

SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

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

**MUKTAINAGAR ROAD, MALKAPUR
443101**

www.coemalkapur.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

October 2017

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Lok Sewa Shikshan Bahuuddeshiya Mandal, Malkapur (LSSBM) is established in 1961. The Promoting body is a group of active and enthusiastic members, with a sole intentions of imparting education to the needy and to spread the activities for the betterment of the region. Padmashri Dr. V. B. Kolte College of Engineering & Polytechnic, Malkapur runs following courses (Polytechnic, B.E., M.E.) established in 2010. The vision of our group is to carve a niche in imparting quality education to the students and to develop them in the dimensions of both personal and professional world today. In this scintillating journey, it takes pride in announcing that we have grown up in a phenomenal way, holding a total strength of more than 2000 students. At LSSBM, Padmashri Dr. V. B. Kolte College Of Engineering, Malkapur we commit ourselves to offer immaculate study programs so as to build a very dynamic student community.

Vision

To be an Organization providing quality Education to the masses to bring about a social change in the region by establishing and nurturing the technical, management and allied institutions to become center of excellence.

Mission

To nurture and maintain quality environment for academic excellence, research and development of entrepreneurship, through dedicated staff and transparent management for bringing about a social change, through affordable education.

Ø To impart holistic training to all students so that they develop right kind of attitude, knowledge & skills which will help them to serve the nation in a better way.

Ø To imbibe in the students, basic human values in order to help them, develop individually.

Ø To Provide education at reasonable expenditure, especially for middle class population.

Ø To provide up-to-date and trained professionals to industry who will serve as an entrepreneur and will lead their companies successfully.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Progressive Management with a practical approach
- Adequately well-Equipped Laboratories as per University Syllabus
- A spacious campus sprawling over 10.38 acres of land.
- Participative management and administration of the institute activities.
- Social activities conducted by NSS in nearby Villages every year.
- Regular industrial visits, internship and in-plant training
- Book bank facility for students for all the subjects.
- Use of advanced teaching learning aids
- Initiatives undertaken for supporting slow learners /diverse backgrounds.
- Institute level financial assistance to the needy/meritorious students.
- Experienced and Qualified Faculty with high faculty retention ratio.
- Eco-Friendly and amicable working atmosphere
- Well Stacked library with good number of national and e-journals
- Internal Quality Assurance Cell (IQAC) is in place
- Adjunct faculty support from Academia, Industry and Service sector

- Reward System for High performing Students and Faculty Members
- Student participation in various co-curricular and extra-curricular activities
- Special coaching classes / special courses and industry relevant skill development courses conducted for enhancing the employability.
- Financial support to attend Symposiums /Conferences/ Workshops etc.

Institutional Weakness

- Majority of the students are from rural background needing more emphasis to groom on professional and communication skill techniques.
- Lack of core industrial sector.
- Lack of strong alumni base.
- Lack of government funding as compare to Aided Institute
- Limited academic freedom, being an affiliated institute.
- Lack of entrepreneurial attitude

Institutional Opportunity

- Enhancing the Industry Institute Interaction by collaboration with local organizations- both public and private sector.
- Collaborative projects with industries and other institutions for better exposure to the state-of art technologies.
- Networking with other institution for sharing of advanced technologies
- Focusing on government funded entrepreneurship, Skill Development program, Career guidance program.
- Academic freedom through autonomy

Institutional Challenge

- Rapid changes in technology and the industrial requirements.
- Enhancing the employability of the students.
- Higher benchmarks set by industries and market.
- Industrial recession and shrinking placement opportunities.
- Promoting the entrepreneurship.
- Brain drain

1.3 CRITERIA WISE SUMMARY

Research, Innovations and Extension

1. An independent IED Cell funded by DST is in place. Financial provisions are made in the institution's budget for supporting students' research projects.
2. A significant number of research articles are published in reputed/ refereed journals as evidenced by metrics such as Citation Index, Impact Factor, h-index.
3. The institution has an official Code of Ethics to check malpractices and plagiarism in research.
4. The institution has an official policy for structured consultancy rendered to Government / Non- Government organizations/ community/ industry/ public.
5. An independent NSS Cell promotes the conduction of extension services. Partnerships with industry, community and NGOs for extension activities have been established. State level/university level awards and recognitions have been received for extension activities
6. The institution has MoUs with institutions of national/ international importance/other universities/ industries/ corporate

houses etc.

Governance, Leadership and Management

1. The institute has established various committees for curricular, co-curricular and extra-curricular development of students in consonance with the expectations of stake holders.
2. The institution has elaborate mechanism to design, implement and monitor Teaching-Learning process for imparting Outcome Based Education (OBE) to the students.
3. The institution adheres to AICTE norms and State Govt. policies on recruitment (access, equity, gender sensitivity and physically disabled) with an effective welfare mechanism for teaching and non-teaching staff.
4. Internal Quality Assurance Cell (IQAC) has significant contribution to institutionalizing quality assurance strategies and processes. External members contribute significantly in the functioning of the IQAC.
5. Academic audit of departments and its impact is an important quality initiative of the institution. The institution reviews its teaching learning process, structure, methodologies of operations and learning outcomes semester wise.
6. To enhance academic rigor and promote culture of excellence, students are encouraged to access peer reviewed journals of repute viz. Springer, DELNET, Gale Cengage e-journals and NPTEL video lectures.
7. The main strength of our institutions is our well qualified staff and all these staffs are motivated by giving some facilities such as; Providing incentives for attending National and International seminar, workshops etc. Arranging different FDPs, conferences in our institute

Student Support and Progression

1. Various committees like SC/ST committee, Anti ragging squad, Anti Ragging Committee, Internal Complaint Committee and Student Grievance cell work efficiently for the support of the students.
2. Personal enhancement and development schemes – coaching classes for competitive examinations, career counselling, soft skill development, etc. are available to the students.
3. Provision of Ramps and special washroom facility provided for the differently abled students.
4. Information about the institution is publicly accessible through its very dynamic and timely updated web site <http://www.coemalkapur.ac.in>
5. The institution has an independent placement cell which helps to identify job opportunities. An independent Training Cell caters to the training needs of the students. The institution has a successful track record of students appearing and qualifying in competitive examinations.
6. An independent Innovation & Entrepreneurship Cell facilitates business start-up culture and develops entrepreneurship skills.
7. The institution has an independent Women Development cell which looks after the women welfare and security with clearly defined policy for prevention of sexual (gender) harassment.
8. The students are supported financially by providing work in Library, Central Computing Lab, Department Labs and data

entry excluding their academic schedule.

Teaching-learning and Evaluation

1. The admission process is carried out through Maharashtra- Common Entrance Test Centralized Admission Process (MH-CET-CAP) by strictly following the guidelines specified by DTE, Maharashtra State, Mumbai for UG and PG programme.
2. The Institute takes lots of efforts to enhance student's knowledge.
3. The institution follows a system of mentor-mentee to meet the academic and personal needs of students. The learning environment is conducive for critical thinking, creativity and scientific temper.
4. The institution meticulously plans and organizes its teaching schedule. Projects / field experiences are integrated into the learning programmes. Student centred methods are an integral part of the pedagogy adopted by the faculty
5. Experiential learning, participative learning, problem solving methodologies are used for enhancing learning experiences. New technologies like virtual laboratories are deployed by the institution to enhance student learning.
6. Feedback on the evaluation of teachers is leveraged for improvement of the quality of teaching-learning process. The institution gives due recognition to innovative and creative contributions of its faculty and students.
7. The institution has adequate, well qualified faculty as prescribed by AICTE norms. The induction and in-service academic development programmes are integral part of faculty training. The faculty are encouraged to demonstrate creativity and innovation in teaching.
8. The institution adheres to the academic calendar for conduct of examinations. Transparency and security of evaluation system is ensured. The institution follows an effective mechanism for redressal of grievances pertaining to examinations.

Curricular Aspects

1. The institute is affiliated to Sant Gadget Baba Amravati University, Amravati, hence it follows the curriculum as prescribed by the university. The vision, mission and objectives of the institution are communicated to the students, teachers, staff and other stakeholders through prospectus, handbooks, website, brochures and pre-printed stationary etc.
2. The academic calendar is developed in line with the university notified academic calendar and deployed as action plan for effective implementation of the curriculum.
3. Lesson plans, syllabi, files, power point presentations, textbooks, reference books and Internet connectivity like supports are prepared by the faculty for effective curriculum delivery and transaction so as to enrich the teaching practices.
4. The Institution has an Academic Board to ensure that the stated objectives of curriculum are achieved in the course of implementation.
5. The institution offers following options for Diploma, UG and PG programmes leading to B.E. and M.E. degrees.
6. The institution follows a semester system and the curriculum offers a number of free /professional elective options through Choice Based Credit System (CBCS).
7. Options are available to students for acquiring additional skills and enrichment Certificate courses along with their regular curricula. All learners have access to value-added programmes, including communication skills / soft skills.
8. Institution through Academic Board monitors and evaluates the quality of the enrichment programmes being offered. Structured feedback from stakeholders, adjunct faculty, students is obtained for enriching the curriculum.

Infrastructure and Learning Resources

1. The institution has adequate physical infrastructure and facilities for teaching learning as prescribed by the AICTE norms like laboratories Furniture, fixtures, equipment and good laboratory practices
2. The state-of-art 284 computers, Internet connectivity with the speed of 32 Mbps and campus wide Wi-Fi facility are in place
3. The library has adequate physical facilities such as reading room, reprography and internet bandwidth as prescribed by the AICTE. The library operations (issue of books, getting the necessary references, etc) are all IT-enabled and user-friendly.
4. The library is computerized and networked with other libraries like NDL, NPTEL, INFLIBNET. The Library Advisory Committee is responsible for the effective functioning of the library.
5. The library is stocked with adequate number of journals (national + international) and other library resources (i.e. CDs, NPTEL Videos, etc.).
6. The institution is connected with the National Knowledge
7. Network and other such facilities. Budget provision is made for purchase, upgrading and maintenance of computers.
8. The institution frequently upgrades its IT facility and has latest computing facilities – hardware and software. The faculties are provided with the requisite facilities for preparation of computer aided teaching learning material.
9. An independent Operation & Maintenance Cell is in place with established procedures and systems for maintaining and utilizing physical and academic support facilities, buildings, laboratories, equipment's etc.

Institutional Values and Best Practices

1. Solar power has been the major area of renewable energy system at the campus. The street lighting has been made solar based with the energy efficient LED lights. A grid connected 5KW solar power system is in operation for day-time electricity requirements. Green audit of the institute is planned in near future.
2. The campus has been made eco-friendly by tree plantation, effective recycling of the waste for compost and a mechanism for rain water harvesting.
3. Awareness regarding environment consciousness is created by displaying appropriate messages/slogans on notice boards, class rooms, laboratories, corridors and campus.
4. The institute has adopted several energy saving measures like switching off the lights, fans and electronic equipment when not in use. Renewable energy measures such as use of solar panels, solar heaters, and are promoted both in the institute and the hostels.
5. Another of the best practices is the free book bank facility to all the students for all the semesters. Each and every student is issued a set of all the textbooks required during a semester free of cost.
6. The institute has established an efficient firefighting system. The network of the firefighting system is wide spread.
7. National Service scheme (NSS) volunteers work with villages, slums and voluntary agencies. In addition, NSS team frequently organize blood donation camps, awareness programs, plantation drives, Swachata Abhiyan etc.

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	07267-226700	9028044902	07267-224943	coemalkapur@rediffmail.com
IQAC Coordinator	Yugesh Kharche	07267-222650	9096167920	07267-222450	yugeshkharche7@gmail.com

Status of the Institution	
Institution Status	Private

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of establishment of the college	10-07-2010

University to which the college is affiliated/ or which governs the college (if it is a constituent college)		
State	University name	Document
Maharashtra	Sant Gadge Baba Amravati University	View Document

Details of UGC recognition				
Under Section		Date		
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	10-04-2017	12	APPROVED FOR ACADEMIC YEAR

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	Yes
If yes, has the College applied for availing the autonomous status?	No

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	10.84	12848.94

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	13
UG	BE, Civil	48	HSC	English	60	19
UG	BE, Electrical	48	HSC	English	60	8
UG	BE, Computer	48	HSC	English	60	13
UG	BE, Electronics And Telecommunication	48	HSC	English	60	0
PG	ME, Mechanical	24	ENGG. GRADUATE	English	24	3
PG	ME, Electrical	24	ENGG. GRADUATE	English	18	3
PG	ME, Computer	24	ENGG. GRADUATE	English	24	4
PG	ME, Electronics And Telecommunication	24	ENGG. GRADUATE	English	18	0

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	6				12				75			
Recruited	1	0	0	1	0	0	0	0	19	6	0	25
Yet to Recruit	5				12				50			
Sanctioned by the Management/Society or Other Authorized Bodies	3				4				67			
Recruited	2	0	0	2	2	0	0	2	41	22	0	63
Yet to Recruit	1				2				4			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				44
Recruited	15	1	0	16
Yet to Recruit				28
Sanctioned by the Management/Society or Other Authorized Bodies				44
Recruited	37	4	0	41
Yet to Recruit				3

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				10
Recruited	7	3	0	10
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				10
Recruited	7	3	0	10
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.	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	2	0	0	0	0	0	3
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	43	27	0	70

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	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

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	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

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
		12	8	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
PG	Male	9	0	0	0	9
	Female	5	0	0	0	5
	Others	0	0	0	0	0
UG	Male	673	3	0	0	676
	Female	176	0	0	0	176
	Others	0	0	0	0	0
Diploma	Male	181	2	0	0	183
	Female	45	0	0	0	45
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	28	82	44	33
	Female	6	21	12	11
	Others	0	0	0	0
ST	Male	4	6	5	4
	Female	2	2	1	0
	Others	0	0	0	0
OBC	Male	79	160	190	142
	Female	16	64	68	38
	Others	0	0	0	0
General	Male	50	154	80	35
	Female	5	31	11	15
	Others	0	0	0	0
Others	Male	22	41	51	34
	Female	4	10	9	1
	Others	0	0	0	0
Total		216	571	471	313

3. Extended Profile

3.1 Programme

Number of courses offered by the institution across all programs during last five years

Response : 13

Number of self-financed Programmes offered by college

Response : 13

Number of new programmes introduced in the college during last five years

Response : 10

3.2 Student

Number of students year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
659	973	848	668	603

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

2016-17	2015-16	2014-15	2013-14	2012-13
731	787	824	824	678

Number of outgoing / final year students year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
115	105	127	144	144

Total number of outgoing / final year students

Response : 635

3.3 Academic

Number of teachers year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
98	97	95	95	68

Number of full time teachers year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
74	79	71	69	56

Number of sanctioned posts year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
100	100	100	100	70

Total experience of full-time teachers

Response : 616.9

Number of teachers recognized as guides during last five years

Response : 2

Number of full time teachers worked in the institution during the last 5 years

Response : 143

3.4 Institution

Total number of classrooms and seminar halls

Response : 17

Total Expenditure excluding salary year wise during last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
89	93	184	243	205

