SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

GOVERNMENT COLLEGE OF ENGINEERING JALGAON

NATIONAL HIGHWAY NO. 9, JALGAON
425002
www.gcoej.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

January 2018

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Government College of Engineering Jalgaon was established in the year 1996 by State Government of Maharashtra to fulfll the needs of North Maharashtra region with three courses viz. Mechanical Engineering, Electronics and Telecommunication Engineering and Instrumentation Engineering leading to graduation in Engineering and was affiliated to North Maharashtra University.

The institute offered two additional undergraduate courses viz. Computer Engineering and Electrical Engineering in 2007. Again the institute offered two additional courses, one undergraduate Civil Engineering and one post-graduate course in Electronics and Telecommunication Engineering in 2010.

The institute became autonomous since July 2014. The institute had successfully completed TEQIP II project undertaken by Govt. of India and Government of Maharashtra from 2012 to 2017.

The institute is governed by Board of Governor (BOG) appointed by Govt. of Maharashtra. The administrative and financial policies are approved at the Board of Governor while academic policies are approved at Academic Council. All the committees have been constituted as per the UGC guidelines for autonomous colleges.

Vision

Vision:

Globally Acceptable Engineers with Human Skills

Mission

Mission:

To promote overall development of students by creating excellent learning environment.

To develop undergraduate and post graduate programmes through effective linkages with industry, academia and alumni.

To promote services to community and revenue generation for sustainable development.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

Academic autonomy.

Young, dedicated and disciplined, highly qualified faculty members.

Meritorious Entrants.

Excellent Academic Results.

Disciplined and Enthusiastic Students.

Good Environment for all Round Development of Students.

Transparent and Proactive management.

College with secured campus with CCTV surveillance system.

National Knowledge Network connectivity and campus-wide networking with Wi-Fi campus.

Library with e-books, e-journals, book bank facility.

Team work culture.

Encouraging work environment for faculty and staff.

24×7 reading room.

Support to faculty for pursuing higher studies leading to Ph.D.

University recognized Ph.D. research center for Civil Engineering, Electronics and

Telecommunication Engineering.

MoUs with industries/academic organizations for student centric programs.

Participative governance with representation of students, staff & faculty at various levels.

Institutional Weakness

Shortage of faculty at higher position.

Lack of built up area for expansion activities.

Limited and unskilled supporting staff.

Limited administrative/financial powers at institute level.

Less in-campus placement in core companies.

Less number of industries in nearby area for consultancy.

Percentage of faculty members involved in research and consultancy activities is less.

Facility of incubation centre, entrepreneurship development cell are not available.

Participation of alumni in the overall development of the college is less.

Lack of built up area for expansion activities.

Limited and unskilled supporting staff.

Limited administrative/Financial powers at institute level.

Institutional Opportunity

Opportunity to emerge as a role model in the field of engineering education adapting best pedagogic practices.

Good scope for community services in the economically and socially backward areas.

Involving industries for curriculum development, student projects, internships to enhance employability skills of the students.

Enhancement in entrepreneurship activities with the help of industries.

Academic flexibility in terms of credit transfer/choice based courses offered within and beyond the institute.

Explore alumni involvement in academic & placement activities.

Development of E-learning resources.

Opportunity to start post graduate courses Mechanical, Instrumentation. Departments.

Opportunity to start research centers in Mechanical, Instrumentation and Electrical .Departments.

Institutional Challenge

Administrative delay in releasing the funds for infrastructural developments.

Rapid development of established private engineering colleges, deemed universities.

Influx of foreign Universities due to Liberalization, Privatization and Globalization.

Strengthen the Industry Institute Interaction cell for placement of the students.

Development of infrastructure.

Diverse socio economic backgrounds of students.

Coping up with rapidly changing technologies.

Attracting research grants, sponsored projects, research projects from funding agencies.

Establishment of Centre of Excellence of national repute.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The curricula and syllabus under autonomous are prescribed by the board of studies and academic council of the college, which constitutes external academicians, industrial experts, alumni and the senior faculty as members. Based on industry and student feedbacks the curricula are updated time to time. The college offers some value added courses to its students, apart from the curriculum. Provisions are made in the academic regulation to submit mini-projects in the courses wherever possible.

Teaching-learning and Evaluation

The college has well qualified faculty team including 15 Ph.D holders and others with PG qualifications and some have registered for Ph.D. The teaching-learning process aims at achieving not only academic/ professional development of the students but also their overall personality. The academic and research environment fosters the professional development of the faculty. Orientation programme for freshers, motivation programmes and bridge courses, etc are conducted. Guest lectures by eminent personalities in the relevant area, workshops, mini projects and industrial visits are also modes of imparting quality education. Well planned academic calendar, detailed course plans by the faculty members ensure the smooth functioning of the teaching-learning process. Progress of the courses and quality of teaching are evaluated based on the class visits by the higher authorities and feedback from the students. Slow learners are given special attention by counseling and conducting extra classes to improve and sustain their performance. Internal Continuous Assessments ensures the sustained academic progress of the students. Several faculty development programmes have been conducted to impart teaching skills and enhance the knowledge of the faculty members. Question papers are set in order to test the various knowledge contents of the students. Well structured examination and evaluation system and the effective use of automation ensures transparency, secured and timely announcement of the results.

Research, Innovations and Extension

The college motivates the PG qualified faculty members to pursue research activities apart from teaching. As a result, 7 of the faculty members have currently registered for Ph.D. in various universities. The college also motivates them to undertake research projects/consultancy and extension activities apart from teaching. To nurture research culture among the faculty, several research related workshops/ seminars are being conducted.

The research carried out by the faculty has resulted in publication of 191 research papers during the last 4 years.

The faculty and students of the college take part in extension activities by conducting national level conferences, faculty development programmes, short term courses, guest lectures and other social activities. The moral and social responsibilities receive trust through extension activities conducted by various committees. Our extension activities include Blood Donation Camps, Health Camp, Tree Plantation and other environment awareness programmes. The college has signed Memorandum of Understandings (MoU) with 13 Industries and academic institutions.

Infrastructure and Learning Resources

The college has a total built-up area of 26265.05 Sq.mts. Each department has Lecture halls, well-equipped Laboratories, Drawing halls wherever needed, and a department-library. State-of-the art facilities like LAN, National Knowledge Network connectivity with more than 150 Mbps, Wi-Fi connectivity, NPTEL online learning facility and AV equipments are provided to facilitate teaching/learning through ICT. The College houses an AC Seminar hall with 200 capacity, a conference room for conducting meetings, RO water plants, hostels, canteen, health centre, play grounds, gymnasium, Examination cell, placement cell, a guest house, stationary stores, first-aid boxes, etc. The College Library, which spans around 935.37 Sq.m (Carpet area and reading space) acts as a major learning resource. It has about 34939 volumes of books and also subscribes 60 national journals. The e-journals Scidirect, IEEE ,ASME, ASCE ,SPRINGER, McGRAW HILL EBOOKS(200), are available and can be accessed through internet. The Library operation is automated through 'SLIM' softwares. Hostel facility is available for both boys and girls. Two Boys hostel has 180 rooms and two girls hostel has 100 rooms. College is in the heart of city and transport is available.

Student Support and Progression

The college gives special attention to overall development of students by creating a conducive learning atmosphere which actively supports their co-curricular and extracurricular activities and helps in the demonstration of their talents. The College helps the students to avail both central and state government scholarships based on caste and economical status, merit scholarships, etc. The students are given an academic calendar and a booklet containing detailed regulations, curriculum and syllabus, at the beginning of the academic year. Around 460 students are availing hostel facility. In order to inculcate professionalism, the faculty members facilitate them to enroll in professional societies of their choice. The students are motivated to participate in workshops, conferences, symposiums, sports and games, social activities etc. Many students have won prizes/awards in those activities and have brought laurels to the college. The Training and Placement Cell of the college conducts several training programmes in order to place students placement. The placement record of the college has been showing an increasing trend for the past four years through both on-campus and off-campus recruitment drives.

