensive assessment and evaluation system evolved by the IQAC. In actual practice, it involves the following process.

- Maintenance of the daily diary by teachers.
- Monitoring the curricular activities.
- Collection and analysis of the data i.e. Examination results.
- Fixation of accountability.
- Publication of the data through media and at the college level.
- Departmental level by the HODs
- College level by the Principal

Academic Audit has proved to be a healthy practice and a great motivational factor well appreciated by the students and the people at large. The actual performance of the students is adjudged through university examinations.

The result of each examination is analyzed, assessed, and interpreted and the best performers are identified and awarded at appropriate times. The best performers' photographs and news are published in the newspapers. Teacher-wise results are also evaluated and the professors with the best results are appreciated. The negative results and unsatisfactory performance are subjected to accountability tests. Professors with unsatisfactory output are asked to improve their performance. There is an intrinsic scope for improvement at every stage. This has been substantially proved by our system of academic audit.

5. Evidence of success

1. The spectacular academic performance of the students in the university examination.
2. The percentage of the students passing the examination has improved. Students rank in the merit list of the university.
3. The number of students seeking admission to college has shown a remarkable increase.
4. Professors also adopt more effective and innovative techniques to fetch better results.
5. The companies/ job providers visit the college for campus selection.
6. Students have shown a better inclination for hard work and laudable performance.

File Description	Document
Best practices as hosted on the Institutional website	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:

An Atmosphere that facilitates personal commitment to the educational success of students in an environment that values multiplicity and society. Padm. Dr. VBKCOE is very keen on facilitating personal commitment to the educational success of students and thus the Academic committee consisting of the Principal and Academic Dean prepares the academic calendar well in advance before the commencement of the session/semester. The faculty members at the commencement of the semester prepare the lesson plan and make it available to the students. So many efforts are being made over the past few years to change the Teaching – Learning environment into activity-based learning. The following are the methods adopted to transform the academic environment:-

- **Teaching Methodology:-** Changing the teaching methodology by encouraging the faculty to use PowerPoint presentations wherever required. Extensive use of online – content and other Video lectures to support Classroom teaching.
- Students are encouraged to present poster and oral paper presentations.
- **Counseling system:-** Faculty member is allotted 15-20 students to whom one acts as a counselor. The counselor identifies the academic and personal problems of his/her ward. The wards are encouraged to participate both in curricular and extracurricular activities.

Teaching Activity Related to Industry Work:-

Each department arranges guest lecturers periodically addressed by eminent persons from Industry, Academic, and Research Institutions. Eminent experts of nationally reputed people are invited from academics/organizations/industries for seminars, workshops, conferences, etc. In addition to the classroom interactions, the following are the other methods of learning experiences provided to the students:

1. Project work
2. Short term Industrial visit
3. Internships.
4. Oral presentation
5. Seminars/ Symposiums/ Workshops
6. Paper presentations/ Group discussions
7. Providing access to e-journals and e-books by use of ICT in delivering and learning process

- Emphasis is paid to obtaining feedback from parents, students, faculty members, and alumni through informal contact to obtain information about qualitative changes which are required.

Feedback System:-

1. Students give feedback about the faculty at the end of each session or semester.
2. Feedback is taken from the parents of the wards.
3. Feedback is also taken from alumni

The students play a major role in the events like Annual Day, Sports Day, etc., which are being organized by the college and inculcate the qualities of co-operation, co-ordination, and teamwork.

Personality development programs and seminars are being conducted from the first year to improve the communication skills & soft skills of the students.

Social Responsibility Activities like Go Green Activity through the plantation, Blood Donation, Visiting Hospitals & Interacting with patients and distribution of nutritious food, plantation and visiting nearby villages and helping them according to their requirements.

Achievement:-

1. Improved students' understanding of domain knowledge.
2. Improved results and pass percentage.

- 3.Reduced backlogs and detention.
- 4.Improved placements and opting for higher studies.

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5. CONCLUSION

Additional Information :

VBKCOE provides higher education to students in the regions of Vidharbha and Khandesh. The college has witnessed a meteoric rise in the number of students seeking admission in the different courses offered by it. The dedication, commitment and loyalty of the staff, along with the enthusiasm and achievements of the students over the years have contributed largely to bring our college to its present position. The main focus of college activities remains the empowerment of students and inculcation of self-worth and responsibility. This is the guiding principle that drives its academic and extra-curricular activities.

- VBKCOE is recognized as the Nodal Center for Virtual Labs, Spoken Tutorial, and Remote Center by IIT Bombay
- Strong liaison with industry through the membership of professional bodies like CII, MCCIA, ISTE
- Industry–Academia interface augmented through seminars and Conferences (around 100 in the last five years), Special Talks, and Industrial Visits.
- The first batch of 55 NCC cadets was initiated.
- Annual Student Satisfaction Survey and feedback is taken from all stakeholders regularly.

Concluding Remarks :

A brief summary of all the criteria(s) of the Self Study Report along with SWOC analysis and all the other necessary details for NAAC Accreditation is attached.

The NAAC accreditation has helped the institute to achieve several milestones till date and its reaccreditation will further motivate and guide it to scale to new heights and improve continuously in all dimensions.