Number of computers

Response : 380

Unit cost of education including the salary component(INR in Lakhs)

Response : 0.98

Unit cost of education excluding the salary component(INR in Lakhs)

Response : 0.23

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

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

Response:

The institute is affiliated to Sant Gadage Baba Amravati University, Amravati, hence it follows the curriculum as prescribed by the university. The vision, mission and objectives of the institution are communicated to the students, teachers, staff and other stakeholders through prospectus, handbooks, website, brochures and pre-printed stationary etc. The institute follows the curriculum and academic calendar prescribed by the university. The printed copies of curriculum and syllabi/handbook are distributed among students and faculty members and uploaded on website. Advance planning of academic activities and calendar in alignment with the university issued academic calendar circular. The Institution has an Academic Board to ensure that the stated objectives of Curriculum are achieved in the course of implementation. Time table is prepared by the department; its formal approval is obtained from the dean (Academic) and it is notified. Workload is prepared by individual head of department referring university syllabi Subjects are allocated to faculties taking into consideration their qualification, their subject specialization, experience and his/her willingness. Individual faculty prepares Course file containing notes, transparencies, soft power point presentations, laboratory manuals, frequently asked questions, are prepared by individual faculties. These course files are reviewed by respective head of departments. Syllabi, files, power point presentations, Videos, textbooks, reference books and Internet connectivity like supports are prepared by the faculty for effective curriculum delivery and transaction so as to enrich the teaching practices. Timely feedback is taken by academic dean / Principal to monitor the effective implementation of academic calendar. Mid-term, assessment examinations such as unit tests, PUT on whole syllabus as per university examination are conducted by department as per schedule in academic calendar. Initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency: - The institute is continuously making efforts for effective curriculum delivery quality. The initiatives taken in this direction are as below. The institute identifies training needs and expertise of faculties and supporting staff members and accordingly they are utilized. Institute has identified experienced and qualified human resources from industries and appointed them as adjunct faculties which help students learning actual industry needs. The institute provides well-furnished modern laboratories in all departments with latest facilities for gaining practical knowledge through lab practice and project work. The teaching process is reviewed weekly and associated problems are discussed in departmental meeting for smooth curriculum delivery. The language laboratory promotes the use of modern computer application in learning English languages communication effectively. The modern teaching aids such as LCD projectors, webinars (ICT). NPTEL videos are used for effective teaching learning process. Principal /Dean (Academics) have devised an effective mechanism for monitoring the curriculum delivery and transaction. For example, surprise lab audit during practical Session.

File Description	Document
additional information	View Document
Link for Additional Information	View Document

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 10

1.1.2.1 Number of certificate/diploma programs introduced year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
3	0	0	3	4

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Details of the certificate/Diploma programs	View Document
Any additional information	View Document

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 1.97

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2	2	2	0	1

File Description	Document
Any additional information	View Document
Details of participation of teachers in various bodies	View Document

1.2 Academic Flexibility

1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years

Response: 53.85

1.2.1.1 How many new courses are introduced within the last five years

Response: 7

File Description	Document
Details of the new courses introduced	View Document
Minutes of relevant Academic Council/BOS meetings.	View Document
Any additional information	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 100	
1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.	
Response: 9	
File Description	Document
Name of the programs in which CBCS is implemented	View Document
Minutes of relevant Academic Council/BOS meetings.	View Document
Any additional information	View Document

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years				
Response: 51.9				
1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year wise during last five years				
2016-17	2015-16	2014-15	2013-14	2012-13
257	491	565	417	247
File Description	Document			
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	View Document			
Any additional information	View Document			

1.3 Curriculum Enrichment

1.3.1 Institution integrates cross- cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum
Response:
<p>The efforts are made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights etc., in support of the curriculum. The institute has taken initiatives and implemented the schemes like: Environmental pollution & Rural Sanitation :- This subject is related to the civil engineering, it consist of General component of Environment, Water Pollution in which sources of water pollution Effect on water bodies, Noise Pollution:-in which sources of noise pollution, Land Pollution, Environmental Impact Assessment, Rural Sanitation. Advance waste water & Industrial Waste Treatment:- This subject is related to the civil engineering , it consist of unit Physical Unit Process , Biological Unit Process, Low cost Waste Water Treatment, Effect of Discharge of industrial waste water on stream, General Approaches of planning of industrial waste water Treatment and Disposal. Non-Conventional Energy Source:- This subject is related to the Mechanical Engineering, it consist of Renewable & Non- renewable sources, Solar Radiation, Radiation transfer through cover, Solar energy Utilization, Energy from Ocean Automobile Engineering:- This subject is related to the Mechanical Engineering, it consist of Classification of Automobile, power unit, The electrical system, Transmission</p>

system, Braking system, Type of Lubricant, Wheel Balancing, Wheel Alignment Refrigeration and Air-conditioning:- This subject is related to the Mechanical Engineering, it consist of Introduction to Automotive Air conditioning, Multi stage pressure system, Refrigeration system component & control, Classification of air conditioning System& application . Multimedia Technologies:- This subject is related to the Computer Science& Engineering, it consist of Multimedia Authoring Data Representation, Colour in Image Video, Basics of Digital Audio, Multimedia Data Compression, Basic Video &Data Compression Techniques. Network Security:- This subject is related to the ComputerScience&Engineering, it consist of Introduction of Security Trends, Public Key Cryptography and Message Authentication,Authentication Application. Process control System:- This subject is related to the ElectricalEngineering, it consist of Electronics Instrument for measurement of electrical parameter ,Signal generation and analysis , Signal counting and Recording , Signal Conditioning and Conversion , Signal Power Quality:- This subject is related to the Electrical Engineering, it consist of Introduction of power Quality, Power Quality Characteristics, Power Quality Standard, Power Quality Solution, Wiring and Grounding,. Computer Organisation :- This subject is related to the Electronics & TelecommunicationEngineering, it consist of Organization and Architecture, Structure and Function,External Device , I/O Module ,I/O Channel and IOPs, SCSI and Fire Wire Interfaces. Bio- Medical:- This subject is related to the Electronics & Telecommunication Engineering, it consist of Therapeutic Equipment, Patient care and Monitoring and Safety , Computer in Bio- Medical Engineering , Types Of Leakage Current.

File Description	Document
Any Additional Inormation	View Document
Link for Additional Information	View Document

1.3.2 Number of valued added courses imparting transferable and life skills offered during the last five years

Response: 15

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during last five years

Response: 15

File Description	Document
Details of the value-added courses imparting transferable and life skills	View Document
Brochure or any other document relating to value added courses.	View Document
Any additional information	View Document

1.3.3 Percentage of students undertaking field projects / internships

Response: 52.65

1.3.3.1 Number of students undertaking field projects or internships

Response: 357

File Description	Document
Institutional data in prescribed format	View Document
List of students enrolled	View Document
Any additional information	View Document

1.4 Feedback System

1.4.1 Structured feedback on curriculum obtained from 1) Students 2) Teachers 3) Employers 4) Alumni 5) Parents For design and review of syllabus semester wise/ year wise	
A. Any 4 of the above B. Any 3 of the above C. Any 2 of the above D. Any 1 of the above Response: A. Any 4 of the above	
File Description	Document
Any additional information	View Document
Action taken report of the Institution on feedback report as minuted by the Governing Council, Syndicate, Board of Management	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback processes of the institution may be classified as follows:	
A. Feedback collected, analysed and action taken and feedback available on website B. Feedback collected, analysed and action has been taken C. Feedback collected and analysed D. Feedback collected Response: A. Feedback collected, analysed and action taken and feedback available on website	
File Description	Document
Any additional information	View Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrolment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 0.08

2.1.1.1 Number of students from other states and countries year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	1	2	0

File Description	Document
List of students (other states and countries)	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.1.2 Average Enrolment percentage (Average of last five years)

Response: 48

2.1.2.1 Number of students admitted year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
216	571	471	313	290

2.1.2.2 Number of sanctioned seats year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
731	787	824	824	678

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

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 48

2.1.3.1 Number of actual students admitted from the reserved categories year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
216	571	471	313	290

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

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

The institution completely abides the government policies, rules and regulations regarding the needs of differently-abled students. 1. The First Year Engineering students of UG and PG and Direct Second Year Engineering Students are addressed by Principal of the Institute. 2. The institute receives the students from urban and rural part. It has been observed that the communication skill of the students is weak. So institute has a strategy to expose students to English speaking through special classes. 3. Interaction with Head of the department, Faculty Advisor, Teacher Guardian is scheduled on first day of their professional education; this helps understand the needs of the student being admitted. 4. Special classes are arranged for late admitted students, especially students who take direct admission to second year. For DSY students, the special makeup classes are conducted by respective departments in core subject like Mathematics-III for all branches, Strength of Material for Civil Engineering, Electronic devices and Circuits, Computer Organization for Computer Science & Engineering, Network Analysis for Electrical Engineering, Electro-magnetic Field for Electronics and Telecommunication Engineering. 5. Special Soft skill program arranged for students to increase their skills and competence. 6. Provide Special attention to the Slow Learner, special Remedial classes are taken for the weak students to increase their skills and competence by VBKCOE. Slow Learner: The weak students traced out by the faculty team and they are given extra classes in order to cope with their fellow students. These students are counselled by the senior faculty team and get the feedback of their studies and personal issues so that they can perform their studies in a particular defined way. Various assessment tools such as Unit test, Continuous Assessment, Lab viva session, interaction during the lecture, etc. are available for all slow learners students. Remedial classes are conducted for slow learner. These students are asked to discuss personally with the faculty during the extra hours such as the library / seminar hour/evening stay back/Saturday if necessary. Extra assignments, question bank are given for solving. Special English language classes, Guest lectures, Soft skill development programs, Personality development programs are arrange for slow learners. Advanced learner: The students are encouraged to do their final year project in the industries located in and around the institute. The students are exposed to the current trends in the industry by arranging expert lecture by the renowned person from the reputed institution and industries. The students are also encouraged to take up the in plant training in the industry to get the hands on experience about the current technology in the industries. The Institute arranges industrial visits for the students to get technical information about the industries and their technologies. Expert Lectures Personality development programs are arranged for advanced learners. 7. Video lectures made available during theory classes. 8. Library facilities, Digital Library, E-Journals, Book Bank Facility, NPTEL facilities provided to all students to enhance technical contents along with the prescribed books as per the syllabus.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.2.2 Student - Full time teacher ratio	
Response: 7.29	
File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls	
Response: 0	
2.2.3.1 Number of differently abled students on rolls	
File Description	Document
Institutional data in prescribed format	View Document

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
<p>Response:</p> <p>The faculties delivers the sessions in a more interactive way using various tools like LCD projectors for presentations, Animations, Video lectures, interactive sessions using the chalk and talk method. Interactive learning is promoted through workshop conduction by the institute for the Students-Technical, soft skills, aptitude etc. Technological facilities available at the Institute for effective teaching are Central Library, Virtual Laboratories, Tutorial Rooms, Printed Journal, Magazines, Digital Resources like E-books, E Journals: DELNET, e-Shodhsindhu and NPTEL Video Lectures Students are encouraged for Earn-and-learn. The faculty members use teaching practices beside the chalk and talk method of lecture, the faculty uses the following methods:</p> <p>Experimental Learning: To develop the experimental skill among the students Industrial visit is organized in each semester to choose the right techniques to design, create and test a system with accuracy. Students are sending to Industries for Industrial training refers to work experience that is relevant to professional development prior to graduation. The training & placement department do professional counselling of the students. The field visits, on-site learning and internships are arranged for the students. The visits help in experimental learning and enable the students to understand the social problems and find solutions.</p> <p>Participative Learning: Project based learning: The project work under the faculty helps the students to reviewed the outcomes and impact of research. It also helps the students to pool the finding and arrived at solution. National level workshops/ projects, exhibitions at various departments make the platform for the students available to enhance the extracurricular abilities like leadership skills, management skills etc. apart from traditional teaching. They are encouraged to participate in workshops, conferences, seminars within the college as well as in various other Institutions. They are motivated for involvement in projects, research publications etc. Institution has held programmes on celebration of Ganesh festival with Green Concept, Poster competition, tree plantation has been organized.</p> <p>Problem solving methodologies: Industrial Training is organized for students to develop the practical and professional skills required for an Engineer to solve Engineering problems. Students are encouraged to go for various projects from well-known industry so that to get direct exposure to the industry. Students are encouraged to prepare models to describe the engineering design process. Interactive method: Every department organizes guest lectures, expert lectures of eminent professionals and academicians. The teacher conduct group discussion , seminar and involve the students to present case studies to enable them understand the subject better.</p>

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.3.2 Average percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 91.4

2.3.2.1 Number of teachers using ICT

Response: 85

File Description	Document
List of teachers (using ICT for teaching)	View Document
Any additional information	View Document
Provide link for webpage describing the " LMS/ Academic management system"	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 9.29

2.3.3.1 Number of mentors

Response: 73

File Description	Document
Any additional information	View Document
Year wise list of number of students, full time teachers and students to mentor ratio	View Document

2.3.4 Innovation and creativity in teaching-learning

Response:

In line with Institute vision, conscious efforts are taken in the academic and allied activities of the Institute to nurture critical thinking, creativity and scientific temper among the students. Institute aspires to have a transformational impact on students through comprehensive education by inculcating qualities of competence, confidence and excellence. Some of the innovative teaching methodologies adopted are: Critical Thinking: Students are inspired to participate in different co-curricular activities like Tech-Tantra, Paper presentations, poster presentations, paper publication, model making competition, software contests and other various co-curricular activities like project competition Workshops, Seminars etc. Students also actively participate in the annual Technical & Cultural event "Relish" which comprises activities like fun games, singing, dance, drama etc. for students in which students showcase their creativity and talents. Industrial visits are organized for the students to gain practical knowledge about the functioning which gives a way to broad thinking. Industry sponsored projects are allocated to the students which lead to critical thinking. Students participate in different skits, short plays and dramas on wide range of societal issues like Dowry system, child marriage, child abuse, Tobacco smoking and drawing in contemporary issues like cleanliness campaign, Environment, Pollution, health and hygiene etc. Students are encouraged to participate in Clean and Green programmes, such as programmes on pollution control, environmental protection etc. conducted by the

Institution, Government and NGOs. The NSS unit of college encourages students to organize and participate in activities related to social cause. Throughout the year the NSS unit organizes lectures for the students on various social aspects such as woman empowerment, AIDS awareness, blood donation and so on to inculcate social awareness among the students. The Innovation and Entrepreneurship Development Cell takes the responsibility of: Motivating and involving the students in various programme funded by Department of Science & Technology. Transforming them to Entrepreneurs by organizing Entrepreneurship Awareness Camps. The students are encouraged to design their own applications/mini projects using the available equipment and software in the laboratory. During classroom session they are involved in discussions, query solving, problem solving, quiz; at times short delivery of a concept explanation Every department includes content beyond syllabus to keep the students abreast with the latest Technology; this includes workshop on PLC SCADA Expert lectures of industry persons, scientists, are organized to share their experiences and to make them aware of new technology and practices followed in industry. Students are motivated to become members of Professional societies chapter and student forums like ISTE. Students who are interested in research and development work are motivated and encouraged to present their work in different conferences / journals. Students are rewarded for their best and outstanding performance in project, research and other relevant areas. Faculty members are also engaged with research work in association with potential students by sharing their innovative concepts with these students. Research forum, Alumni guidance time-to-time given to the students by arranging programs. All these events provide useful insights to the students in order to nurture critical thinking, creativity and scientific temperament among them.