Governance, Leadership and Management

The effective governance, leadership and management of the college boast an unambiguous administration setup in imparting quality technical education. The College is headed by the Principal and assisted by the Directors, Dean (Acad), Heads of Departments, Controller of Examinations, Staff in-charges of various technical/social events and Coordinators of various committees. The management, principal, HODs and the faculty members of various committees contribute to decision making, pertaining to academics and other related work in a transparent manner. The college activities are governed by various bodies like Board of Management, Academic Council, Board of Studies, Finance Committee, Question Papers Moderation committee, Examination committee, etc. The automation facilities are extensively used in the administration, Office of the Controller of Examinations, Library, Online Learning, etc. Systematic norms and procedures are followed in budgeting and purchase. The expenses and purchases are audited by external qualified Auditors. Academic and examination activities are audited periodically by both internal and external committees

Institutional Values and Best Practices

Some of the innovations and best practices followed in the college include: ? Extensive use of ICT facilities, providing learning aids through NPTEL modules, automation in students' management, library management, and examination system provide systematic and streamlined access to precise and accurate information. ? Encouragement for research activities and paper publications in journals and conferences. Representation of students in Board of Studies, introducing Communication Skills / General Proficiency, Technical Seminar, conducting Faculty Development Programmes (FDPs) for the benefit of faculty members. Energy conservation approaches, rain-water harvesting, waste-water recycling, parking lots for vehicles, prohibiting smoking and making a tobacco-free campus, maintaining the eco-friendly green campus are some of the features of the college

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	GOVERNMENT COLLEGE OF ENGINEERING JALGAON
Address	National Highway No. 9, Jalgaon
City	Jalgaon
State	Maharashtra
Pin	425002
Website	www.gcoej.ac.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	Rewatkumar Pithuji Borkar	0257-2281522	9403931770	0257-2281319	princoej@rediffmail.com
Associate Professor	Atul Raghunandan Phadke	0257-2280535	8888108570	-	phadkeatul@gmail.com

Status of the Institution	
Institution Status	Government

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details	

Date of Establishment, Prior to the Grant of 'Autonomy'	20-07-1996
Date of grant of 'Autonomy' to the College by UGC	19-06-2014

University to which the college is affiliated

State	University name	Document
Maharashtra	North Maharashtra University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	02-03-2012	View Document
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	

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	National Highway No. 9, Jalgaon	Urban	19.38	24000

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	BTech,Mechanical Engineering	48	HSCScience AND MHCET	English	63	63
UG	BTech,Electronics And Telecommunication Engineering	48	HSC SCIENCE AND MHCET	English	63	58
UG	BTech,Instrumentation Engineering	48	HSC SCIENCE AND MHCET	English	63	38
UG	BTech,Electrical Engineering	48	HSC SCIENCE AND MHCET	English	63	61
UG	BTech,Computer Engineering	48	HSC SCIENCE AND MHCET	English	63	63
UG	BTech,Civil Engineering	48	HSC SCIENCE AND MHCET	English	63	63
PG	Mtech,Electronics And Telecommunication Engineering	24	GATE	English	18	5

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				11				24				64
Recruited	4	0	0	4	7	0	0	7	28	13	0	41
Yet to Recruit				7				17				23
Sanctioned by the Management/Society or Other Authorized Bodies				0				0				0
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit				0				0				0

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				61
Recruited	29	6	0	35
Yet to Recruit				26
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				26
Recruited	18	8	0	26
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	4	0	0	5	0	0	3	1	0	13
M.Phil.	0	0	0	0	0	0	0	1	0	1
PG	0	0	0	2	0	0	25	11	0	38

Temporary Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
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**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
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**
	22	40	0	62

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	239	5	0	0	244
	Female	102	0	0	0	102
	Others	0	0	0	0	0
PG	Male	2	0	0	0	2
	Female	3	0	0	0	3
	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	32	38	38	38
	Female	16	22	22	14
	Others	0	0	0	0
ST	Male	13	14	14	14
	Female	8	6	6	7
	Others	0	0	0	0
OBC	Male	122	144	144	144
	Female	59	66	66	67
	Others	0	0	0	0
General	Male	76	76	76	70
	Female	24	23	23	21
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		350	389	389	375

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Civil Engineering	[View Document](#)
Computer Engineering	[View Document](#)
Electrical Engineering	[View Document](#)
Electronics And Telecommunication Engineering	[View Document](#)
Electronics And Telecommunication Engineering	[View Document](#)
Instrumentation Engineering	[View Document](#)
Mechanical Engineering	[View Document](#)

3. Extended Profile

3.1 Program

Number of programs offered year-wise for last five years

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

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

Response : 7

How many self-financed Programs does the institution offer

Response : 0

Number of new programmes introduced during the last five years, if any

Response : 0

Number of UG programmes offered by the College, which are not covered under the Autonomous status of UGC

Response : 0

Number of PG programmes offered by the College, which are not covered under Autonomous status of UGC

Response : 0

Whether the College is offering professional programme

Response : No

3.2 Students

Number of students year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1578	1675	1706	1752	1736

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

2016-17	2015-16	2014-15	2013-14	2012-13
430	437	463	490	387

Total number of outgoing / final year students

Response : 2207

Number of students appeared in the examination conducted by the Institution, year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1596	1675	1706	1752	1736

Number of revaluation applications year-wise during the last 5 years

2016-17	2015-16	2014-15	2013-14	2012-13
1734	866	240	1	1

3.3 Teachers

Number of courses in all programs year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
547	547	547	414	414

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

Response : 547

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

2016-17	2015-16	2014-15	2013-14	2012-13
72	57	38	43	44

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

Response : 90

Number of teachers recognized as guides during the last five years

Response : 1

Number of sanctioned posts year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
99	99	99	99	77

Total number of publications during the last 5 years, which are included in online databases such as SCOPUS, web of science or PubMed/ Indian Citation Index

Response : 192

3.4 Institution

Number of eligible applications received for admissions to all the programs year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1500	1500	1500	1500	1500

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

2016-17	2015-16	2014-15	2013-14	2012-13
189	189	189	189	189

Total number of classrooms and seminar halls

Response : 18

Total number of computers in the campus for academic purpose

Response : 743

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

2016-17	2015-16	2014-15	2013-14	2012-13
816.25	286.76	483.09	361.94	253.18

Annual lighting power requirement (in KWH)

Response : 17400

Annual power requirement of the institution (in KWH)

Response : 35000

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

1.1.1 Curricula developed /adopted have relevance to the local/ national / regional/global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all the program offered by the Institution

Response:

The Government College of Engineering, Jalgaon (M.S.) established in the year 1996 witnessed a phenomenal growth during its graceful existence for past 21 years. Having begun from mere 03 disciplines with intake of 180 students the college presently rolls over 1600 students. It imparts engineering educations at UG level in six disciplines viz. Civil, Mechanical, Electrical, Electronics & Telecommunications, Instrumentation and Computer Engineering. It also offers a post graduate course in Electronics & Telecommunication (Digital Systems). It attained an autonomous status w.e.f. academic year 2014-15. Following up timely guidelines of AICTE and UGC, the college academic council has defined its structure and curriculum for various undergraduate and postgraduate level engineering programs.

·The design of entire curriculum is done with a focus on meeting the mission and vision of institute. To cover the global aspect of vision, for process of designing the curriculum, the college has involved and valued the opinions of assorted stakeholders, such as academicians of repute, experts from industries, employers, and alumni working in all vital sectors at responsible positions. Reviewing and justified modification of the curriculum is done by means of consistent feedbacks collected from these stakeholders.

Principle objective of the curriculum and its design is to disseminate the state-of-art knowledge considering emerging socio-technical scenario of engineering education with due focuses on balancing in-field opportunities and various skills required. This naturally leads to attainment of mission and vision of the institute.

With an uphold belief that students can be taught to think and learn independently to be competent and confident the complete flow of academia is streamlined. Aptly designed course objectives work and fit better under program specific objectives. At apex level, program objectives undertake due considerations regarding implementation and execution of all programs effectively and thereby reaching the ultimate goals of the institute.

The college academic council oversee the inclusion of skill-development and value-addition courses to enrich the curricula. Addition of specific methodologies like self-studies and surprise tests imparts distinct edge to quality of academic assessment. In house trainings, industrial visits and execution of MoU's with leading industries and academic institutions also accelerates the progress of the students and college as a whole.