File Description	Document
Any additional information	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 74.6

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 3.64

2.4.2.1 Number of full time teachers with Ph.D. year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
3	3	3	3	1

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document

2.4.3 Average teaching experience of full time teachers in number of years

Response: 6.63	
File Description	Document
List of Teachers including their PAN, designation,dept and experience details	View Document

2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Response: 1.66

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2	3	0	0	1

File Description	Document
e-copies of award letters (scanned or soft copy)	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response: 9.57

2.4.5.1 Number of full time teachers from other states year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
12	14	11	8	2

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

The institution implements all the evaluation reforms as prescribed by the Sant Gadge Baba Amravati University, Amravati. Moreover, institute has introduced some other evaluation reforms. The following major evaluation reforms initiated by the institution on its own: Principal, academic dean and the HOD prepares the

academic calendar of the institute includes start date, date of Internal tests, holidays, Unit Tests and Pre-university exam etc. displayed on the notice boards and Website well in advance. This helps the Head of Departments to better organize the teaching Learning activities so as to have a smooth transition towards examinations and provide better results. Institute conducts, Assignments, Unit Tests, Common test based on complete syllabus, Pre-university test (PUT) for all students in each semester. The teachers distribute tutorial problems, assignments, lecture notes and other relevant materials to the student also Question Bank is provided to the students. The question paper patterns for the internal examinations have been standardized by the institution, in respect of Part A and Part B questions and units coverage with a view to quantitatively assess the specified Course outcomes for each course. Institute notifies related evaluation process and related documentation on the notice board. This includes schedule of assignment, internal class tests, submission and University (Theory and Practical) examination. Students are required to study several laboratory courses during each semester as part of the curriculum. Laboratory manuals are available with all laboratories which provide the instructions to the students and make them understand how to carry out lab experiments The assignment carried down by students in laboratory classes has to be recorded in laboratory record book which is evaluated by the concerned faculty member. In addition to this Practical Manual has to be maintained by the students in each laboratory class. The college monitors and communicates the progress and performance of the students to them. The information of short attendance in the class is communicated to the parents by respective class counsellor through phone and by post also. The performance of the student is evaluated in terms of previous results, class test, assignments, attendance and their participation in the classroom activities as well as institute level activities. The institution abide with the directions issued by the Honorable Supreme Court of India where in a student is required to maintain a minimum 75 % of attendance as prescribed by the university. Students are required to meet the minimum eligibility criteria of attendance to appear in the University examination. Students are well-informed about the tutorial classes being counted separately for the purpose of attendance. It gives feedback to students and parents about the performance. Teacher guardian scheme take the feedback of students about the academic performance. At the end of Term University conducts examination and evaluate the student performance.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

The transparency/weightage in the internal assessment is maintained strictly as per University rules and regulations. The internal assessment is made by faculty members keeping in mind the following aspects/factors of the student's performance during the academic year: Class Attendance 2. Class Assignments 3. Performance of the sessional exams 4. Practical performance 5. Practical Viva In addition to all the above aspects, the behaviour of the student in the class, overall response in class, independent learning and communication skill, viva during performing the practical, project work, and participation in national or international competition etc. are also taken into consideration to assess the student. Students are required to maintain a minimum 75 % of attendance as prescribed by the university. Students are clearly made aware of the eligibility conditions required to appear in the university examination of respective semester. Attendance of the students is maintained and display on notice board at end of the month. Shortlisted that student who has less attendance and their attendance is communicated to their parents via phone calls. The evaluation process is transparent without any biasing. In order to maintain transparency, the answer sheets are distributed to the students after evaluation and discussed properly. The faculty evaluates the assignment and class tests and provides them marks according to their performance. The record of attendance is also maintained to give them marks according to their status. In addition to this the project work by the students also helps to assess the practical and technical knowledge of the students. After preparing the assessment report, it is submitted by the concerned faculty to Head of Department. The results of the tests are made available on the notice boards and the same are openly discussed with the students in person. The parents are also made aware about the same through letters sent by the Institute for Poor performers and Low attendance. The institution implements all the evaluation reforms as prescribed by the Sant Gadge Baba Amravati University, Amravati. Assignments are given to students which are measure for analyzing the student's learning capacity and the given assignments

are discussed in class of all subjects which helps the students learning. Sessional exams are conducted twice in semester and the result of class tests are displayed on notice board. Also PUT is conducted at the end of the semester; the paper of PUT is designed like university question paper. And the mark of PUT is considered for the internal assessment.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response:

The college and university have a well defined process for addressing the grievances with reference to evaluation. The University provides full opportunity to students to seek redress in examination related matters. As indicated above under examination reforms, the student is allowed to see all the marks and view the answer-books of all written examinations. Thus, a student is fully aware of the written performance. In case of any query or grievance the student may first take his/her appeal to individual faculty and further appeal to the HOD/Director. The appeal may further be taken up with the concerned Dean or finally the VC, whose decision is final. The University appointed one faculty member for the institute as an exam coordinator for the period of three years. He / She look after the grievance /queries related to the university examination. University exam coordinator is work as mediator between Students College and university which help to speed up the University examination process. University exam coordinator gives the information of University circular, notices to the students, higher authority and displayed the same on notice board. Fill the examination form and submit to university within a time. The evaluation at the college level is done by the concerned teacher teaching the subject. In case of poor performance of the student in sessional examination, extra assignments are given to them. The queries of the students are solved by the respective subject teacher individually. The concerned teacher addresses these grievances in person. In case it cannot be handled by the teacher the next level of escalation is Teacher Guardian, then Head of the department and further if the need be the Principal. The University has a different system of redressal of student grievance. They have to apply online for grievance redressal with respect to evaluation of answer sheets.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

The institution regularly and systematically evaluates and monitors the quality of teaching in the following ways: Principal, academic dean and the HOD prepares the academic calendar of the institute and department wise that includes start date, date of Internal tests, holidays, evaluation schedule, assessment Schedule, Academic events, Sports Schedule, Unit Tests and Pre-university exam etc. displayed on the notice boards and Website well in advance. The institution adheres the academic calendar. As the institute is affiliated to Sant Gadge Baba Amravati University, Amravati, examinations are conducted by affiliating university; the result analysis process is carried out twice in a year i.e. for every semester. Two class tests per semester, surprise tests, assignments, tutorials, presentations and orals, etc. are conducted at regular intervals and their results are analysed and discussed with students to improve quality of teaching-learning. The quality of course material, assignments, experiment list, lab manual prepared by the faculty is assessed internally and suitable suggestions for enriching the course materials lab manuals and assignments are given by the senior faculty of the departments. A regular student's feedbacks are taken during the session and at the end of the session. These feedbacks are then made available to the respective faculties through their respective Head of the Departments with appropriate suggestions for better performance & results. The Head of the Department takes intermittent verbal feedbacks

and provides the same to the respective faculties through direct interaction. The institute believes in learning and enhancements. Various faculties are deputed to study the best practices followed Various Institutes and tries to adopt the best of them.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Response:

Graduate attributes are qualities, skills and competence that a student should develop as a consequence of the learning process, they engage with while at college. No graduate attributes has been specified by the affiliating university. However, the institute follows graduate attributes suggested by NBA which are follows Institute has stated their own learning outcomes. All the departments of the institute have the well-defined programme objectives and outcomes. Programme Educational Objectives and Programme outcomes, program specific outcomes are displayed on Institute website, department notice board and printed in course files. For every course/subject have separate course objective and outcomes. Course objectives and outcomes are framed/ reframed by respective teaching faculty by considering the feedback from the students, alumni, parents and syllabus. These are discussed by faculty in the classrooms, with staff in departmental meetings. These are also reflected in course files. The students and the faculty are disseminated through: Institute website Department notice boards Laboratory notice boards To develop the learning process of the student institute has always follow outcomes based on educational approach. With the help of the class test, assignments we can observed students learning difficulties, institute always organised the industrial visits, remedial classes, extra lectures, guest lectures for improving performance and to enhancing knowledge of students. Institute always focus on student performance. Institute pays attention not only to the curricular but also to the co curricule and extracurricular activates for the overall development of the student. Extra-curricular activities to sensitize students towards ethics, environment, society and lifelong learning. Various Co-curricular activities develop the skills among the students like team work, problem solving, communication, multi-discipline and leadership etc. Institute organized the project competitions for the student, it helps to develop the problem solving skill. Institute encourages the independent learning which includes paper presentation by students, project, and innovative mini project, it improve technical knowledge to solve complex engineering problem and an ability to design a process to meet desired needs such as economic environmental health and safety. Institute has well equipment communication laboratory, to Use audio – visual aids to communicate effectively and efficiently to improve the communication skill among students. Various program are organised to enhance the students' ability to analyse real-life problems and provide viable solutions with design and development of socially relevant projects.

File Description	Document
Any additional information	View Document
COs for all courses (exemplars from Glossary)	View Document
Link for Additional Information	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

The process of attainment of COs, POs and PSOs starts from writing appropriate COs for each course

of the program from first year to fourth year in a four-year engineering degree program. The course outcomes are written by the respective faculty member using action verbs of learning levels. A mapping matrix is prepared in this regard for every course in the program including the elective subjects. The course outcomes written and their mapping with POs are reviewed frequently by a committee of senior faculty members before they are finalized. Attainment of Cos: Course Outcomes are narrower statements that describe what students are expected to know, and be able to do at the end of each course. These relate to the skills, knowledge, and behaviour that students acquire in their matriculation through the course. In a university affiliated college, the CO attainment levels can be measured based on the results of the internal assessment and external examination conducted by the university. This is a form of direct measurement of attainment. In the university to which the author's institute is affiliated to, three internal assessment tests are conducted for each course in a semester. After the two tests, the average of these percentages is computed to decide the attainment level. Similarly, after the declaration of the university results, the percentage of students who attained the COs is computed. Here, it is assumed that the questions answered by a student cover all the course outcomes defined for that course. In a meeting of senior faculty members in the author's institute, many discussions were held on setting the target attainment level (percent of marks scored by a student in a course) for deciding the course attainment level. The target percent of marks scored by the students is set by the course faculty member based on the university results of the course in the institute in the past three years. Overall Course Outcome Attainment: The overall CO attainment level in the course considered is then computed as Overall CO attainment level = 50% of CO attainment level in IA tests + 50% of CO attainment level in SEE Overall CO attainment level = $0.5 \times 3 + 0.5 \times 0 = 1.5$. It is assumed here that all the COs defined for the course are covered in class tests. Attainment of POs : Program Outcomes (POs) are one step broader statements than COs that describe what students are expected to know and be able to do upon the graduation. These relate to the skills, knowledge, and behavior that students acquire in their matriculation through the program. Program outcomes and 'program specific outcomes' are attained through the attainment of COs. This is called direct attainment of POs and PSOs.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.3 Average pass percentage of Students

Response: 63.2

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

Response: 79

2.6.3.2 Total number of final year students who appeared for the examination

Response: 125

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

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Database of all currently enrolled students	View Document

NAAC

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years

Response: 2.11

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year wise during last five years(INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
0.42	0.71	0.58	0.40	0

File Description	Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document
List of project and grant details	View Document
Any additional information	View Document

3.1.2 Percentage of teachers recognised as research guides at present

Response: 0

3.1.2.1 Number of teachers recognised as research guides

File Description	Document
Institutional data in prescribed format	View Document

3.1.3 Average number of research projects per teacher funded by government and non government agencies during the last five years

Response: 0.27

3.1.3.1 Number of research projects funded by government and non-government agencies during last five years

Response: 38

File Description	Document
Supporting document from Funding Agency	View Document
List of research projects and funding details	View Document
Funding agency website URL	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge**Response:**

The EDP cell has been established in 2012 to promote the idea of entrepreneurship among the students of the college as this is very much essential for the economic growth of the country. The programmed content includes class room training on essentials of entrepreneurship survey of the prevalent economic scenario, identification of business opportunities, role and function as well as schemes of assistance offered by various constituents of the support system, preparation of a technically feasible and economically viable project report, Achievement Motivation Training and also the nuances of management of an enterprise. Sessions on technology and finance are also arranged, depending upon the nature of project selected Objectives: The cell has been encouraging the innovative idea of students by providing technical support and introducing them to the appropriate change agents for future related interaction. Short-term objectives: These objectives can be achieved immediately. In the short-term, the individuals are trained to be an entrepreneur and made competent enough to scan existing market situation and environment. The person, who would be the future entrepreneur, should first set the goal as an entrepreneur. The information related to the existing rules and regulations is essential at this stage. Long-term objectives: The ultimate objective is that the trained individuals successfully establish their own business and they should be equipped with all the required skills to run their business smoothly. Functions: The cell is an effective platform for the students to develop the entrepreneurial attitude as it arranges several seminars and workshops. Through which they provided with an opportunity eminent entrepreneur and government official's alumni, who have established their own enterprise are invited to share their experiences with students regularly. Industrial visit are arranged for the students and staff. Faculty development program are organized for the college staff to inspire the students to become the leaders in the society by inculcating the entrepreneurial spirit in them. An Entrepreneurship Development Programme primarily plays four roles to help an individual to become an entrepreneur. They are: Stimulatory Role: It aims at influencing people in large number to be the entrepreneur. This includes: developing managerial, technical, financial, and marketing skill inculcating personality traits promotes and reforms entrepreneurial behavior and values identifying potential entrepreneur applying scientific methods motivational training and building proper attitude strengthening the motive of a person and giving recognition the valuable know-how of the local products and the processes help in selection of products, preparation of project reports Supportive Role: It helps in the following ways: registration of the business procurement of fund Arrangement of land, power, water, shed etc. support in purchase of right kind of machinery and equipment supply of raw materials and common facilities Providing tax relief, subsidy etc. guidance in product marketing support for management consultancy Sustaining Role: It aims at providing an effective safeguard to businesses to sustain against the cut-throat market competition. This includes: help in modernization, expansion, and diversification additional financing for further development deferring interest payment creating new marketing processes helping access to improved services and facility centers Socio-economic Role: It aims at upgrading the socio-economic status of the public and includes: identifying entrepreneurial qualities in practicality creating employment opportunities in micro, small, and medium industries on an immediate basis arresting concentration of industries by supporting regional development in a balanced manner focusing on the equal distribution of income and wealth of the nation channelizing the latent resources for building an enterprise

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years**Response:** 42

3.2.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
11	9	7	8	7

File Description	Document
List of workshops/seminars during last 5 years	View Document
Report of the event	View Document
Any additional information	View Document

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

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

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: Yes

File Description	Document
List of Awardees and Award details	View Document
e- copies of the letters of awards	View Document
Any additional information	View Document

3.3.3 Number of Ph.D.s awarded per teacher during the last five years

Response: 0

3.3.3.1 How many Ph.Ds awarded within last five years

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response: 0.38

3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
54	23	30	8	18

File Description	Document
Any additional information	View Document
List of research papers by title, author, department, name and year of publication	View Document

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

Response: 0.01

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

2016-17	2015-16	2014-15	2013-14	2012-13
1	0	0	0	2

File Description	Document
List books and chapters in edited volumes / books published	View Document
Any additional information	View Document

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

Padm. Dr.V. B. Kolte College of Engineering Malkapur promotes the faculty and students to work for social activities and aims at holistic development of students to become responsible citizens by following means Our institute through faculty and students, contributes to the neighborhood community by undertaking programs such as Blood donation camps Swachhta Abhiyan Celebrating special days Different awareness programs special programs NSS supported by SGBAU Amravati university Faculty and students are encouraged to participate and undertake, in collaboration with other organizations, programs of social importance. Information regarding these programs is circulated through notices and Heads of Departments. Institute appreciates the services provided by students and faculty by considering their working for such activities as 'on duty' Similarly, time spend by students are marked as present on their subjects. Institute has an active NSS cell through which different social activities are planned for each academic year. Every year, institute periodically organizes various camps and people oriented programs though NSS cell. The activities / programs which are organized by NSS volunteers in nearby villages, city area and college campus include Tree Plantation Awareness Program For Former Suicide Women Awareness Program Literacy Program Yoga Program Public awareness from different cultural event Cleanliness & Health Awareness Program The student members participate in the activities and also contribute by proposing novel ideas for the functioning of

the association. Functions are organized during National days such as Independence Day and Republic Day students are encouraged to organize and participate in the day's events. The tangible outcome of promoting such activities is the growth of leadership quality, team building capacity, adaptability and awareness on social illnesses and the role of the individual in addressing the same. The objectives of the extension activities are To expose the students to real life situations To help students learn to balance academics and socially responsible Activities To assist students appreciate what they have and realize the need to share with the under- privileged Impact Of This Activity The realization of the above objectives and the change in the mindset of the students perceptible attitude are the expected outcomes. Exposure to the societal needs aids the students to realize the worth of the circumstances from which they hail. Secondly, the students focus better on the academics and are inspired to innovate and or work on projects, the impact of which ultimately benefit the society. Thirdly the awareness created has stimulated students to extend financial and other types of help to the down trodden. On the whole, such the experiences impact the Students attitudes towards more relevant, realistic and empathetic approach towards life. The institution actively seeks participation of students in social activities to make them socially active and help them to understand problems faced by the community. Participation of students with community through various outreach programs had greater impact in building them a good human being along with technical expertise the table below shows the impact of such programs.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

3.4.2 Number of awards and recognitions received for extension activities from Government /recognised bodies during the last five years

Response: 43

3.4.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
10	10	10	9	4

File Description	Document
Number of awards for extension activities in last 5 years	View Document
Any additional information	View Document

3.4.3 Number of extension and outreach programs conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc., during the last five years

Response: 62

3.4.3.1 Number of extension and outreach programs conducted in collaboration with industry,community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc.,year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
21	17	10	10	4

File Description	Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document
Reports of the event organized	View Document
Any additional information	View Document

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 42.89

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
500	435	320	375	0

File Description	Document
Average percentage of students participating in extension activities with Govt. or NGO etc.	View Document
Report of the event	View Document
Any additional information	View Document

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Response: 22

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
10	3	3	2	4

File Description	Document
Number of Collaborative activities for research, faculty etc.	View Document
Copies of collaboration	View Document

3.5.2 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 15

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
7	2	4	0	2

File Description	Document
Details of functional MoUs with institutions of national, international importance, other universities etc. during the last five years	View Document
e-copies of the MoUs with institution/ industry/ corporate house	View Document
Any additional information	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

The Institute has always adopted policies and procedures to create the infrastructure at par with the standards and norms of AICTE and SGBAU with respect to the human resources, laboratory equipment, built-up area, learning resources and other teaching learning aids. Modern teaching & learning methodologies are adopted. These include problem based learning through PowerPoint presentations, experimentation. The policy followed by the Institution that will facilitate effective teaching and learning is as to broadly include:

- Classrooms, Tutorial Rooms & Laboratories are well equipped with all the furniture and teaching aids like Green Board, LCD Projectors etc.
- Centralized Computer center is in place with 100 machines.
- Feedback on infrastructure is collected for maintaining effective teaching & Learning environment.
- There is a policy and budgetary provision for new construction and enhancement/renovation of existing infrastructure.
- The area of renovation and maintenance is identified and channelized systematically through Head of the Department to the respective Cell Coordinators (Operation & Maintenance Cell and Building & Works cell) to the Principal.

File Description	Document
additional information	View Document
Link for Additional Information	View Document

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

Response:

Facilities available for extracurricular activities- Apart from curriculum, the Institute gives importance to extra-curricular activities. Institute emphasizes on student fitness, social responsibilities, cultural activities & their participation in sport events. The institution has well developed facility for Sports both outdoor and indoor. Institute is equipped with a playground; a gymnasium to facilitate the students in exploring their skills. Students are provided enough platforms to explore their hidden talents by organizing annual social gathering, technical events, project & paper presentation competition, etc. Students are encouraged to participate in state, National, University and International level competitions.

Sports- The institution has well developed facility for Sports both outdoor and indoor. The campus has been sports & games facilities which are available for student of our institution. Institute is equipped with a playground. Following table enumerates the list of Sports - Indoor and Outdoor games.

National Service Scheme (NSS)- NSS has been introduced at Padm. Dr. V. B. Kolte College of Engineering and Polytechnic since 2013 as a part of the academic programs and since then NSS has been functioning as a regular feature in the realm of education. The overall objective of the scheme is "Education and Service to the Community". It is a student-centered program in which projects are implemented by the NSS volunteers in the community in close collaboration with Sant Gadge Baba Amravati University, Amravati. The college has NSS unit with capacity of 50 students. The NSS-Cell organizes various activities like: Water harvesting awareness programme Road Safety Swaccha Bharat Abhiyan at prime locations in the city Blood Donation Programme Awareness program about save girls Tree Plantation International Yoga Day Celebration every year since 21 June 2015 Voter ID registration Form

Yoga- The "International Yog-Day" was celebrated at VBKCOE. Since 2015 Faculty and students of the Institute get actively involved in Yoga on International Yoga day which is observed on 21st June every year.

Gymnasium- We also know that a regular exercise routine is one of the surest paths to a longer and healthier life. The institute provide gym machines for students to build up their health.

Cultural Activities- Students are encouraged to participate at intercollegiate and interuniversity competitions in cultural activities like singing, dancing, and drama. Separate Cell with Coordinator and Departmental members is working to monitor the activities of students related to cultural events.

File Description	Document
additional information	View Document
Link for Additional Information	View Document

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

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 17

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
any additional information	View Document
Link for additional information which is optional	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 20.26

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year wise during last five years (INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
6	23	50	80	20

File Description	Document
Any additional information	View Document
Details of budget allocation, excluding salary during the last five years	View Document

4.2 Library as a Learning Resource

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

Response:

College library includes complete track of books, journals, newspapers, CD's, videos, photos etc. There are number of Textbooks, reference books available in the college library. College library is automated using integrated library management system. In library Biyani Software is used for automation purpose. Software used to manages 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 issue and return books. It also shows availability of the books and 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 manual process of issuing books by easy and simplified way of issuing book saving time and effort. The librarian can issue, return and reserve book for a particular student through the software's interface. The software automatically shows fine levied by automatically counting days from the date of issue in case of late return of the book. Generate customized report for library items, library inventory and library fine collection. Library is integrated with all modern facilities and accessories like Bar Code, RFID tag etc. Features of Library management system in a college - Keep record of different categories like; Books, Journals, Newspapers, Magazines, etc. Classify the books subject wise. Easy way to enter new books. Keep 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. Automatic fine calculation for late returns. Different criteria for searching a book. Different kind 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 librarian to remember their dates. My Notes section for librarian to write any note. No need to invest heavily on Hardware. Library provides unique facility for automatic importing/migration of existing data in the system. Book bank facility is available in college library. This facility is provided to the top 8 % students in college from each department semester wise. College provides Digital Library facility to the students and faculty. It provides study material such as e-Journals, e-Books, e-Newspaper, and online videos.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Response:

College Library provides rare books, manuscripts, special reports or any other knowledge resource for library enrichment. These collections actively support the teaching, learning and research needs of students and faculty from all disciplines, and the wider scholarly community. The primary holdings are in the humanities and social sciences however they also encompass the rare book collections of the former Library. The humanities and social sciences and in particular art and architecture, history, literature, the history of ideas (philosophy and religion), travel and exploration, and the history of the book form the core of the collection. As well, there are some significant scientific holdings both in the general collection and in some of the special collections. The holdings are divided into a general collection and a number of special collections. The most significant holdings and collections are described on the Special Collections web page. Special collections highlighting social and cultural history include the Sati by Sane Guruji, Shrimati Ramabai Rande (Amchya Ayushyatil Kahi Athvani) by Shrimati Ramabai Rande, Mi Vanvasi by Sau. Sindhutai Sapkal, Dyasparv by Ravsaheb Shinde, Chandrakant Khand 1 by Iccharam desai, Chandrakant Khand 3 by Iccharam desai, Eka Etihaskaracha Etahas by S. V. Patil, Etihaskar Ek Thor Samajsevak by by S. V. Patil etc. Other knowledge resource books are available in a library to motivate the students and increase their knowledge. It should be noted that records for a significant portion of the holdings of Rare Books and Special Collections do not yet appear in the library on-line catalogue. For these materials, readers should consult the Library's staff who can provide assistance in locating these materials. In Library there is collection of special reports like Dissertations of Post Graduate Students, Project reports of Graduate Students, Seminar Reports from different departments.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.2.3 Does the institution have the following:

1.e-journals

- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases

- A. Any 4 of the above
 - B. Any 3 of the above
 - C. Any 2 of the above
 - D. Any 1 of the above
- Response: A. Any 4 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc.	View Document
Any additional information	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in lakhs)

Response: 5.16

4.2.4.1 Annual expenditure for purchase of books and journals year wise during last five years (INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
0.92	5.92	4.88	6.15	7.92

File Description	Document
Any additional information	View Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Any additional information	View Document
Details of remote access to e-resources of the library	View Document

4.2.6 Percentage per day usage of library by teachers and students

Response: 6.49

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 50

File Description	Document
Any additional information	View Document
Details of library usage by teachers and students	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi	
Response:	
<p>Institute is having more than 285 computer system including Dell, HP and some are assembled. Computer systems are protected by antivirus. All computer systems are in working condition. Along with computers we have 9 laptops (HP, Compaq, IBM, ASUS) with antivirus in working condition. Institute is having genuine operating systems and legal softwares along with some open source software's. All the computers are connected with LAN by 10 mbps connectivity. It is controlled by remote server by Client-Server Architecture. Institute is having Wi-Fi facility. We have BSNL internet connection under NMEICT_VPN plan of 10 mbps. (Speedlink-32mbps, Railtel-10mbps). The printers, scanners are provided for office, department and in computer laboratories for students. CCTV cameras are available in college campus (including classes, labs) for surveillance purpose. Language lab is available for communication purpose with ETNL software for the students. All classrooms are facilitating with LCD projector for teaching and learning purpose.</p>	
File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.3.2 Student - Computer ratio	
Response: 1.78	
File Description	Document
Student - Computer ratio	View Document
Any additional information	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)	
<p><5 MBPS 5-20 MBPS 20-35 MBPS 35-50 MBPS Response: >=50 MBPS</p>	
File Description	Document
Details of available bandwidth of internet connection in the Institution	View Document
Additional information	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)	
---	--

Response: Yes	
File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document
Any additional information	View Document
Link to photographs	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 7.17

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

2016-17	2015-16	2014-15	2013-14	2012-13
1.31	2.18	20.12	35.76	13.09

File Description	Document
Any additional information	View Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document

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

Response:

Computer maintenance For maintenance of Computer in each department, Repair and Maintenance of Computer system is initiated by Laboratory In charge as and when required. As a precautionary measure laboratory in charge, along with laboratory assistant, ensures proper working of all computer's at the beginning of each semester. Like Updation of software, hardware parts cleaned regularly, use anti-virus and update windows. In case of any repair requirement, service is hired from outside agencies. For that HOD send request letter to the principal for demanding amount for the maintenance purpose. On the request and application received from HOD is verified by the authorized investigator after that amount is sanction to the HOD. After receiving amount all required parts are purchase and then lab assistant/ external agencies does the maintenance. After the maintenance of all computer system HOD submit the detail budget allocation of the sanction amount and if any amount is remaining then that amount is refund to the account section for further process. To maintain internet connectivity and network external agency is appointed. For Class Room General civil maintenance and upkeep of civil infrastructure is carried out by the Building department of the trust. For the maintenance of the class room, institute has given contract to an external agency. The institute has also appointed daily wages laborers for casual repairs of buildings and petty contractor for substantial works by calling quotation for the same. If any damage is found then civil department head send request letter to the principal for demanding amount for the maintenance of building. On the request and application received from HOD is verified by the authorized investigator after that amount is sanction to the HOD. After receiving amount all required material is purchase and external agency does the maintenance. After the maintenance of building

is done, HOD submit the detail budget allocation of the sanction amount and if any amount is remaining then that amount is refund to the account section for further process. Electrical Maintenance is looked after by Electrical Maintenance coordinator and his team. For Laboratory For maintenance of Laboratory in each department at the beginning of each semester laboratory in charge, along with laboratory assistant perform routine maintenance and check all equipment's and does the maintenance by oiling the equipment's, Check bearing lubrication and if any damage is found, repairs can be carried out by the Lab In-charge/ Lab assistant, however if the damage is too difficult for our in-house team to repair then we hire external agency to ensure that the repairs are carried out and the equipment remains safe. For that lab In-charge inform to the head of department then HOD send request letter to the principal for demanding amount for the maintenance purpose. On the request and application received from HOD is verified by the authorized investigator after that amount is sanction to the HOD. After receiving amount all required material is purchase lab assistant does the maintenance. After the maintenance of all equipment HOD submit the detail budget allocation of the sanction amount and if any amount is remaining then that amount is refund to the account section for further process. The maintenance of furniture items and metal fixtures of all laboratories is carried out by person from workshop section. For Sports For maintenance of sport complex of our institute, ground maintenance can be carried out by the sport In-charge with the help of peon. For rolling purpose of the ground external agency is appointed. And if any sport goods got damage then the sport In-charge glued/blowed that goods or in case if that goods is not repairable then sport In-charge purchase new one. For Library Library In-charge work along with Library assistant to identify the volumes with minor damage such as loose pages or loose hinges before they become major problems. Once damaged books have been identified then books are rebound or glued by the library binder.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 84.87