1.1.2 Percentage of programs where syllabus revision was carried out during the last five years

Response: 100

1.1.2.1 How many programs were revised out of total number of programs offered during the last five years

Response: 07

File Description	Document
Minutes of relevant Academic Council/BOS meeting	View Document
Details of program syllabus revision in last 5 years	View Document

1.1.3 Average percentage of courses having focus on Employability/ Entrepreneurship/ Skill development during the last five years

Response: 55.7

1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
270	270	270	270	270

File Description	Document
Program/ Curriculum/ Syllabus of the courses	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Average percentage of courses having focus on employability/ entrepreneurship	View Document

1.2 Academic Flexibility

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

Response: 16.82

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

Response: 92

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	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: 07

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	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:

The institute takes care of integrating various crucial issues like Gender, Environment and Sustainability, Human Values and Professional Ethics into the curriculum. To effectively cater these issues, the institute has effectively framed various audit courses in accordance with the above mentioned issues which are mandatory for students. This vital aspect is dealt with as follows:

Gender

Students irrespective of their genders together participate in various co-curricular activities such as workshops, paper presentations, project competitions, organization of paper contests, group discussions, technical quiz programs and various such group cultural activities. They are involved in various due organisations associated with academic, co-curricular and extracurricular activities to nullify gender inequality. Institute arranges various programs based on the theme like 'Save Girl Child' campaign rally, Yoga day, Taekwondo, Personality development program for girls.

Environment and Sustainability

The curriculum is enriched with an apt inclusion of subject titled 'Environmental Studies' in viewpoint of students understand technical aspects of dealing with environmental hazards and their complementary role

as a community. In addition to this various departments viz. civil, electrical and mechanical engineering have subjects like Automobile Engineering, Renewable Energy Sources dealing with climate changes, pollution & their control. Students arrange Tree Plantation, Swachha Bharat Abhiyan, and similar such awareness oriented activities.

Human Values and Professional Ethics

Institute offers the specific subject titled "General proficiency" as a part of curriculum to imbibe professional ethics in students. It also offers the subjects like Human Resources and Economics, Humanities, Social Sciences and Management to ensure proper inclusion of human values in students. Apart from this, various skill development programs like hands on practice sessions, professional software courses and trainings on various subjects which are related to employability are regularly conducted at institute. With a focused consideration on student's career point of view, Institute has signed MoU's with various organizations and institutes viz. IGTR Aurangabad, VNIT Nagpur, SGGS Nanded, VI Automation, Pune, Technocrat's Control System Pvt. Ltd. (TCSIDL) Nashik.

File Description	Document
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	[View Document](#)
Any additional information	[View Document](#)

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

Response: 14

1.3.2.1 How many new value-added courses are added within the last 5 years

Response: 14

File Description	Document
List of value added courses	[View Document](#)

1.3.3 Average percentage of students enrolled in the courses under 1.3.2 above

Response: 30.9

1.3.3.1 Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1268	137	503	595	44

File Description	Document
List of students enrolled	[View Document](#)

1.3.4 Percentage of students undertaking field projects / internships

Response: 101.14

1.3.4.1 Number of students undertaking field projects or internships

Response: 1596

File Description	Document
List of programs and number of students undertaking field projects / internships	[View Document](#)
Any additional information	[View Document](#)

1.4 Feedback System

1.4.1 Structured feedback received 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 above

B. Any 3 of above

C. Any 2 of above

D. Any 1 of above

Response: A. Any 4 of above

File Description	Document
Any additional information	[View Document](#)
Action taken report of the Institution on feedback report as stated in the minutes of 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 Enrollment and Profile

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

Response: 0.38

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

2016-17	2015-16	2014-15	2013-14	2012-13
4	8	7	7	6

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 Demand Ratio(Average of last five years)

Response: 3.79

2.1.2.1 Number of seats available year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
396	396	396	396	396

File Description	Document
Demand Ratio (Average of Last five years)	[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: 100

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

2016-17	2015-16	2014-15	2013-14	2012-13
189	189	189	189	189

File Description	Document
Average percentage of seats filled against seats reserved	[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:

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

In order to assess the needs of students in terms of academics the college implements the following:

1. In the first year (at the time of entry) students with low qualifying score (CET, AIEEE/ JEE) are given additional inputs through remedial classes in subjects like mathematics, Engineering Graphics, Engineering Mechanics, Basic Electrical Engineering, basic Electronics Engineering, Computer Fundamentals or any other course as per students demand to bring them at par with other students.
2. The need of remedial classes is also decided on the basis of result of In Semester Examinations (ISE-I and ISE-II). Remedial classes are scheduled for low scoring students and other students are also advised to attend those classes to make their concepts more clear
3. Mentor is appointed for a batch of 20-22 students who take care of all students and mentors them to choose remedial classes or additional audit course/program in or out of the institute.
4. The Heads each program gives an orientation lecture to students on/before commencement of second year, to orient them towards the program so that they are mentally equipped to face the demands of the program.
5. The scheme of mentor and remedial classes is implemented for higher classes also as per the demand of students.
6. Students are given value added inputs from first year itself till final year in terms of guest/expert lectures, additional training programs in skill development, industrial lectures, industrial visits, sponsored projects, etc.
7. In our curriculum of UG program, it is mandatory that each student shall earn minimum 12 audit points through co-curricular and extra-curricular activities to become eligible to receive degree and there is no limit on maximum audit point. It helps for all round development of students. It motivates slow learners to work hard and earn minimum required audit points while fast learners can earn more audit points and enrich their technical and non technical skills.

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

2.2.2 Student - Full time teacher ratio	
Response: 22.17	
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: 1.08	
2.2.3.1 Number of differently abled students on rolls	
Response: 17	
File Description	**Document**
List of students(differently abled)	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[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

Response:

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

1. The list of student centric methods like experiential learning, problem solving methodologies etc being used by the institute is as given   below.

  i) Presentations

  ii) Short Group Discussions

iii) QEEE Lectures

iv) In semester Assignments

v) Seminar

vi) Quiz

vii) Mini project

viii) Case studies

ix) Tutorials in addition

x) Industrial Visits

xi) Student internship programs,

xii) Skill development programs

xiii) Industrial Trainings

xiv) Expert Talks

xv) Self Study

2. All the faculty members of the institute use suitable one or more student centric methods for effective teaching learning process. Its details are given in the table No 2. 8. The list of faculty members using suitable student centric methods is available in the institute.

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

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

Response: 72.22

2.3.2.1 Number of teachers using ICT

Response: 52

File Description	Document
List of teachers (using ICT for teaching)	View Document
Any additional information	View Document

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

Response: 21.92

2.3.3.1 Number of mentors

Response: 72

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

2.3.4 Preparation and adherence to Academic Calendar and Teaching plans by the institution

Response:

2.3.4 Preparation and adherence of Academic Calendar and Teaching plans by institutions.

1. Detailed academic calendar indicating all activities to performed by students and faculty members is being prepared well in advance and then is discussed, modified (if required) and then approved in academic program evaluation committee and finally in the academic council. The approved academic calendar is uploaded on institute's website and displayed on the institutional/departmental notice board to enable all students to aware of all academic activities before/at the time of commencement of academic year. Institute is striving hard for the adherence of the academic calendar and it can be seen from execution chart that commencement of classes, all examinations and declaration of result is never differed from the date of academic calendar.
2. It is mandatory to all faculty members to prepare teaching plan and submit its copy to HoD. In general the teaching plan is known to students as the copy of teaching plan is displayed on departmental notice board or shown to students in class in the beginning.
3. All academic calendars of last five years are available on institute's website.
4. Most of the teaching plans are available with institute.and on weblink http://naac.ac.in/NAAC/criterion-2/2.3

2.4 Teacher Profile and Quality

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

Response: 53.85

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](#)
Any additional information	[View Document](#)

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

Response: 11.4

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

2016-17	2015-16	2014-15	2013-14	2012-13
12	5	5	4	4

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	[View Document](#)
Any additional information	[View Document](#)