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
574	808	633	628	516

File Description	Document
Any additional information	View Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	View Document
upload self attested letter with the list of students sanctioned scholarships	View Document

5.1.2 Average percentage of students benefitted by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 11.82

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
94	99	83	92	67

File Description	Document
Number of students benefited by scholarships and freeships besides government schemes in last 5 years	View Document
Any additional information	View Document

5.1.3 Number of capability enhancement and development schemes –

- 1.For competitive examinations
- 2.Career counselling
- 3.Soft skill development
- 4.Remedial coaching

- 5. Language lab
- 6. Bridge courses
- 7. Yoga and meditation
- 8. Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: A. 7 or more of the above

File Description	Document
Any additional information	View Document
Details of capability enhancement and development schemes	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of student benefitted by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 9.8

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

2016-17	2015-16	2014-15	2013-14	2012-13
85	95	78	67	43

File Description	Document
Number of students benefitted by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 Average percentage of students benefitted by Vocational Education and Training (VET) during the last five years

Response: 6.2

5.1.5.1 Number of students attending VET year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
78	48	52	54	0

File Description	Document
Details of the students benefitted by VET	View Document
Any additional information	View Document

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Response: Yes

File Description	Document
Any additional information	View Document
Details of student grievances including sexual harassment and ragging cases	View Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 21.44

5.2.1.1 Number of outgoing students placed year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
39	33	32	24	0

File Description	Document
Self attested list of students placed	View Document
Any additional information	View Document
Details of student placement during the last five years	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 4.35

5.2.2.1 Number of outgoing students progressing to higher education

Response: 5

File Description	Document
Any additional information	View Document
Details of student progression to higher education	View Document

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: NET/SLET/GATE/ GMAT/CAT, GRE/ TOFEL/ Civil Services/State government examinations)**Response:** 1.4

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOFEL/Civil Services/State government examinations) year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
3	0	0	0	0

5.2.3.2 Number of students who have appeared for the exams year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
43	46	42	47	47

File Description	Document
Any additional information	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document
Upload supporting data for the same	View Document

5.3 Student Participation and Activities**5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national / international level (award for a team event should be counted as one) during the last five years.****Response:** 31

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 last five years

2016-17	2015-16	2014-15	2013-14	2012-13
7	5	6	7	6

File Description	Document
Any additional information	View Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document
e-copies of award letters and certificates	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

A Student Council is a representative structure through which works in partnership with college management and staff and parents for the benefit of the college and its students. In our institution the Student Representative Committee is to provide students with an opportunity to voice the views, suggestions and concerns of their points through the most appropriate channels. Our institution also acknowledges the important role that an active Student Representative Committee has in fostering a vibrant academic and social network. Our institution having self funded student committees which are follows the rules and regulation design by SGBAU Amravati. In student council there one student candidate is selected as general secretary and all student council members are class representation of respective class. General Secretary conducts regular meetings of class representation. General Secretary and class representatives have responsibility of monitoring and maintaining discipline and showing their class active participation in college activities. Student Council is one of the most active student organizations within our college. We plan most of the college largest events like annual social gathering, national level sports tournament, and celebration of Ganapati fest. Also by the means of student council we arrange various freedom fighters birth anniversary and anniversary. The main role of a Student Council as set out in the Education Act is "to promote the interests of the college and the involvement of students in the affairs of the college, in co-operation with the management, parents and teaching staff". General Secretary list showing the student council of last four years: Academic Year Name of Student Branch 2016-17 Shubham Mandwale COMP 2015-16 Niraj Koli COMP 2014-15 Mahesh Shingote MECH 2013-14 Raj Susare CIVIL 2012-13 Umesh Warade COMP We have student representatives in the following academic bodies: NSS Alumni Anti ragging committee Vishakha committee Placement & Alumni Cell. IQAC.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Response: 8.8

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
17	5	11	6	5

File Description	Document
Any additional information	View Document
Number of sports and cultural activities / competitions organised per year	View Document
Report of the event	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

In our institute having the alumni Association which is partially contribute in institute development and student progression and helping them to get a job. Institute takes Alumni Feedback to improve functioning and services of organization. Our alumni association works as partners to bridge the gap between the industry and academics. Alumni also support in placement and continue bringing good name to the organization. Through the alumni association there is so many guest lecture held in institute which is help student to boost up their knowledge and gain something new experience about recent trends. Also Alumni association contribute financially for taking an International Event in institution. In that way Alumni Association help to develop the Institute.

Year Branch Name of Alumni Date Activity

2015-16 Civil Uday Kasar 13/08/2015 Guest Lecture Comp Sachin Vyawahare 04/08/2015 Inside IT Guest Lecture Electrical Uday Sambhaji Patil 28/08/2015 Carrier Guidance EXTC Monica Tayade 12/08/2015 Guest Lecture on embedded system MECH Amir Khan 15/08/2015 Guest Lecture

2016-17 Civil Yogesh Gawatre 14/08/2016 Guest Lecture Comp Sapna Tayde 17/02/2017 SAP Guest Lecture EXTC Khyati Bhimjiyani 18/08/2016 Guest lecture on Career Guidance Electrical Uday Sambhaji Patil 14/08/2016 Guest Lecture Mech Vikrant Patil 20/08/2016 Guest Lecture

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5.4.2 Alumni contribution during the last five years

<1 Lakh

1 Lakh - 3 Lakhs

3 Lakhs - 4 Lakhs

4 Lakhs - 5 Lakhs

Response: 1 Lakh - 3 Lakhs

File Description	Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during last five years

Response: 5

5.4.3.1 Number of Alumni Association /Chapters meetings held year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

File Description	Document
Any additional information	View Document
Number of Alumni Association / Chapters meetings conducted during the last five years.	View Document
Report of the event	View Document

NAAC

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Response:

Vision To be an Organization providing quality Education to the masses to bring about a social change in the region by establishing and nurturing the technical, management and allied institutions to become center of excellence. Mission To nurture and maintain quality environment for academic excellence, research and development of entrepreneurship, through dedicated staff and transparent management for bringing about a social change, through affordable education. To impart holistic training to all students so that they develop right kind of attitude, knowledge & skills which will help them to serve the nation in a better way. To imbibe in the students, basic human values in order to help them, develop individually. To Provide education at reasonable expenditure, especially for middle class population. To provide up-to-date and trained professionals to industry who will serve as an entrepreneur and will lead their companies successfully. Nature of Governance:- Ø The administration of the institute is done by the Principal of the college on daily basis. Ø The administrative policy adopted by the college is Horizontal administrative Method i.e. principal to H.O.D and other representatives. The departments run their academic as per the university norms in relative autonomy manner. Ø The Head of the departments reports their departmental activity to the principal on regular basis. Ø The principal convenes meetings of H.O.D with IQAC members frequently regarding the improvement of the quality methodologies. Ø The Principal also arrange meetings with each departmental staff to discuss on matters of the faculty and interaction with them in personal level. Prospective Plan & Participation of Teachers in Decision Making: - Ø The college governs with set of constitution which sets out its mission and vision. Ø The Principal in consultation with the Governing Body and Local Management Committee and implements the Plan & Policy of the college from time to time. Ø The faculty also gets represented in this process as there are faculty members who are elected to the governing body and Local Management Committee for example. Mr. P.K Patil and Mr. M.Javed are the members of Governing Body and Mr. A Pateriya,, Mrs. V. N Patil and Mr. P.K Patil are also the members of the Local Management Committee, and all of them are also the faculty member as well. Governing Body:- Ø Governing Body not in the role of daily management, It includes setting and monitoring the institute mission, directions, Goals and Strategies and outcomes with in the Organization's constitutional boundary. Ø College Governing Body consists of 12 members among them two of the faculty members are also be included to form effective governance. Ø Ensures that the organization complies with all relevant policy and legal requirements Ø Recruiting and inducting new committee and other Board Members

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

Introduction:- The top management, principal and faculty work cohesively for progress of Institute, The Management and the principal, Deans, Head of the department and the cell coordinators jointly formulate the action plan for marching towards its vision of becoming center of excellence in technical education. The role of top management, Principal and faculty in design and implementation of quality policies in also reflected in organizing the Technical Event TECH TANTRA- 2017. Background:- The college Local Management Body was planned to organize the technical event in the year 2017 in the month of January. In conduction of the event successfully it has been decided to make involvement of every department. A meeting was held along with the local management body, Principal and head of the departments with the minutes to plan for organizing and estimate the budget for organizing the event. Objective: - Conduction of event smoothly in fragmented manner of involvement of individual faculty. To groom the Technical Skills and Talents of the students effectively. To explore the Leadership, Planning, Efficiently decision Making ability of the faculty members. Execution of the

Event: - The Principal, Dean academic and Head of the department decided to make the involvement of faculty members and distribute the event department wise headed by and under the principal guidance of the Dean Academic Mr P. D Chourey and Mr S.R Shekokar appointed as Program Convener. Appointed Mr. A Pateriya, Mr Girish Patil and Mr S. D Lawange as a member of technical Committee and also appoint a student Mr Shubham Mandwale as Event Coordinator The Events decided to be placed in the technical events are ROBO RACE, ROBO WAR, Seminar Presentation, Poster Presentation, Technical Quiz and Computer Gaming and decided to be conducted for two days from 27/01/17 to 28/01/17 The Convener took several Meeting with HODs to plan the event to be made successful and prepare the requirements to implement the same. The HODs of each department formed a committee, department wise followed by department faculty as the In-charges of specific events to be organized properly. The Program convener placed the budget of the event in front of the Local Management Committee and the proposal had been accepted and the amount of 1, 63,800/- has been sanctioned. Conduction of Event:- The Seminar Presentation had been conducted by Electrical department under the Staff Co- Ordinator Mr. Saurabh Thakare The Robo Race & Robo war had been conducted by Mechanical department under the Staff Co- ordinator Mr. M.Z Khan The Poster Presentation had been conducted by Civil department under the Staff Co- Ordinator Mr. Parag Chopde The Techno Quiz had been conducted by E &TC department under the Staff Co- Ordinator Mr. Umesh Wagh The Computer Gaming had been conducted by Computer Sc. Department under the Staff Co- Ordinator Mr. Anant Zhambre. Conclusion: - The event organized successfully and made an effective technical impact among students. Total 438 students had been participated in the event and show their technical potential and also the faculties showed their intellectual management capability and participate effectively to make the TECH TANTRA- 2017 successful.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

Introduction:- Our college was established since 2010 and we are growing towards the development on day by day and the power requirement also increased in a proportional manner. The energy requirements completely depends on the state electricity supply company "MahaVitaran".As the up gradation of the Lab and high load equipment purchased in advancement of the institute, The Bill cost is high and increasing manner, As a result, Padm. Dr VB Kolte college of Engineering initiated a step in collaboration with the Management, towards the issue and they started the process in order to minimize the cost by introducing the renewable energy to fulfill the requirement. Objective:- The main objective to mainframe the solar system introduced are Minimize the cost Generate the power and share with the local distribution board Utilize the roof top effectively and generate the energy to fulfill the power requirement of the institute Plan and Initiative Methods:- The problem was introduced by the principal Dr. A.W Kharche to the Local Management Body. Then the Local Management Body calls a meeting of all the Head of the departments. In the first meeting the minutes discussed on the how to minimize the cost of the electricity power and form a committee heading Mr. R.K Verma to study the case detail and find out some solutions. Two suggestion came from the committee after 3 weeks and they are i> install the capacitor bank locally to control the power factor which will result nearly 10% of the cost will be minimized ii> Install a Solar roof Plant which can be Installed in the roof top and it can fulfill the requirement and minimize the cost up to 60% with subsidy. The second proposal has been approved and passed by the local Management committee and put up in the governing body, then the governing body passed the proposal. The Local Management committee formed a executing body to implement the plant headed by Mr. R.K Verma Strategic Plan:- Following steps has been carried out by the team to implement the installation of roof top solar power plant. Calculated the average total annually requirement of power by the institute by analyzing the bill i.e. 56,200 KW. Estimated the approximate power requirement to minimize the cost. Estimated the approximate value of generation of solar plant to fulfill the estimated requirement with economically expenditure i.e. 25 KW /hr. Then the detailed report had been passed in the meeting and decided to implement a 125 KW/day solar

power system at roof top of the building to fulfill 75% of power requirement i.e. 45000 KW per year. As per the above estimated value college called the quotations from various companies and finalized the SHRIAUNSH RENEWABLE ENERGY LLP, Pune The company came and demonstrate the roof top and did the installation and commissioning of the solar system at the roof top, The work had been carried out for around 3 weeks. The final system has been integrated with the existing system and the line has been charged on 16th of March 2017. Conclusion:- The solar system is currently working effectively . As our college in the trend of development, therefore the main pull back factor has been overcome through installing the solar power system at the roof top.

File Description	Document
Any additional information	View Document
Strategic Plan and deployment documents on the website	View Document
Link for Additional Information	View Document

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

Functions & Repnibility Internal Quality he Internal Quality Assurance Cell is responsible for handling all the activities like feedback for improving the quality of performance by the institute. Governance & he e-Governance & Admin Cell is primarily responsible for computerization of all academic, financial and administrative activities related with the College, AICTE, DTE, SGBAU, SSS PNS, SWD, VYWS and any other government agency. nrollment & Student Welfare Cell he Enrollments & Student Affairs Cell is responsible for all the affairs related with the students like Students Council, Student's Magazine, Students Anti-Ragging Cell and Students enrollments. Examination Cell he Examination Cell is mainly responsible for all types of internal and external evaluations including theory and practical examinations. The Examination & Quality Assurance Cell Coordinator coordinates the institute's curricular activities with examinations by preparing academic and exam calendar. Innovation & Entrepreneurship Development Cell The Innovation & Entrepreneurship Development Cell (IEDC) is not only responsible for establishing healthy relationship with the industry but also explore the possibilities of setting up SSI unit under the aegis of the Lok Sewa Shikshan Bahhuddeshiya Mandal, Malkapur. The main objective of the cell aims at spearheading entrepreneurship movement and creating self-employment opportunities. National Services Scheme Cell National Service Scheme (NSS) is playing an important role in enriching the souls and minds of the students. The overall objective of this National Service Scheme is 'Education and Service' to the society and by the society. The students joining this scheme develop many behavioral interactive skills. They visit the rural areas as NSS volunteers during the camps organized by the college. The NSS volunteers take initiative in developing a Technocratic Environment and also help the underprivileged people to develop themselves. Unnat Bharat Abhiyan Cell Unnat Bharat Abhiyan Cell is responsible for conducting activities outside the institute to create awareness among the people regarding of government the advancement strategies. Placement & Alumni Cell The Placement & Alumni Cell is primarily responsible for the activities related with campus placements and alumni Women Development & Grievance Cell The Women Development & Grievance Cell is responsible for women counseling activities across the institute including the counseling of the girls students, lady faculty and lady staff. The welfare shall include the personal as well as social welfare of the girl students. Skill Development Cell Skill Development Cell is responsible for arranging skill development training sessions in institute by the sources inside the institute for the institute and for the students outside the institute. Recruitment process The establishment section of the Institute floats an advertisement, looking at the requirement of staff-teaching, support, non-teaching in newspapers and on website. On receiving the applications, those fulfilling the criteria are called for Interview by an Interview panel consisting of the Principal, HOD, subject expert and Representation from the Management. The Committee finalizes the candidates looking at the academic record and performance in interviews. Grievance Redressal Committees Grievance Redressal Committees have been constituted desperately in respect of staff and students with senior faculty as chairman and staff as members of respective committee as given below. Details of various committee members Cell to deal with redressal of