2.4.3 Teaching experience per full time teacher in number of years

Response: 9.03

2.4.3.1 Total experience of full-time teachers

Response: 650

File Description	Document
List of Teachers including their PAN, designation,dept and experience details	[View Document](#)
Any additional information	[View Document](#)

2.4.4 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: 5.91

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

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

File Description	Document
Institutional data in prescribed format	View Document

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

Response: 0.81

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

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

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

2.5 Evaluation Process and Reforms

2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results during the last five years

Response: 3

2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years

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

File Description	Document
List of programs and date of last semester and date of declaration of result	[View Document](#)
Any additional information	[View Document](#)

2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years

Response: 0

2.5.2.1 Number of complaints/grievances about evaluation year-wise during the last five years

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

File Description	Document
Number of complaints and total number of students appeared year wise	[View Document](#)
Any additional information	[View Document](#)

2.5.3 Average percentage of applications for revaluation leading to change in marks during the last five years

Response: 20.89

2.5.3.1 Number of applications for revaluation leading to change in marks year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
442	489	54	0	0

File Description	Document
Year wise number of applications, students and revaluation cases	[View Document](#)
Any additional information	[View Document](#)

2.5.4 Positive impact of reforms on the examination procedures and processes including IT integration and continuous internal assessment on the examination management system

Response:

2.5.4 Positive impact of reforms on the examination procedures and processes including IT integration, and continuous internal assessment on the examination management system

This institute had successfully implemented various reforms in the examination procedures to judge the skills acquired by students more appropriately and effectively improve the academic standards and quality of the students. These reforms have shown positive impact on the performance of students. The examination reforms implemented by this institute can be broadly classified in three sub-groups.

1. **Examination procedures:** Following are the key features of examination procedure adopted by this institute.

- Well defined autonomy and examination rules in the form of printed booklet and also published on institute's website.
- Well defined academic calendar including all examination related activities and strict adherence to it.
- CGPA system with sufficient core and open electives.
- Excellent balance between relative and absolute grading system so that A+ and A grades are restricted to deserving students only.
- Continuous assessment which includes two in semester examinations (ISE) of 15% marks each, internal continuous assessment based on innovative evaluation tools with 10% marks and end semester examination of 60% marks for theory courses and internal continuous assessment (ICA) and ESE for laboratory courses.
- Three end semester examination viz winter, summer and re-exam. Re-exam gives immediate chance to improve the performance and it has improved transition rate of students.
- Two in semester reviews of projects by a committee and appropriate feedback to students to improve their work.
- Evaluation is based on model answers and there is provision of moderation.
- Students must secure minimum 1/3rd marks in ESE to pass any course. It maintains the seriousness of ESE among the students community.
- Facility for revaluation, photocopy and challenge to revaluation. It gives fair evaluation to all students.
- Many innovative practices like make up examination in emergent cases, self study examination, etc are implemented (refer autonomy and examination rules) for uniform, fair and accurate evaluation of all students.

Impact: Minimum complaints about evaluation after revaluation, very few complaints about question paper, students' satisfaction is improved, good project and improved performance of students is the feedback from evaluators.

1. **Processes integrating IT**

- On line course registration, submission of examination form and fees, generation of hall ticket.

- Marks entered in MIS by AEC are directly assessable to students through their login ID on and after the date of declaration of marks. Result is also available in their login.
- On line submission of revaluation form, internal performance cancellation form etc.
- All results are also published on website.

Impact: Timely information about result and timely submission of all examination related applications. Failure students also get quick information at their home. Parents can also check their word's result. Least grievances from students.

1. **Continuous internal assessment system:** As stated earlier there is continuous evaluation of theory, laboratory and special courses like project, seminars, industrial lectures, etc. In theory course evaluation, 40% and 60% weightages are given to continuous evaluation   ESE respectively. The detailed procedure of continuous internal assessment is specified in examination rules (It includes planned test, surprise test, quiz, presentation, assignments, etc). There is provision of makeup examination for ISE and ISA also.

Impact: Students are regular and alert throughout the semester. Students are conceptually strong and become more innovative. Transition rate, skills acquired by students are improved.

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

2.5.5 Status of automation of Examination division along with approved Examination Manual
A. 100% automation of entire division & implementation of Examination Management System (EMS)

B. Only student registration, Hall ticket issue & Result Processing

C. Only student registration and result processing

D. Only result processing

Response: A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Document
Current manual of examination automation system and Annual reports of examination including the present status of automation	[View Document](#)
Current Manual of examination automation system	[View Document](#)
Any additional information	[View Document](#)
Annual reports of examination including the present status of automation	[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:

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:

1. Program outcomes (POs), program specific outcomes(PSOs) and course outcomes (Cos)for all programs offered by the institution are defined using following steps as per the guidelines of NBA.

- Graduate attributes prescribed by NBA were circulated amongst faculty members to study and displayed on notice board to understand by students.
- Meeting of all faculty members of the department was convened to discuss and prepare draft POs, PSOs and COs.
- In the meeting of all faculty members of the department and students' representatives, vision and mission of the institute in general and that of the department in particular, graduate attributes prescribed by NBA, PEOs and curriculum structure were referred to identify POs, PSOs and COs.
- On consultation with all stakeholders POs, PSOs and COs were defined.
- The one day workshop was conducted at the institute for guidance on redefinition of POs, PSOs and COs.
- The faculty members, students, parents, alumni and experts from industries and academician were invited to the meeting held to redefine POs, PSOs and COs. In addition, views of some of the stakeholders were invited directly or by mail/post and considered in the redefinition of POs, PSOs and COs.

1. POs, PSOs and COs of all the programme are published and disseminated as under:

- published on institute's website.
- displayed at prominent places in the department.
- displayed in HoD cabin and faculty cabins.

- displayed in Laboratories and classrooms.
- printed on course file of each subject.

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

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution (10)

(i) Describe the method of measuring attainment of POs , PSOs and COs in not more than 500 words : Following tools and processes shown in table are being used by this institute for assessment of the attainment of the POs, PSOs and COs.

Table : Tools and processes used by this institute for assessment of the attainment of the POs, PSOs and COs.

Sr. No.	Tool	Description/Process	
Direct assessment tools			
1	Continuous assessment during the semester and its analysis	Students are evaluated continuously with help of assignments, class tes performance in laboratories throughout the semester. Result of continuous is a significant indicator of attainment of POs, PSOs and COs.	
2	University examination and its result analysis	Result of University examination is analyzed for each subject after its which provides sufficient information about attainment of POs, PSOs and C	
Indirect assessment tools			
1	Feedback from students	Direct and indirect feedback is obtained from students. Direct feedba feedback from every student at the end of every semester wrt teach satisfaction level and attainment of POs, PSOs and COs. Indirect feedba	

		feedback from CRs of each class thrice in a semester wrt coverage of sylla methodology, satisfaction level etc.
2	Exit Survey	Exit survey is conducted by Head of the department by obtaining feedbac year students wrt satisfaction level and attainment of POs, PSOs and COs. minute discussion with every final year student, HoD draws conclu attainment of POs, PSOs and COs
3	Feedback from alumni	Feedback is obtained from alumni of institute in general and department in the alumni meet conducted every year wrt utility of knowledge gained in on field and attainment of POs, PSOs and COs.
4	Feedback from employers	Feedback is obtained from employers wrt quality and expected comp employed students through e-mails, letters etc.
5	Report of industrial/alumni advisory committee	Industrial/alumni advisory committee is constituted at institute level which faculty members of each department in addition to industry expert and alu department. Report of this committee is considered annually for modificat PSOs and COs.
6	Report of academic planning and monitoring (academic audit) committee	Academic planning and monitoring committee constituted at institute leve monitors academic process regularly. Report of this committee is s department in every semester. This report is considered annually for mo POs, PSOs and COs.