Grievance of students. Cell to deal with redressal of faculty Grievances. Cell to deal with a redressal of grievances of non-teaching staff. The grievance of the individual will be given fair and reasonable opportunity to be heard in detail before the chairman and other members of the concerned committee in a peaceful and conciliatory environment depending upon the issue if need to be, appropriate evidence in the form of a material evidence or personal witness may be introduced by the aggrieved person. The chairman of the committee, in constitution with the members will submit the report principal, to the at the earliest possible time. The principal in turn, depending nature, magnitude and jurisdiction of the issue, will arrange for the appropriate and early measure of redressal of grievance, under the management and same will be communicate to the 'aggrieved person'. The evaluation at the college level is done by the concerned teacher teaching the subject. The concerned teacher addresses these grievances in person. In case it cannot be handled by the teacher the next level of escalation is Faculty advisor, then Head of the department and further if the need be the Principal.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2.3 Implementation of e-governance in areas of operation: 1.Planning and Development 2. Administration 3. Finance and Accounts 4. Student Admission and Support 5.Examination

- A. All 5 of the above**
B. Any 4 of the above
C. Any 3 of the above
D. Any 2 of the above
Response: A. All 5 of the above

File Description	Document
Any additional information	View Document
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	View Document
Screen shots of user interfaces	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

Innovation & Entrepreneurship Development Cell The Innovation & Entrepreneurship Development Cell (IEDC) is not only responsible for establishing healthy relationship with the industry but also explore the possibilities of setting up SSI unit under the aegis of the Lok Sewa Shikshan Bahhuddeshiya Mandal, Malkapur. The main objective of the cell aims at spearheading entrepreneurship movement and creating self-employment opportunities. In this cell organizes some program like carrier guidance program and entrepreneurship awareness camp etc. for the beneficiary of final year students to help by the placement Placement & Alumni Cell The Placement & Alumni Cell is primarily responsible for the activities related with campus placements and alumni. This cell also work final year students the beneficiary of the campus placemats. And to organize some program i.e. carrier guidance program, soft skill development, personality development etc. Programme background Successful activity conducted in collaboration with the Innovation & Entrepreneurship Development Cell and Placement & Alumni Cell, which helps students to get place in reputed industries or to prepare for interview with full confidence or to go for higher education in renowned organization, we are organize carrier guidance programme on dated 26/09/2014 to 28/09/2014 for the beneficiary of third & final year students through the placement. Organization of this program starts with some primary meeting which includes detailed planning of program, schedule preparation for three days, finalization of Eminent speakers from academia and industries such as Dr.A.W.Kharche (Academician), Hemant Purohit (Industry Manager), Sayyad Vajahat Ali

Rifaquat Ali, Mr. M.A.Nasim (Industry Specialist) proposal preparation for fund to MHRDS BOAT WR-MUMBAI, Responsibility work allotted to college staff for smooth conduction of whole programs etc. Introduction Introduction: Career Guidance and the School-to-Work Transition Much has been written about the difficulties young people face when transitioning from their role as a student in school to an adult in the workplace. Traditional educational systems often do not provide the knowledge and skills demanded by the modern labor market, leaving youth with a gap in terms of both hard and soft skills that reduces their opportunities for employment. Additional vocational and life skills training,. One aspect of this difficult transition that is not often addressed, however, is the need for career guidance to assist youth in making informed educational and professional choices about their future, and facilitate their successful transition to the world of work. Career guidance services provide youth with the tools they need to understand their skills and interests, form a career plan, and get started on the steps to achieve this plan. Young people who benefit from these services will find themselves better equipped to undertake a structured and strategic job search, and ultimately pursue a meaningful, rewarding career. Career guidance is particularly important for youth at risk who often do not receive this support through their schools, families, or personal networks and lack the information to make career choices. They may also struggle to overcome additional barriers, including incomplete educational qualifications, psychosocial issues, and poverty. Although these youth may feel forced to rush directly into looking for work to start earning money, benefitting from career guidance will in fact help them to be more successful in finding and holding onto a job that will allow them to support themselves and their families Target group Career Guidance program was designed to target youth from third and final year students ,who were unemployed or under-employed, and unsure about their next steps or options available for pursuing their education and/or securing employment. A minimum educational requirement of functional literacy and completion of primary college . was instituted to ensure youth would be able to participate in training activities. Youth from low socio-economic backgrounds with varying levels of educational attainment were included,. less successful than women academically, less likely to look for academic/training opportunities, and more likely to disengage from society and be in conflict with the law. Training and Services The training cycle provided under the Career Guidance Program covered a total three day period. This included life skills training, which encompasses a variety of topics from personal competencies to healthy behaviors to employability skills, and was adapted. Particular emphasis was given to lessons on managing conflict, healthy lifestyles, and CV writing, as these were seen to be specific needs of the beneficiary population. One day was devoted to career testing to match participants' personality, skills, and interests with various career tracks. Several career tests were used, most importantly . It was originally planned that youth would be identified to pursue either an "education track" or a "job readiness track" and would only take part in one of the two corresponding workshops, but experience showed that all youth had needs in both areas, and it was best to pursue the two tracks in combination. Participants were also able to take part in one-on-one coaching sessions, in which they conducted a Strengths, Weaknesses, Opportunities and Threats (SWOT) analysis of their skills and received individualized support with the job search process, CV preparation, and mock interviews. Program Outcomes A follow-up study of program participants, conducted by an external evaluator, found that a large number of the program's graduates were better equipped to make decisions about their career and future, and to take the steps necessary to achieve their goals. In particular, the study found that 74 percent of unemployed youth have actively engaged in a job search, taking the first step to finding meaningful and rewarding work. Moreover, 54 percent of youth reported that after completing the program, they have a clear idea of the schools and resources for continuing their education. This illustrates the program's success in instilling in beneficiaries the importance of education and a desire to continue their education during a relatively short period of time. Another important measure for evaluating the success of the Career Guidance program is the level of participants' satisfaction—particularly given many young people's lack of understanding of the importance of a career guidance program at its outset

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.3 Faculty Empowerment Strategies

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

Response:

Effective welfare measures for teaching staff Faculty improvement higher education Faculty Attending number of FDP programme Attend and present research papers in National/International conferences. Publish research papers in recognized journals. Attend skill enhancement activities like seminars/ guest lecture/ Faculty Development Programs. Faculty organized for National / International conference/ workshop. Enabling staff to make use of latest equipment through awareness program. Faculty gives Awards by national and international events Faculty gives extra time for other than college time Various promotions under career advancement scheme. Teacher pupil interaction that makes the lesson concept interesting to students Appropriate eliciting strategies (such as brain storming, Group Discussion & Pupil initiated questioning) based on pupils experiences Teaching subject result should be improve Any fund received by government and non-government agencies Number of consultancy project start in our institute Effective welfare measures for Non-teaching staff Knowledge of specific job requirement Knowledge of appropriate methods , practices and procedure Set priorities, plan and execute duties and responsibilities in logical and systematic manners Usage time, resources and energies effectively to achieve goals extra time given other than college time

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response: 9.67

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 last five years

2016-17	2015-16	2014-15	2013-14	2012-13
11	9	5	3	6

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc. during the last five years	View Document
Any additional information	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 1.8

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
3	1	2	1	2

File Description	Document
Any additional information	View Document
Reports of Academic Staff College or similar centers	View Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers attending professional development programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programme during the last five years

Response: 60.01

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
55	18	45	47	40

File Description	Document
Any additional information	View Document
IQAC report summary	View Document
Details of of teachers attending professional development programs during the last five years	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

The college designed an "Annual Self-Assessment for the Performance Based Appraisal System (PBAS)" to evaluate the annual appraisal of the faculty members and appraise them as per their individual performance in the following performance evaluation factor. The PBAS system adopts the SWOC analysis method. The final outcome of the PBAS system is the decision taken by the local management committee by analyzing the PBAS report of the employees. The performance evaluation factor is divided in to mainly 2 types i> Primary Factor ii> Secondary Factors. Primary Performance Evaluation Factor:- Functional & Technical Skills Communication Skills Problem solving & Decision Making Teaching-learning evaluation related activities, Co-curricular, extension, professional development related activities, Research, publications and academic contributions, and Result performance of their respective subject. Other credential, significant contributions with respect to the session and organization. Secondary Performance Evaluation Factor:- Punctuality and regularity. Attitude to words work Perceptivity and sensitivity Initiative Innovation and creativity Job knowledge Following steps carried out to evaluate Performance Appraisal for Faculty Members The Appraisal report prepared by the faculty on the basis of the appraisal factors as mentioned above, has been submitted to the IQAC committee annually The IQAC committee examines the report of each and every faculty and give their remarks The report then forwarded to the Principal and put off the remarks.. The Principal along with the local management committee go through the report and analyze the report using the SWOC analysis. The Local Management committee then decides appropriate incentives to the faculties on the basis of their performance

File Description	Document
Any additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

POLICY It is the policy of this institution to establish and support an internal auditing department as an independent appraisal function to examine and evaluate Institute activities as a service to management and the Board of Governors. The Office of Internal Audit (IA) and External Audit reports administratively to the President and functionally to the Audit Subcommittee of the Executive Committee of the Board of Governors and provides an assessment of the Institute's internal control environment and risks. **MISSION** The mission of the Office of Internal Audit is to provide an independent, objective assurance and consulting activity designed to add value and improve the Institute's operations. The Office of Internal Audit aims to help the Institute accomplish its objectives by bringing a systematic, disciplined approach to evaluate and improve the effectiveness of risk management, control, and governance processes. **AUTHORITY** To accomplish its assigned responsibilities, IA has full access to all Institute records, properties and personnel, and is free, within its scope, to review plans, systems, procedures and records. **SERVICES** The Office of Internal Audit audits for internal controls related to: Compliance with policies and procedures, laws, and regulations Accomplishment of goals and objectives and authorization of transactions Reliability and accuracy of data Efficiency and effectiveness of operations and the economical use of resources Safeguarding of assets Fraud prevention and detection In conducting its work, IA performs the following services: Audits: Both internal and External Audits are scheduled annually based on assessed risk or by management request. Audits are more detailed in nature and are intended to provide a certain level of assurance on the adequacy of internal controls for the business unit or process and may encompass various business processes. The scope of all audits may be integrated to include audit procedures which may include the following engagement types and scope: Operational – effectiveness and efficiency of operations and the economical use of resources Financial – fiscal management and the validity, accuracy, and proper accounting of financial transactions Compliance – compliance with state, and/or local laws and regulations, and Institute or other applicable policies, procedures, and contractual requirements Reviews: Higher level engagements addressing a specific concern or activity and is intended to provide a basic level of understanding of the process and its internal controls for the improvement of institution. Procedures may include trend analysis, Consulting: Engagements conducted at the request of or in collaboration with management to review specific processes and provide advice on policy development, operations, internal controls, system development initiatives, process improvements, and an array of other financial matters of the institutions. Compliance: IA serves as the Institute's liaison to coordinate, monitor, respond to, and report on all external audits, reviews and site visits. Management is required to report to IA the notification of any compliance activities they may receive from external agencies/auditors. IA will collaborate with the unit management to provide assistance to external auditors, to prepare the departmental auditee(s) for the visit, and write the response to all external audit reports. **AUDIT FILES** All documentation obtained during the course of an IA/EA engagement are the property of institutions. Requests for audit files and reports must be made in writing to the Associate Vice President and Chief Audit Executive (CAE). **AUDIT REPORTS** Upon completion of an audit, review, or investigation, IA will provide management with a draft report that will include IA's findings and recommendations. Management must provide IA with a response to the findings and recommendations within 20 calendar days. The final IA report will be distributed electronically to senior and departmental management and others as deemed appropriate. Copies of IA's reports will also be provided to the external auditors and the Audit Subcommittee of the Board of Governors. **FOLLOW-UP** IA will follow up with management to ensure that all of management's action plans are implemented within the prescribed time frames. The status of all open items will be reported to management on a yearly basis and to the President and the Audit Subcommittee of the Board of Governors on a quarterly basis. **PROFESSIONAL STANDARDS** Internal Audit complies with the Institute policies and procedures and various professional accounting, auditing, investigative and information technology standards, which include, but are not limited to the following: • The Institute of Internal Auditors (IIA) • The Information Systems Audit and Control Association (formally known as ISACA) • The Association of Certified Fraud Examiners (ACFE) • The Institute of Chartered Accountants of India (ICAI) • State Government where applicable Task Responsibility

Process Requesting IA Services Unit Management Email the IA AVP/CAE and include the following: Unit or process Type of IA service needed Desired timing Justification for the request IA AVP/CAE Provide management with a response to the request and plan the engagement accordingly. Notification of External Audits, Reviews, and Site Visits Unit Management Email the IA Quality Assurance Manager and include the following: Agency name Auditors' names Proposed date(s) Copy of any written correspondence Unit name, account number(s), grant(s) or contract(s) involved Grant/contract award amount Grant/contract term Documentation request list Internal Audit Conduct a pre-audit meeting with the unit management. Include a representative from Sponsored Program Administration (SPA) if a grant or contract. Coordinate the audit with the external agency and other personnel as needed. Attend meetings with management and the external auditors as needed. Obtain support for all potential findings. Prepare all audit responses in collaboration with unit management and others as needed. Submit the final response to the external auditors. Report all external audits to the President, senior management, the external auditors, and the Audit Subcommittee of the Board of Governors. Follow up on management's action plans to ensure they are implemented in compliance with the external auditor's recommendations. Engaging External Auditors Internal Audit Serves as the lead liaison for all Institute external audit services. Collaborates with the President, Audit Subcommittee, and the Chief Financial Officer on the external audit services needed. Collaborates with the Procurement and Strategic Sourcing (PSS) department, and other unit management as needed.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropers during the last five years (not covered in Criterion III)

Response: 5.75

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropers year wise during last five years (INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
1.10	1.25	1.05	1.20	1.15

File Description	Document
Annual statements of accounts	View Document
Any additional information	View Document
Details of Funds / Grants received from non-government bodies during the last five years	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

A plan is prepared at the beginning of every financial year for proper utilization of financial resources. Institute has well defined mechanism to monitor effective and efficient use of available resources. Management takes care of the collection of tuition fees, salary distribution, tax payment, loan distribution, preparing purchase orders for the laboratory equipment, teaching aids, etc. Every financial transaction is recorded. All procedures and dealings are computerized through software. Quotations are evaluated on the basis of cost and quality and principle of competitive bidding. After comparison, purchase order on the suitable vendor is issued. The following three types of accounts are operated: Receipts & Payment Accounts. Income & Expenditure