File Description	Document
Any additional information	View Document

2.6.3 Average pass percentage of Students

Response: 97.67

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 420

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

Response: 430

File Description	Document
List of programs and number of students passed and appeared in the final year examination	View Document
Any additional information	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 2.44

File Description	Document
Database of all currently enrolled students	View Document
Any additional information	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

3.1.1 The institution has a well defined policy for promotion of research and the same is uploaded on the institutional website

Response: Yes

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	[View Document](#)
Any additional information	[View Document](#)
URL of Policy document on promotion of research uploaded on website	[View Document](#)

3.1.2 The institution provides seed money to its teachers for research (average per year)

Response: 3.03

3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five years(INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
3.03	3.036	7.77	1.18	.12

File Description	Document
Minutes of the relevant bodies of the Institution	[View Document](#)
List of teachers receiving grant and details of grant received	[View Document](#)
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	[View Document](#)
Any additional information	[View Document](#)

3.1.3 Number of teachers awarded international fellowship for advanced studies/ research during the last five years

Response: 2

3.1.3.1 The number of teachers awarded international fellowship for advanced studies / research year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
00	00	00	02	00

File Description	Document
List of teachers and their international fellowship details	[View Document](#)
e-copies of the award letters of the teachers.	[View Document](#)
Any additional information	[View Document](#)

3.1.4 Institution has the following facilities

1. **Central Instrumentation Centre**
2. **Animal House/Green House / Museum**
3. **Central Fabrication facility**
4. **Media laboratory/Business Lab/Studios**
5. **Research / Statistical Databases**

A. Any four facilities exist

B. Three of the facilities exist

C. Two of the facilities exist

D. One of the facilities exist

Response: D. One of the facilities exist

File Description	Document
Any additional information	[View Document](#)
Link to videos and photographs geotagged	[View Document](#)

3.2 Resource Mobilization for Research

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

Response: 0.94

3.2.1.1 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 the last five years(INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	.94	0

File Description	Document
List of project and grant details	[View Document](#)
e-copies of the grant award letters for research projects sponsored by non-government	[View Document](#)

3.2.2 Number of research centres recognised by University and National/ International Bodies

Response: 0

3.2.2.1 **Number of research centres recognised by University and National/ International Bodies**

File Description	Document
Names of research centres	[View Document](#)

3.2.3 Percentage of teachers recognised as research guides

Response: 16.67

3.2.3.1 **Number of teachers recognised as research guides**

Response: 12

File Description	Document
Details of teachers recognized as research guide	[View Document](#)
Any additional information	[View Document](#)

3.2.4 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0.11

3.2.4.1 Number of research projects funded by government and non-government agencies during the last

five years

Response: 02

File Description	Document
Supporting document from Funding Agency	[View Document](#)
List of research projects and funding details	[View Document](#)
link to funding agency website	[View Document](#)

3.3 Innovation Ecosystem

3.3.1 Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

Response:

The institute is near to tribal areas like Yawal and Nandurbar distrct. Students, supported by faculties under take projects, which contribute societal service through technology, e.g. water quality monitoring of Jalgaon city, design solar integrated inverter, design of solar home Led light , production of soap from non -conventional oil etc. The institute was established with the primary objective of societal development with technological input. The staff members encourage the students to undertake projects which have relevance for direct field applications. Some notable examples are as follows which are taken under Unnat Maharashtra, Unnat Bharat like schemes.

·Sullage recycling technology

·A solar energy based Uniform fertilizer spraying machine

·Green Concrete:

·Soap manufacturing using non-traditional oil

Using the sullage recycling technology, the institute has been successful in maintain green premises in this arid region. Some other institutes of the nearby region have approached to the institute for getting technical guidance. To support these activities following activities are also undertaken

· Series of Expert lectures of eminent scientists and industry personnel.

· Best project exhibition award for the final year students.

·National level paper contest for the students.

·Tech Fest event at national level. The event includes variety of activities like poster presentation contest, model contest, design contest, numerical exercises, robotics, digital modelling etc.

·The provision is made in institute budget for innovative student project.

·The innovative student projects are financially supported

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

Response: 9

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

2016-17	2015-16	2014-15	2013-14	2012-13
03	03	01	01	01

File Description	Document
Report of the event	[View Document](#)
List of workshops/seminars during the last 5 years	[View Document](#)

3.3.3 Number of awards for innovation won by institution/ teachers/ research scholars/students during the last five years

Response: 2

3.3.3.1 Total number of awards for innovation won by institution/teachers/research scholars/students year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	02	0	0

File Description	Document
List of innovation and award details	[View Document](#)
e- copies of award letters	[View Document](#)
Any additional information	[View Document](#)

3.3.4 Number of start-ups incubated on campus during the last five years

Response: 0

3.3.4.1 Total number of start-ups incubated on campus year-wise during the last five years

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

File Description	Document
List of startups details like name of startup, nature, year of commencement etc	View Document

3.4 Research Publications and Awards

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

Response: Yes

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

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

Response: No

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

3.4.3 Number of Patents published/awarded during the last five years

Response: 1

3.4.3.1 Total number of Patents published/awarded year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
00	0	01	0	0

File Description	Document
List of patents and year it was awarded	View Document
Any additional information	View Document

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

Response: 0

3.4.4.1 How many Ph.Ds are awarded within last 5 years

Response: 00

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
URL to the research page on HEI web site	View Document

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

Response: 8.74

3.4.5.1 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
46	27	335	20	16

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

3.4.6 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: 0.87

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

2016-17	2015-16	2014-15	2013-14	2012-13
12	03	11	08	10

File Description	Document
List books and chapters in edited volumes / books published	[View Document](#)

3.4.7 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Response: 3.48

3.4.7.1 Total number of citations received by publications in the last 5 years, which are included in online databases such as SCOPUS, web of science or PubMed/ Indian Citation Index

Response: 302

File Description	Document
BiblioMetrics of the publications during the last five years	[View Document](#)

3.4.8 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution

Response: 4.5

3.4.8.1 Number of citations received by individual research publications in the last 5 years

Response: 5

3.4.8.2 Number of publications receiving proportionately maximum number of citation in the last five years

Response: 20

File Description	Document
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	[View Document](#)

3.5 Consultancy

3.5.1 Institution has a policy on consultancy including revenue sharing between the institution and the individual

Response: Yes

File Description	Document
Soft copy of the Consultancy Policy	[View Document](#)
Minutes of the Governing Council/ Syndicate/Board of Management related to Consultancy policy	[View Document](#)
URL of the consultancy policy document	[View Document](#)

3.5.2 Revenue generated from consultancy during the last five years

Response: 14.96

3.5.2.1 Total amount generated from consultancy year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
0	4.33	6.45	0.69	3.49

File Description	Document
List of consultants and revenue generated by them	[View Document](#)
Audited statements of accounts indicating the revenue generated through consultancy	[View Document](#)
Any additional information	[View Document](#)

3.5.3 Revenue generated from corporate training by the institution during the last five years

Response: 0

3.5.3.1 Total amount generated from corporate training by the institution year-wise during the last five years (INR in Lakhs)

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

File Description	Document
List of teacher consultants and revenue generated by them	[View Document](#)

3.6 Extension Activities

3.6.1 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:

The Institute ensures social justice and empowerment of students from under-privileged and vulnerable sections of society by providing relaxation in Institute fees, hostel fees, bus fees and providing scholarships through various schemes as per the rules and regulations of Govt. of Maharashtra. Value based courses exposes students to issues of gender equity, eco-consciousness and self-esteem. Woman empowerment programmes are organized by the woman grievances redressal committee.The following activities are conducted to contribute to the aspect of good citizenship, service orientation and holistic development of the students:

- Blood donation
- Celebration of national and religious festivals
- Cleanliness drives
- Visit to remand/old age home
- Tree Plantation

The curriculum has emphasized on co-curricular and extracurricular activities. The students are awarded audit points for participation in these activities. Minimum audit points required to be qualified for degree are specified by the curriculum. The class teachers keep Xerox copies of participation certificates of such activities.The college organizes alumni meet, parent meet and employers' meet, TECHNOARENA, TechnoVision, Abhivyakti, Social gathering- such students activities are conducted every year as per the academic calendar. In these meets, the stake holders are appraised with the developments taking place in the college. They are also given time for their responses. They are also given a standard feedback form to fill their response. These responses are analyzed statistically and cognition is taken from time to time.