Accounts. Balance Sheets. Each and every transaction is supported by the vouchers and bills. All the collections are deposited directly in the bank and all expenditure on recurring and non-recurring, are incurred through cheques. Internal audit is done periodically. The external audit is done by the Chartered Accountant before the session comes to an end. For efficient use of the financial resources, the budget is formulated. Account section looks after the following types of payments/expenditures: Recurring Non-recurring There is also a purchase committee for approval to purchases and development of infrastructure. Following are the members of Purchase Committee: Case Study of mobilization of funds and the optimal utilization of resources "ENTERPRENEURSHIP DEVELOPMENT CELL:-DST-NIMAT PROJECT 2016-2017" Padm. Dr. V. B. Kolte College of Engineering & Polytechnic, Malkapur sending proposal to conducting Programme by DST NIMAT Project 2016-17 EDI Ahmadabad, NSTEDB New, Delhi India Sponsored Three days Programme Scheduled of Entrepreneurship Awareness Camps (EAC) on Academic year 2016-17 we are sending proposal to EDI Ahmedabad & we are continuously working from this body from last two year so in this year they are sanctioned four entrepreneurship awareness camp Programme for this academic year SANCTION LETTER NO. & DATE: EDI/DST-NIMAT/16-17/RLS-1/178, signing Agreement on the date of 7/07/2016. Sanctioned fund amount Rs.80, 000/- initially they are releasing 70% fund after completion of four Programme remaining fund released. After getting sanction letter we are make Action plan according to this plan we conduct following Programme below scheduled Programme 14 sept to 16 sept 2016 for our Polytechnic second year student participating 75 student 19 Dec to 21 Dec 2016 B.sc & M.sc students at G.G.Khadse college Muktainagar participating 75 students 22 Jan to 24 Jan 2017 for our B.E. Final year participating 81 students 16 Feb to 18 Feb 2017 for D.Pharm and M.Pharm student at pharmacy college malkapur Participating 93 students For this above Programme we are manage to conducting session different faculty in industrial area, academic professionals, bank manager, personality development and motivational speaker & industrial visits. List of faculty conducting sessions Dr.Prakash G. Chandak,Dr.A.W.Kharche, Mr.Anup Puranik, Mr.Mohan Pachpande,Mr.S.S.Dawange, Mr.M.J, Deshpande, Mr.N.E.Patil,Mr.Rushil Gove ,Mr. Jayesh Zilthe, Mr. Manish Gupta etc. successfully co-ordinate by programme Prof. S.R.Shekokar &Prof. R.M.Choudhari as programme co ordiator this Programme is helpful to start up own business .

File Description	Document
Any additional information	View Document
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

Response:

1)NEWSLETTER OF IQAC: QUALITY INITIATIVES & ENDEAVOURS Goal: The main aim of the practice is to get maximum involvement of all the stakeholders by providing them complete information about the activities of the IQAC. The basic principle underlying this approach is that if the people involved in any productive activity are well informed, the participation index and involvement grows at a higher pace. The Context: While emphasizing the need for dissemination of information about the plans and prospects of the working of IQAC, it was very important in the very first year of accreditation to inform the people and create awareness among themselves about the underlying need of moving into the post accreditation era. Without any appropriate and suitable financial & administrative setup and attitudinal strengths, the process of creating awareness was very cumbersome. With only the zeal and motivation to work as the desired force available with the institution and with only one goal to move along the aspirations of NAAC, the principal and the co-ordinator moved towards getting all the stakeholders involved with the optimum use of the minimum possible resources with the tool of an IQAC newsletter. The Practice: The institution with a clear motive to make optimum use of the resources available, developed a self-devised system of providing information about the activities of the NAAC in the accreditation scenario. The principal and coordinator of the college decided to prepare a document that could provide a complete and clear information about the activities of the NAAC, IQAC and the role of the college in the accreditation setup. A small document of only four pages was prepared which included the introduction and background of the accreditation process of the college, vision and mission of college, concept, objectives and

function of the IQAC, plan chalked out, objectives and targets accomplished, recent milestones and future plans. The whole document was prepared by IQAC coordinator and published. The copies were distributed among all the faculty members, office staff, non teaching employees, Alumni association incharge and some copies kept in library reading room for use of students. The copies of this leaflet were also displayed on the different notice boards. The cost of the newsletter titled "Quality initiatives and Endeavours" was less but the impact and response was enormous. A moderate effort on the part of the institution to get maximum out of minimum. A leaflet was released by the director, public instruction, Malkapur. It was a very successful endeavour as everyone having a stake in the institution got information about the institution's accreditation efforts for quality enhancement as well as motivated all to work collectively and effectively for the accomplishment of the future plans. This shows that small and moderate efforts, made with clear vision and motives, can do wonders. Problem Encountered and resources required: Being a private college and having so many financial, administrative and other handicaps. The various endeavours aimed at quality sustenance and enhancement face some problems. But the attitude and motivation of even a few persons connected with quality pursuits is enough to march forward. This was an innovative exercise devised by the college requiring less amount of finances. So, no serious problems were faced while implementing this practice. The efforts of the principal and motivated faculty members paid rich dividends. Notes: The adoption of this practice and other quality related initiatives undertaken by the institution have proved that the small and moderate people at small places can do wonders and create a congenial atmosphere for all the stakeholders. IQAC Initiative: Students as Important Stakeholders in Quality Goal: To involve all the stakeholders in the quality initiatives of the College and to be a transparent institution to the students as major stakeholders. The Context: The growth and success of the institution involves the participation of the students as an important stakeholder in the planning, decision-making and implementation process. The college has decided to involve the students, who are one of the major stakeholders in Higher Education. With the involvement of the students, the institution will benefit in the overall functioning of its activities; as a result, there will be a quality enhancement in the institution as well as in the functioning of the students' council. The Practice: It is a herculean task to obtain the inputs on a continuous basis from all the 1861 students of the college. Hence, we have a democratically elected Students Council which meets on the last Wednesday of every month. The Principal addresses them with the relevant initiatives. The Students Council comprises of a boy and a girl representative of each class, headed by a Chairman and Vice-chairperson and a Secretary. The student representatives and office bearers are elected from among those who are academically fit and without any disciplinary action against them. The teachers of the various departments in the capacity of tutors also discuss matters with the students. The recommendations, suggestions and the requests of the students are placed before appropriate committees for approval. The response of the students obtained through the feedback also acts as an important input in all our efforts. Since IQAC has representatives from all the committees and bodies of the College, a fruitful integration and co-ordination of policies is possible. Evidence of Success: It is a controlled democracy, wherein the students are drawn into the process of policymaking and implementation. It serves as a constant forum for expressing their appeals and grievances. The College has gained on a continuous basis through this on-going mechanism of student-administration interaction. Problems encountered and Resources required: Since the date and time are fixed for the year, the problem of the students not attending the meeting is very remote. However, since the student strength in the college is more than 1800, having a Single Students' Council for all the programs would be impractical and not truly representative. Hence the college has started to add students in various committees of college like IQAC cell, Training & Alumni cell etc. This has proved to be very effective. Time becomes a constraint, when the Principal has to conduct meetings of various committees on the same day. However, this has been overcome by the Principal earmarking the last Wednesday of every month exclusively for these meetings. Allocation of funds and monitoring of its use is done by the Principal and the respective Staff-in-charge. Contact Details: The Principal Padm.Dr.V.B.Kolte College of Engineering, Malkapur-443101, Maharashtra India. Telephone: (07267) 224943, 226700 Email: coemalkapur@rediffmail.com

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Response:

Quality of Academic program is sustained through: Teaching learning process: 1. Teachers are encouraged to use electronic teaching aids such as LCD etc. wherever necessary. Students' opinion on teaching effectiveness is taken on 2 different occasions. First is at the end of 4 weeks of instruction, second at the time of 14th week of instruction. These two feedbacks are shared with the faculty members concerned so that mid-course corrections can be taken up by the faculty concerned. The faculty members are counseled if their feedback score is not up to the mark. This is ensuring effectiveness in teaching and hence the quality. In order to make the students self learners, the college has been preparing and distributing course files and lab manuals to all the students. a) Course files - give the syllabus content, lecture schedules, rudiments of each of the units in the subject concerned. This gives overall idea and also indicates the depth up to which the study is expected to be carried out. The end exam questions (both long answer and short answer types) are also incorporated in the course files so that the students will solve these problems and get an idea of effectiveness in answering the question papers. b) Lab manuals – these are prepared for each of the laboratory which the students go through and given to every student. This manual gives the list of the experiments to be carried out, the aim of each experiment, the equipment used, the theory and procedure for doing experiment and glimpses of the analysis of the results are indicated. Thus the students are expected to read before hand so that when the students go to the laboratory, they can straight away conduct experiments, analyse the results and draw conclusions. c) Visual aids – OHPs are provided in every class room and the teachers are trained to use visual aids effectively. LCD Projector is made available in seminar halls and in the respective departments for teachers if they wish to use. Recently college started fixing LCDs almost in all class rooms. 2. Daily monitoring of teachers' attendance and their taking classes allotted to them as per time table. No class remains free without a teacher any day. If any teacher has taken leave or absent due to any reason, the concerned teacher/HoD is required to make the alternative arrangement for taking his class. This ensures that students are provided instruction by teachers' whole day without a gap. This ensures discipline and also helps completion of syllabus in time. 3. Ensuring effective learning in the VBKCOE , mid tests are conducted 3 times in a semester which is leading to better concentration on the part of the students to understand and assimilate the subject. Besides this, 3 assignments are being given in each semester in each subject so that the students will have to do similar study for his/her end examinations which promotes student centered learning. A novel initiative is also taken for giving some weightage to attendance. In the UG programme, where the sessional marks are 10, 5 marks are allocated for attendance and 5 marks for the assignment submission. This is promoting students' attendance enormously and hence the academic environment is improving. 4. Daily monitoring of attendance in each class of each student and reporting the same to parents. Problems of continuous absence of anyone are also taken up with their parents. Quite often we call the parents for advising them on seriousness of shortages in attendance which may result in detaining of the student, causing loss of an academic year. 5. HODs monitor the progress course coverage on each theory and practical class, thus ensuring uniform course coverage matching with the Mid-test requirement. HoDs make sure that tutorials and assignments are regularly conducted as per time schedules. The college ensures maintenance of exam schedules for Mid-test as well as semester examinations. 6. Effective evaluation: As stated above, the evaluation in each theory subject is as follows: Sessional marks - 10 + 5M for student's performance +5M for attendance End semester Exams - 80 Total - 100 7. Encouragement for R&D: Teaching and Research must go together. With this aim, research is promoted by the college in the following ways and means: Teachers are given 6 months leave to complete their work during their Ph.D work. Encouragement for publication of papers in international journals based on the impact factor of the journal. ISTE membership and subscription with all transactions to access: Senior professors of the department are given membership by the college and all transactions are subscribed to library which is helping all the teachers and PG students to use them for their research work. Recently comfort with Ph.D. degree four members & total four members are pursuing. This is helping to promote research culture in the college among the teaching community which will definitely have a bearing on the teaching process. The main strategies for innovation in teaching learning and evaluation are as follows: a) Updating the curriculum content to match with the requirements in job market, national priorities, and global direction in technological development. b) Creating a conducive teaching learning environment with class rooms equipped with modern tools like visual facilities, good ambience in the class rooms, continuous monitoring of progress in lecture schedules matching with the examination pattern. c) Regular feedback from students on teaching effectiveness is paving the way for mid-course corrections through counseling. d) Creating modern supporting infrastructure like library equipped with, digital library, which provide online access to large number of national/international technical journals. Wi-Fi, internet are made available in the campus. e) Well defined rules and regulations of conducting examination and maintaining high level of confidentiality through various measures from the start of paper setting to the end of declaration of results. The scheme of evaluation includes increased number of assignments, mid-sessional tests and weightage given to attendance. This has influence on effectiveness in learning. f) A right balance in internal and external examinations (20 & 80 Marks respectively) 8. Encourage

the staff for applying research projects to funding agencies like MHRD'S BOAT, DST etc. 9. Encourage all the staff to register for Ph.D. qualification and publish papers in Conferences/journals. Financial & non-financial incentives are given to faculty & staff to carry out research work. Further staff members are given TA/DA, registration fee, etc. to attend the conferences to present the papers. The faculty are given cash incentives for publishing research papers in national and international journals. 10. The faculty is provided adequate time/duty leave to interact with external guides for their research work. Every teacher spends 2 hours extra in the college in a week to accelerate their work. 11. The college invested adequate funds in developing infrastructure of test equipment's, hardware, software tools (beyond practical labs requirement of curriculum) to support internal R&D and project work. 12. Arranging guest lectures by the eminent professors from form other colleges and researchers from Industries and R&D organizations. 13. All the departments in the institution conduct seminars, workshops, conferences in their areas of academic interests on regular basis for the benefit of staff to engage themselves in research activity.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 2.4

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
4	1	4	0	3

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
Any additional information	View Document
IQAC link	View Document

6.5.4 Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
- 2.Academic Administrative Audit (AAA) and initiation of follow up action
- 3.Participation in NIRF
- 4.ISO Certification
- 5.NBA or any other quality audit

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A. Any 4 of the above

File Description	Document
Any additional information	View Document
Details of Quality assurance initiatives of the institution	View Document
e-copies of the accreditations and certifications	View Document
Annual reports of institution	View Document

6.5.5 Incremental improvements made for the preceding five years with regard to quality (*in case of first cycle*) and post accreditation quality initiatives (*second and subsequent cycles*)

Response:

The Institution's move towards the CBCS system greatly helped the learners to choose from an array of Allied Optional subjects. The students successfully adopted an interdisciplinary approach to learning that enabled them to choose additional courses to acquire more than the required credits. Progressive University Test conducted to improved the results of students in university examination. National / International Level conference are organized successfully in order to create research environment among staff as well as students. We are constantly trying to conduct funded programs under various government/ non-government agencies in order to empower student's capabilities. Various MOU's are signed in last few years with government and private organization to generate revenue for institution through various consultancy testing projects. Administrative and Academic audits are conducted every year through external experts as well as Institutional Higher Authorities for SWOC Analysis of institution. New courses of diploma and P.G. Level in order to enriched the institutional environment. Online feedback has been started in order to development of E-governance system. Field projects, implant training & summer vacation trainings are implemented in order to make students aware of industrial exposure. ICT enabled lab has been introduced to enriched teaching learning process. GATE qualified and Ph.d faculties are available in campus to developed research environment. At around 100% enrolled students are availing benefits of scholarship from various government schemes. Various Alumni programs are conducted through Alumni fund. In order to save electricity, Solar system implemented in college campus.