In some of the committees there is a participation of students and parents also, e. g Women Grievances Committee, Anti Ragging Committee, Students Welfare Committee. Through the extension activities, qualities like communication/ expressive skills, group work culture, gender equity, eco-consciousness and self –esteem are inculcated in the students. This along with academic learning experience excels the student's career and helps to become a good and responsible citizen. This is initiated by following activities:

- The college has a collaboration with Lead India 2020 , an NGO. Students work on rural problems in collaboration with local people with this.
- The faculty members of the institute have initiated environmental awareness program for masses. Faculties have delivered lectures in various organizations to enhance mass awareness regarding environmentally friendly life style. It is an attempt to save environment with mass participation.
- Awareness campaign about Digital India by the faculty members in the nearby rural area, among the students' community. e. g. SDC an app developed by teachers and faculties of institution.
- Community Internet Awareness initiative for women empowerment.

The community involvement in these activities is ensured by written and verbal communication to

motivate them to be involved.

- Blood donation camp in collaboration with red-cross society
- Tree plantation in collaboration with schools
- Cleanliness drive in campus/hostels and villages
- Awareness camp for villagers about computer literacy
- Oral hygiene and Dental camps
- Save girl Child

Awareness programs : Institute and its various faculties routinely conduct programs at campus or in the departments - World Yoga day, World No Tobacco Day; World Health day, Women's Day etc.

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

Response: 10

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

2016-17	2015-16	2014-15	2013-14	2012-13
02	02	02	02	02

File Description	Document
Number of awards for extension activities in last 5 years	[View Document]()
e-copy of the award letters	[View Document]()

3.6.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 0

3.6.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
00	00	00	00	00

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

3.6.4 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: 90.78

3.6.4.1 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 the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1540	1612	1650	1530	1320

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

3.7 Collaboration

3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange per year

Response: 1.2

3.7.1.1 Total number of Collaborative activities for research, faculty exchange, student exchange year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
00	00	05	00	01

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

3.7.2 Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last five years

Response: 2

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

2016-17	2015-16	2014-15	2013-14	2012-13
0	02	0	0	0

File Description	Document
e-copies of linkage related Document	View Document
Details of linkages with institutions/industries for internship	View Document

3.7.3 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 0

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

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

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	View Document
Details of functional MoUs with institutions of national, international importance,other universities etc. during the last five years	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 college was established in 1996. Since then the adequate availability of physical infrastructure was duly identified and has been planned and constructed accordingly. Every department are provided with built up space as per the requirements of AICTE in form of class rooms, laboratories, tutorial and seminar rooms, staff rooms and departmental library. In addition to this there are central facilities in the form of library, computing facility and student recreational facilities. Allied areas in form of hostels, and mess cater the need of students. The campus also provides appropriate parking facility for cycles , two wheeler and four wheeler vehicles.

Details of Built-up Area

S.N.	Room type (mention Class room/Lab/Toilet, etc	Carpet/Built up area (in sqm)	Completion of Flooring	Completion of Walls and painting	Completion Electrificati lighting
1	Main and administrative building	9253.57	Completed August 2007	Completed	Completed
2	Main and administrative building_2nd Floor two wings	1530.00	March 2016	Completed	Completed
2	Workshop	2225.05	Completed June 2007	Completed	Completed
3	Library	935.37	Completed Feb. 2009	Completed	Completed
4	Seminal Hall_TEQIP (GF+FF)	500.00	Completed Sept.2016	Completed	Completed
5	Boys hostel-I	3203.24	Completed Aug. 2009	Completed	Completed
6	Boys hostel-II	3203.24	Completed Aug. 2011	Completed	Completed
7	Girls Hostel	2623.55	Completed Aug. 2012	Completed	Completed
8	Principal Quarter	149.39	Completed March 2009	Completed	Completed
9	Rector/Professor Quarters	1560	Completed March 2011	Completed	Completed
10	PWD Seva Kendra/Site office	168.44	Completed June 2011	Completed	Completed
11	Electric Substation	37.60	Completed March 2007	Completed	Completed
12	Class-IV Quarters	875.59	Completed	Completed	Completed

| | | March 2013 | | | |

File Description	Document
Any 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:

There is provision of indoor sports facilities such as fully equipped gymnasium, Table Tennis, Carom. There are additional outdoor sport facilities for cricket, football, volleyball, basketball. In the college campus area of 5.0 acres is available and maintained for sports activities.

Special facilities are made available on the campus to promote interest in sports and cultural events?

As mentioned above , there is a provision of indoor as well as outdoor sport facility for the students and staff. The facilities can be accessed off the college hours. All students can participate in annual sports competition and social gathering held annually at college. The students can also participate in any competition as per their interest in sports and cultural events organized at university, and state/national level. For each of such activities, the concerned staff advisor guides the student for the participation. Such participation is encouraged by providing allowances as applicable. The absence in academics due to such participation is accounted for favorably. The best performer, both ladies and gents, in such activity are identified and awarded in annual functions like degree distribution ceremony. For every discipline there is students association e.g. CESA, Civil Engineering Students association (similarly MESA, EESA etc. for other disciplines) for conduct of extracurricular activities established in the college. In addition there are clubs at college level providing a platform for conduct of technical and cultural activities. There is a tradition of celebrating various cultural events annually. Also Ground of 5 acres land is available for playing football, holly ball, kho-kho, indoor games etc.

File Description	Document
Any additional information	View Document

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

Response: 66.67

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 12

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	[View Document](#)

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

Response: 22.15

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

2016-17	2015-16	2014-15	2013-14	2012-13
75	168.17	25	86.96	34.78

File Description	Document
Details of budget allocation, excluding salary during the last five years	[View Document](#)
Audited utilization statements	[View Document](#)
Any additional information	[View Document](#)

4.2 Library as a Learning Resource

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

Response:

· *Name of the ILMS software :* ***SLIM software***
· *Nature of automation (fully or partially):* ***Fully***
· *Version:****21***(***3.3***)

· *Year of automation:****2013-14***

·Library management software slim is used from 2013-14 in library of Institute. Annual Maintenance Contract is done with Algorythms Consultants,Pune which has developed SLIM. Various problems with slim faced by Institute were solved by Algorythms and now slim software is satisfactorily used in library. Slim software helps in issuing and borrowing of books to students, teachers and staff. Slim software has various facilities such as newspaper billing, sorting etc. SLIM software is library management as well as automation software. The facility of keeping records of students, books borrowed as well as fine to be issued to various students is available with SLIM. SLIM is interlinked with CWN so that all facilities of Library will be available to users in whole institute.

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

Response:

Name of the book	Name of the author	Name of the publisher	Year of publishing	of
Beyond 2020 A Vision for Tomorrows India	Dr. A P J Kalam	Penguin Book	2016	
India 2020	Y S RAjan	Penguin Book	2016	
PrivatnachaJahirnama	Dr. A P J Kalam	Potraj V	2016	
Abraham Linkan	Osyergard Philips	Sakal Pub	2010	
Dr.BabasahebAmbedkar writing speech	Vasant Moon	Education pub	2016	
A Complet guide to the Gate Com	Trisha	Pearson pub	2014	
Gate 2013 Electrctrical Engg	--	G K Pub	2012	
Lees lee Preventionin the process	Sam Mohan	---	2013	

4.2.3 Does the institution have the following

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

Any 4 of the above

Any 3 of the above

Any 2 of the above

Any 1 of the above

Response: Any 4 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc.	[View Document](#)

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

Response: 25.92

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

2016-17	2015-16	2014-15	2013-14	2012-13
44.76	48.66	36.17	0	0

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	[View Document](#)
Audited statements of accounts	[View Document](#)

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

Response: Yes

File Description	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: 40.61

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

Response: 670

File Description	Document
Details of library usage by teachers and students	[View Document](#)
Any additional information	[View Document](#)

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The Institute have Internet Policies and secure campus wide network, connecting about around 8 Buildings in campus of over 19 acres of land in a single network.

Wi-Fi network is provided in support of teaching and related academic activities to access Campus

Network and Internet.

Wifi facility: Entire 19 Acre Campus is Wifi with Wireless Access Controller equipped with 24 Indoor and 4 Outdoor Access points. (Cisco Make).