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 10

7.1.1.1 Number of gender equity promotion programs organized by the institution year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2	2	2	2	2

File Description	Document
Any additional information	View Document
Report of the event	View Document
List of gender equity promotion programs organized by the institution	View Document

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:

- 1. Safety and Security**
- 2. Counselling**
- 3. Common Room**

Response:

a) Safety & Security: College building & Campus & Girls hostel are protected by CCTV cameras. Security guard is appointed for girls hostel & College building College Campus is razing free Fire extinguisher are available at each floor of the building Different comities & cells are formed for complain, suggestions &for solution of the issues Medical room is available and yearly medical checkup facility available Neat and clean hygienic environment is maintained in the college keeping in mind health of students. Women Development cell arranges for talks by Doctors on issues related to Body hygiene and health Water coolers are equipped with Water Purifiers b) Counseling: Regular expert & guest lecturers & career guidance program are conducted for students. Mentoring & Grievance cell is available for betterment of student parent faculty healthy relationship Personality and skill development classes are organized by in-house and experts for overall development of the students. c) Common Room: Girls common room having all facility including facility of sanitary napkins vending machine etc. Boys & girls common room are regularly inspected by the respective committees. Initiatives for gender sensitivity: Regular personal n professional counseling facility is available at college where students can come daily at particular time and discuss their problem with the experts about their issues. Regular Feedback and problem discussion facility available in both the hostels (boys & girls) which helps students to be move freely and build confidence in themselves to feel safe within campus and out of the campus. Anti ragging committee visit both hostel and interact with students in college campus regularly. This helps institution to bring safety and security in campus and hostel both. Conduct regular gender sensitization programs in every 6month this bring gender equity in the students. Offer employment and gives equal opportunities for all. Also promote students for higher education to girls also. Conduct awareness program for sexual harassment.

File Description	Document
Any additional information	View Document

7.1.3 Alternate Energy initiatives such as:**1. Percentage of annual power requirement of the Institution met by the renewable energy sources****Response:** 0.08

7.1.3.1 Annual power requirement met by the renewable energy sources (In Kilowatt)

Response: 45

7.1.3.2 Total annual power requirement (In Kilowatt)

Response: 56278

File Description	Document
Any additional information	View Document
Details of power requirement of the Institution met by renewable energy sources	View Document
Link for Additional Information	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs**Response:** 0.03

7.1.4.1 Annual lighting power requirement met through LED bulbs (In Kilowatt)

Response: 17

7.1.4.2 Annual lighting power requirement (In Kilowatt)

Response: 56278

File Description	Document
Details of of lighting power requirements met through LED bulbs	View Document
Any additional information	View Document

7.1.5 Waste Management steps including:

- Solid waste management
- Liquid waste management
- E-waste management

Response:

Waste Management :- Solid waste management In order to manage the solid waste institute took grand initiative to provide the waste of iron and other type of machine waste is given to the workshop or students for implementing their projects related with the course. Other material nut-bolt is also use in project components.

The garbage is used for making the composted fertilizers which can provided to plants in the garden. E- Waste management This waste includes the discarded keyboards, CPU, & other equipments. Which take in hardware lab for the knowledge about the internal parts of the component. This is E-waste is available in the hard ware lab for the basic knowledge and practical knowledge enhancement of the student. Some the equipments are reuse for maintenance purposes. Liquid waste The liquid waste that is mainly we get in the institute is the waste water coming from toilet and bathrooms has been drained out of the college in the local area sewages. Other types of liquid waste like oil are re used in workshops and labs for over oiling of the machines and in workshop machines.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Rain water harvesting is a method used to collect, convey and store rain water for later use. The institute took a step in order to implement rain water harvesting. This implementation is done near the boys hostel of the institute. Under this a huge pit at boy's hostel campus was dig which can store a large amount of rain water. This pit is also connected through pipes outlets with roof of the hostel building from where maximum water can be filled in the pit. Which is further can use for the domestic daily use and nearby garden of the hostel for irrigation of the plants and after filtering the water can also used for drinking. The water storage of rain water also helpful to increase ground water level. At this local area everyone is suffering for drinking water and for the other usages of water. This step of water harvesting is very helpful to overcome from the shortage of water for all purposes.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.7 Green Practices

- **Students, staff using**
 - a) **Bicycles**
 - b) **Public Transport**
 - c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

Green Practices Bicycle In our college maximum students use bicycle for reaching the college , we are suggest the student to use bicycle due to that pollution should be avoided & traffic should be minimize. And for that our college provided the separate bicycle stand for keeping the bicycle in parking. **Public transport** In our college most of student travels in public transport such as bus or railways so our college provided the bus & railway passes to the both girls as well as boys. **Pedestrian's friendly roads** In our college college we provide the pedestrian rights-of-way for walking purpose. In college campus there is cement-concrete road are available & which are neat & clean . **Plastic free campus** Our college campus is free from plastic ,we provide the dustbin at every place & due to the use of dustbin there is no any type of waste plastic in campus & we suggest & aware the staff as well as students to avoid most of use of plastic. **Green landscaping with trees and plants** Our college campus is cover with green plants & trees in that various types of tress are planted. In front of college there is the garden is available, due to the greenery there is fresh air & good environment created.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 1.46

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year wise during last five years(INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
0.06889	0.2566	7.158	7.132	0.244

File Description	Document
Details of expenditure on green initiatives and waste management during the last five years	View Document
Green audit report	View Document
Any additional information	View Document

7.1.9 Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: A. 7 and more of the above

File Description	Document
Any additional information	View Document
Resources available in the institution for Divyangjan	View Document
link to photos and videos of facilities for divyangjan	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the

last five years**Response: 8**

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2	2	1	2	1

File Description	Document
Any additional information	View Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)**Response: 10**

7.1.11.1 Number of initiatives taken to engage with and contribute to local community during year wise during last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2	2	2	2	2

File Description	Document
Any additional information	View Document
Details of initiatives taken to engage with local community during the last five years	View Document
Report of the event	View Document

7.1.12**Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff****Response: Yes**

File Description	Document
Any additional information	View Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document

7.1.13 Display of core values in the institution and on its website

Response: Yes	
File Description	Document
Any additional information	View Document
Provide URL of website that displays core values	View Document

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations	
Response: Yes	
File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document
Any additional information	View Document

7.1.15 The institution offers a course on Human Values and professional ethics	
Response: Yes	
File Description	Document
Any additional information	View Document
Provide link to Courses on Human Values and professional ethics on Institutional website	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions	
Response: Yes	
File Description	Document
Any additional information	View Document
Provide URL of supporting documents to prove institution functions as per professional code	View Document

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years	
Response: 4	
File Description	Document
Any additional information	View Document
List of activities conducted for promotion of universal values	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities**Response:**

Our institute regularly celebrates the birth anniversaries of Indian Personality like Mahatma Gandhi, Babasaheb Ambedkar, M. Visvesvariya, Dr.Sarvpalli Radhakrishnan, Chhtrapati Shivaji, etc. on such occasion our institution head and all teaching staff & Non-teaching staff gather together on memory of these great personalities of the nation, Remember them and their efforts towards the nation and take pledge to follow them. Our institute also celebrates Independence Day & Republic Day every year the flag hosting ceremony is kept for students & staff in front of the college at morning, we salute the national flag and sing the national anthem . The sweets is distributed for all guest.

File Description	Document
Any additional information	View Document

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions**Response:**

Administration: For the transparency of the administration institute is having a soft ware named Biryani Technologies which provide the facility to reduce the faculties and able to work more efficiently with less time and with less mistake. The software is available in the library. Finance & Accounts: for the account & finance transparency the institute is having the most updated soft ware of Tally which is one of the best software for the originality of the finance and accounts. This software is best for counting. Student Admission and Supports: Admission of the student in institute is done by norms, rules and conditions of DTE Maharashtra. In each and every year process gets change but every data is send to DTE Maharashtra as process is online in which registration and confirmation is done directly by the student and record is available at DTE site. Examination: Forms are submitted online registration and confirmation is done by students. The software available in the institute QPDS. For the keeping the data & maintain the record.

File Description	Document
Any additional information	View Document

7.2 Best Practices**7.2.1 State at least two institutional best practices (as per NAAC template)****Response:**

Best Practice: Green Campus through Student Participation The context Inadequate environmental standards and lack of implementation of environmental laws create a challenging problem in creating awareness about environmental hazards. By developing informed citizenry expertise with hands on interactive approach with environmental, social and economic concern; the physical viability of the campus is being maintained as a balanced environment. This pedagogically expanded innovative art program would be unparalleled in its effectiveness and appeal when it is being operated in the campus located at Malkapur. The place is well known for its water scanty rainfall and poor vegetation. It runs into few acres, ideally a small building with civic amenities. The objectives of The practice To enable the learners to be aware of increased resource consumption without impairing the Environment conservation of various pools of genetic resources of plants improved land use practices Proper waste management system Conservation of energy by harnessing solar energy Maintenance of balanced environment The practice Indeed, green is often the compelling colour around, a well-managed green park spreading in 9692 square-meter with 1000 trees, a herbal garden with hundreds of plants and a green house where the rare endangered plant species raised by Plant Tissue Culture Technology are being hardened and conserved. Besides, the majestic, magnificent and esthetically designed

blocks with all attendant facilities of the campus with adequate spacing and with several hundreds of trees. A few gardens / lawns give better learning atmosphere. Under the supervision of an Institutional Committee, the greenery of the campus is being maintained by the NSS Volunteers. In addition, some green parks are also being maintained by the Alumni Forum. Gardening is being done without chemical mixtures by using the composting of the solid waste generated in the campus. While working together, the spirit of team work is being accomplished with socially relevant (environment–Management) modern educational technology. It also facilitates the culture of harmony and cooperation among students in the campus, which is imperative for effective functioning of any Institution. the solar panels are mounted to harness the solar energy. Thus the clean and greener environment is being maintained by both the Management and students which gives shrine environment for learning. Obstacles faced if any and strategies adopted to overcome them The one seemingly insurmountable obstacle mainly, water, is being managed by the following means: Irrigating / gardens Domestic waste water Plantation of lack resistant plants Operation of rain water harvest plants Raised bunds to maintain watersheds Maintenance of ground water level by pond construction and. poly bag free environment which would interfere with the seepage of rainwater. The next most critical obstacle is maturing the crops for sustained yield and protection. This problem is being effectively managed by the use of compost of solid waste digesters and vermin composting manufactured by students. Impact of the Practice: It is being witnessed by the greenery of the campus and constant the water supply which mainly depends on underground water, even in acute summer to the stake holders about 400in numbers. Resources required: Financial input, student's participation, faculty advice and good Management practices. Best Practice: Involvement of Alumni in Student Development The context There is a need to make students aware of new career trends in the job market like public sector, government job, industries etc. New skill- based courses that can create better job opportunities for undergraduate students and postgraduate need to be introduced. The experience of alumni in the public sector, government job, industries of work may help in addressing this need, especially in the industries, where there are many influential old students in key positions. The objectives To establish partnership between alumni and Management (Padm. Dr. V. B. Kolte College of Engineering, Malkapur) in the on-going development of the college. Our institute having the alumni Association which is partially contribute in institute development and student progression and helping them to get a job. Institute takes Alumni Feedback to improve functioning and services of organization. Our alumni association works as partners to bridge the gap between the industry and academics. Alumni also support in placement and continue bringing good name to the organization. The alumni association there is so many guest lecture held in institute which is help student to boost up their knowledge and gain something new experience about recent trends. The practice Regular meetings are scheduled between the alumni (office bearers) and the college management. Alumni are involved in the planning, feasibility studies, finance generation plans and the implementation of the new projects and professional courses of study in the college. At the beginning of each academic session, the office bearers of the alumni associations work out details of the Career Guidance Cell of the college. Their involvement as guest lecturers is co-ordinated with the activities of the local Rotary unit that oversees its operations. Some alumni members form part of the team that helps to prepare students for entry into banking, UPSC and defense services. Presently a course on Human Rights is a new addition. Obstacles faced if any and strategies adopted to overcome them Efforts are required to keep track of alumni and encourage them to participate. Impact of the practice The involvement of alumni has strengthened the association with students further. The Alumni Association contributes significantly to the development of the institution through financial and non-financial means during the every years for taking an International Event in institution. In that way Alumni Association help to develop the Institute.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

The College is expected to prepare responsible, employable and adult citizens of tomorrow. Since institute structures have taken care mainly of teaching, learning and evaluation, we felt the need of structures for overall development of students. The goal of the College, as expressed in the Prospectus is, to provide students with an environment for the all-round development of their mental, physical, social and spiritual potentials, together with the attitudes of integrity, hard-work, honesty, fairness and tolerance; so that, they give off their very best to bring out various talents of students and use them for their betterment. A group of staff members have voluntarily taken up responsibility for quality assurance and all round development of the students. Thus the new students come in contact with this group at the time of admissions. Soon after the admissions, this group conducts an orientation program for two days for the new students. The orientation program gives an opportunity to new students to come to know the seniors in a friendly, helpful atmosphere. This set up channels their energies in the right direction, setting up a ragging-free atmosphere. Two hours on every Saturday are reserved for "student activities". There are also annual activities of the College. The Practices carried out by the colleges are Practice 1. Alumina Participated in various events and helped the college in various way by involved in the meeting conducted by the college regularly and also show the opportunity the students. This practice involve a good relationship between the passed out student and the institute management for the development of the institute. The organization regularly take the feedback from the alumni student for the betterment of the college. This practice is also made a good co-ordination between the institute and industries. The alumni association brings more opportunities for new students of our institute in the industries. Alumni students help institute in all manner to grow. The alumni association regularly visit and interact with student to share their knowledge and experiences to improve their studies and also help students to go in co-operate sector. Alumni organization also take feedback from students for improve their organization to help institute to develop and grow competitively.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5. CONCLUSION

Additional Information :

Additional Information:

VBKCOE is a place where student is the first and foremost entity. As an educational service provider, we are committed to make our students comfortable in their learning endeavor. The institute has emerged as an educational hub in the rural region of Vidarbha.

We do not teach different courses, we do teach the courses differently thereby simplifying the education and amplifying the knowledge. The goal of our institute is to build the image of this college as a great institute of engineering, technology, management and research ... A unique place for engineering and management education that focuses equally on both mind and personality of the students. The institute is aiming to become a Global Knowledge Enterprise in the future. In this context institute is providing the world class educational Environment, Infrastructure, Amenities with value oriented teaching.

The of VBKCOE would like to assure the aspirant that we will be in the service of the Nation with a continuous feed of Young, Dynamic, Sincere, Social, Sensitive Entrepreneurs and Professionals.

Concluding Remarks :

This document addresses not only the priorities but also the implementation process aimed at achieving the goals within the priorities. Implementation requires the ideas and commitment of the faculty and staff, and continuous input from students. The following actions are essential in achieving the success of the implementation process:

- The Board of Trustees will hold senior administration accountable for execution of the plan and achievement of the milestones.
- All constituents of our institute will contribute to improving the financial strength of the institute, which is our number one priority.
- The faculty and the staff will be responsible for establishing a culture of innovation and excellence, and committing to diversity and a respectful work environment as core values of our institution.
- The president and provost will allocate resources in a strategic manner to ensure that staff and faculty will have the resources necessary to implement the plan.
- Our alumni will be engaged in the quality improvement plan of institute and also contribute in overall development of students through guest lecture, entrepreneurship awareness programs, workshop etc.