LAN facility: The Institute has campus wide network, connecting about around 8 Buildings in campus of over 19 acres of land in a single network connecting all the computers in a common network. The Network consists of 700 thick access nodes with expansion/scalability factor of 30%.

Sr. No	Item Name	Specifications	Date of Updation and natur updation
1	License renewal for CYBEROAM 200ING APPLIANCE SERIAL ID C20314234086	Licenses for 1. Gateway Anti-spam 2. Intrusion Prevention System. 3. 24x7 Support	Updated on 20 Sept 2017 for years with validity upto 20 Sept 2(
2	License renewal for CYBEROAM 200ING APPLIANCE SERIAL ID C20314234086	Licenses for 1. Web and Application Filter 1. Gateway Antivirus	Updated on 20 Sept 2017 for years with validity upto 20 Sept 2(

File Description	Document
Any additional information	View Document

4.3.2 Student - Computer ratio

Response: 2.15

File Description	Document
Student - Computer ratio	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)
?50 MBPS

35 MBPS - 50 MBPS

20 MBPS - 35 MBPS

5 MBPS - 20 MBPS

Response: ?50 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	View Document
Any 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

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: 0.46

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

2016-17	2015-16	2014-15	2013-14	2012-13
0	3.0	0	4.50	0

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts.	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:

As the Institute is Government Institute, The major maintenances and development works are done by State PWD office. Institute has its own Building and Works Committee consist of senior Civil Department staff members, Renowned Architect, Structural Engineer and PWD Officials, which looks after the same.

Housekeeping:

Institute outsourced the housekeeping. The housekeeping agency looks for the maintenance of cleanliness.30 peoples are appointed for it by the agency, out of which 5 are gardeners for maintenance of the garden, 10 are wet sweepers and 15 are Lab Peons.

One electrician is appointed by the institute for the repair and maintenance of electrical works. Electrical maintenance work is carried out under the supervision of electrical department.

One plumber is appointed in the hostel for campus plumbing maintenance.

Additional information regarding Infrastructure and Learning Resources, which the institution would like to include.

* Telecom facility is available in institute for within institute and outside institute communication a high state of art IP-PBX is installed for intra-campus communication which is integrated in network with IP Telephony.
* Sufficient parking space is provided for cycles, two wheelers and four wheelers.
* Institute has security guards (24 x7) for campus security.
* Institute/campus is secured by CCTV web cameras
* Express feeder line for non interupted electric supply is provided.
* Power backup by 2 DG set (40KVA each)

File Description	Document
Any 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: 77.98

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

2016-17	2015-16	2014-15	2013-14	2012-13
1235	1187	1383	1490	1296

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

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

Response: 4.15

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

2016-17	2015-16	2014-15	2013-14	2012-13
49	52	70	70	112

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. **Guidance 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**

7 or more of the above

Any 6 of the above

Any 5 of the above

Any 4 of the above

Response: 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	[View Document](#)
Any additional information	[View Document](#)
Link to Institutional website	[View Document](#)

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

Response: 1.15

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

2016-17	2015-16	2014-15	2013-14	2012-13
22	34	16	16	08

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

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

Response: 98.62

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

2016-17	2015-16	2014-15	2013-14	2012-13
1550	1650	1700	1750	1700

File Description	Document
Details of of students benefited by Vocational Education and Training (VET)	
Any additional information	

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

5.2 Student Progression

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

Response: 9.7

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

2016-17	2015-16	2014-15	2013-14	2012-13
72	51	18	54	20

File Description	Document
Self attested list of students placed	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: 24.65

5.2.2.1 Number of outgoing students progressing to higher education

Response: 106

File Description	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/ TOEFL/ Civil Services/State government examinations)

Response: 10.71

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

2016-17	2015-16	2014-15	2013-14	2012-13
22	34	16	16	8

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOEFL/ Civil Services/State government examinations) year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
240	240	180	120	100

File Description	Document
Number of students qualifying in state/ national/ international level examinations during the last five years	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: 0

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

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	00

File Description	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
Any additional information	View Document

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

Response:

Students are always involved in different extracurricular activities through cultural committee consisting with the faculty and student members. Every year Student Council is formed which consist of 01 University Representative, 01 Cultural Secretary. 01 Sports Secretary, 02 ladies Representative and 02

Caste Representative as per University act. Apart from this 01 Class Representative from each class is selected. As this institute got autonomous status in the year 2014, 03 students i.e 02 from UG and 01 from PG are working in Academic Council as amember. The institute has well-groomed teams and offers the facilities for all games and sports activities namely Athletics, Basketball, Chess, Cricket, Football, Kho-Kho, Kabaddi, Volleyball,offered by North Maharashtra University. Annual Sports conducted by college for a week in the month of January / February each year. Various events like Athletics, Basketball, Chess, Cricket, Football, Kho-Kho, Kabaddi, Volley Ball etc. are arranged for interdepartmental students and faculty members. Separate events for boys, girls and for staff are also conducted. Both indoor and outdoor games (viz Carrom, Chess, Football tournament, Cricket etc.) are played throughout the year. Also this institute is having sufficient space to conduct Annual social gathering, which also includes various committees, like Reception,Stage, Sound System, Refreshment, Dance, singing, Drama,Fishpond etc. For all these sub event 01 co-ordinator and 01 co-coordinator are selected. Institute organizes Technical programs every year viz Techno- Arena and Techno-Vision. Techno-Arena consists of various technical activities while Techno- Vision consists of technical paper presentation . Apart from this we also organize a Cultural Event viz- ABHIVYAKTI. For all these 03 events 01 co-ordinator and 01 co-coordinator are selected for each event and also for sub committees formed under these events. Every year a special committee is made for girls viz Yuvati Sabha , her 02 girls works as a co-ordinators, they conduct expert talk of well known ladies every year and conduct the programme of self defence for girls for which University provides necessary fund. Hostel committee is also formed in girls and boys , related to mess and discipline. Other Activities: Blood Donation Camp in the Campus every year. Industrial visit conducted by the Training and Placement Cell in association with the department for the students of 3rd year. Cleanliness Campaign on 15th August Participation in intra or inter-departmental seminar /conference/ workshop, quiz and debate etc. Students also publish Departmental Technical Magazine and Newsletter. Fresher's welcome and farewells conducted by the Students Association of department. And Institute level programs include, Shivjayanti, cultural night etc. Students are motivated to conduct and participate in workshops, seminars etc. Students participate in industrial awareness camp conducted by the institute

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

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

Response: 7.6

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

2016-17	2015-16	2014-15	2013-14	2012-13
12	11	05	05	05

File Description	Document
Report of the event	[View Document](#)
Number of sports and cultural activities / competitions organised per year	[View Document](#)
Any additional information	[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:

The alumni association of institute is registered under societies act and regularly functioning. Since its foundation it is contributing significantly towards the development of institution. The major activities conducted by association are 1. Continuous drive for membership registering, mentoring the members towards contribution through experience sharing, seeking help of members for campus placement of students. 2. Association regularly conducts industry alumni institute interaction programs, annual general body meetings etc. 3. Few of the alumni have established formal tie up with institute and conduct industry oriented STTPs to directly generate placement of outgoing students. 4. Outgoing students are assigned with group of alumni which help the students to seek employment. 5. Annually alumni association conducts "Best Project Competition " for final year students to uplift the innovation skills of students. 6. Alumni association consistently sponsors the student activities like Technoarena, Technovision and ISTE/IETE/TEQIP activities and conferences etc.

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

5.4.2 Alumni contribution during the last five years(INR in Lakhs)
? 15 Lakhs

10Lakhs - 15 Lakhs

5 Lakhs - 10 Lakhs

2 Lakhs - 5 Lakhs

Response: <2 Lakhs

File Description	Document
Any additional information	View Document
Alumni association audited statements	View Document

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

Response: 10

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

2016-17	2015-16	2014-15	2013-14	2012-13
02	02	02	02	02

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

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

"Globally Accepted Engineers with Human Skills "

MISSION

- **To promote overall development of students by creating excellent learning environment.**
- **To develop undergraduate and postgraduate programmes through effective linkages with industry , academia and alumni."**
- **To promote services to community and revenue generation for sustainable development**

Government College of Engineering, Jalgaon was established in 1996 with three programs viz. Electronics and Telecommunication, Mechanical Engineering and Instrumentation and then three more UG program (Electrical Engineering, Computer Engineering and Civil engineering) and one PG program M. Tech. (Digital System) were started. The institute is affiliated with North Maharashtra University, Jalgaon. The institute became autonomous since July 2014. The institute had successfully completed TEQIP II project undertaken by Govt. of India and Government of Maharashtra from 2012 to 2017.

All the programmes enlighten the need of society and industry in particular with recent development in industry. The students are exposed to industries, research institutes and acquire present knowledge by attending conferences, seminars or workshops. The students are also given training of soft skill, latest software's and methodologies.The expert industrial lectures are also organised for the sudents. the co-curricular activity such as Technoarena, Technical paper presentation competition are organized. The social activity such as blood donation camp, tree plantation, participation in Swacha Bharat Abhiyan are also performed by student.

The institute is governed by Board of Governor (BOG) appointed by Govt. of Maharashtra. The institute had defined administrative set up and administered through decentralization of authorities. The administrative and financial policies are approved at the Board of Governor while academic policies are approved at Academic Council.However, inputs and suggestions are obtained from various stake holders viz.faculty, staff, students,University, Directorate of Technical Education, alumni, Faculty experts from institutes of national importance such as IIT & NITs.

All the committees have been constituted as per the UGC guidelines for autonomous colleges. The committee meets regularly and the minutes of the meetings are well recorded. Also various works at institute level are distributed through portfolio distribution order. The committee and portfolio faculty members work together and put their inputs for betterment of the institute. Each faculty member freely expresses their views and decisions are taken keeping in view interest of students and institute. At every department, a purchase committee is setup under chairmanship of Head of Department along with a

member from other department and a registrar.

Academic improvements are also audited by external committees and feedbacks of students, parents, alumni, employers etc. The UGC committee, University committee and AICTE committee visited the institute in subsequent year. The financial audit, AG audit are regularly carried out and concern are taken care off. The institute had developed a perspective plan with few short term goals and few long term goals.The goals such as obtaining the autonomy, implementing autonomy progressively, reforms in academic curriculum and structure, recognizing the institute laboratory to NMU as research laboratory for Ph. D. (for Electronics & Telecommunication and Civil Engineering), are successfully achieved.

File Description	Document
Link for Additional Information	[View Document](#)

6.1.2 The institution practices decentralization and participative management

Response:

The institute is an autonomous institute of Government of Maharashtra. The institute governing body called as Board of Goevernors (BOG) is appointed by Govt. of Maharashtra and governs the management of the institute. The management in the organization can be categorically classified as administrative, academics, finance, research and development, Industry institute interaction, student's activities etc. The Principal of the instiute is looking after all day to day work. The various activities are headed by Deans or co-ordinator, Head of Department among the faculty of the institute. The admisnistrative office is headed by Registrar of the institute.

The   institute practices participative management at various levels such as Technical registrar, Heads of Departments, Dean (Academics), Dean (Students affair), Dean (R&D), Dean (IIIC), Controllar of Examination (COE), Faculty Advisors for student activities, Coordinators, Chairman (Departmental PurchaseCommittee), Electrical Maintenance in-charge, Civil maintainance in-charge, Hostelwardens, Rector, Security in-charge, TEQIP-II Coordinator. The Technical Registrar is looikng the administrative work while Head of Deaprtment are controlling day to day actvity of the departmetn viz., delivery of lecutres and laboratory works, upkeeing of the equipment and insfrastructure, conduction of examination and conduct result analysis also. Dean (Academics) involove in development of the curriculum, implementation of autonomy rules and academic calender. Dean (Student affair) look after all activity related to student such as spors, cultural, participation in other college or university level activities. Dean(R & D) suggest the faculties various schemes available available for grant and the procedure there off. Dean (IIIC) is invloved developing the industry-institute activities, conducting trainings for student for developing soft skill and presentaion skill and placing students in various companies. Controllar of Examination (COE) along with pre-COE and post-COE set out the question paper, conduct the examination and after evaluation of answer paper, declares the result as per academic calender. All othe

incharges, works along with the committe members and carry out the work.

The participative management at various levels can be very illustrated by an example in the implementation of autonomy by Dean (Academics). The faculty members are involved at level from framing curriculum to declaration of results at various levels. More or less every faculty is involved in different committees constituted such as Academic Council (AC), Board of Studies (BoS), and Departmental Faculty Board (DFB). Controller of Examination is assisted by two Assistant Controller of Examiners for setting and printing question papersand Faculty in charge CAP for valuation process.

Also for purchase of any equipment, a purchase committee is constituted at every department. The head of department is Chairman of the concern department and four members out of which two members from other department are meberrs. The needs of the equipment or consumables are drawn by laboratory incharge and it is budgeted for that financial year. After the budget allocation, the department initialized the purchase process by calling quotation or e-tender depending upon the cost of item. The purchase committee then scrutinizes all quotations received and recommend the vendor with minimum price to the Principal for putting the supply order.

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:

Governnemnt College of Engineering, Jalgaon was established in 1996 and progressively it reach to 21 years of standing. The institute grown up and became first autonomous institute within NMU, Jalgaon university area. Before it became autonomous, it was affiliated to North Maharashtra University, Jalgaon. In 2013, institute prepared a good governance development plan of the institute. Also, in 2015, the institute also developed a perspective plan with few short term goals and few long term goals. The good governance institute development plan was mainly focused on five components viz. primary accountabilities, openness and transparency in the operation of governing bodies, key attributes of governing bodies, effectiveness and performance review of governing bodies and regulatory compliance.

The perspective plan set objectives such as academic excellence through academic reforms, upgrade the academic curriculum and structure, effective and time bound examination system; make institutional administration more efficient and dynamic and establishing system for effective utilization of funds for sustainable growth. BoG and Academic Council approves all mater related to institue management and academic development.

The institute became autonomous in July 2014 and progressive autonomy was implemented i.e. year wise and first UG batch will be out in May 2018 while two PG batches passed under autonomy. In last four

years institute working under North Maharashtra University, Jalgaon had implemented the autonomy including curriculum development, conducting examination, valuation and declaring the results. Dean (Academics) along with Controller of Examination (COE), pre-COE and post-COE implementing and controlling the complete process. Restructuring of curriculum and structure of all UG (6 courses and one PG course had been completed in last four year. All the rules realted to conduct of examination under autonomy are apporved by Academic Council and BOG ands available on institute website.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)
Strategic Plan and deployment documents on the website	[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:

Mechanicsm

The institution is one of the seven governemnt engineering colleges in the state, which are run by Government of Maharashtra under the **Directorate of Technical Education** (DTE) Maharashtra Sta Mumbai.

- This institute is State Government automonus institue and affiliated to North Maharashtra U Jalgaon.
- The Director of Technical Education, Maharashtra State, Mumbai is the administrative head institute.
- The regional administrative head is Joint Director, Directorate of Technical Education, Nash
- The Secretary of Higher & Technical education , The Director of Technical Education , The Director of Technical Education and Principal jointly impliment the development programs / of the institute. These activities are carried / executed through heads and faculty meeting and is taken from faculty and students.
- The principal leads the institute, with different departments working under him. Every depar teaching faculty designed as Professor, Associate Professor, Assistant Professor. For effectiv laboratory work, the faculty is supported by laboratory staff like laboratory assistants, labora attendants etc.
- Registrar and his supporting staff look after the office administration related to faculty, staff, students **Procedures**

Recruitment: The institute is the State Government institute (An Autonomous Institute of Go Maharashtra). The recruitment process for the government institute is centralized process thr

Maharashtra Public Service Commission. As per the AICTE guideline (norms), post are crea the Directorate of Technical Education Department (DTE) in various Government Engineeri Colleges in state and approval is sought from Ministry of Higher and Technical Education Maharashtra State. All teachers (Professor, Associate Professor and Assistant Professor) in Government Engineering Colleges are recruited through Maharashtra Public Service Commi (MPSC), Mumbai.

The recruitment of non-teaching staff and office staff (of Category Class III & IV) is done by Joint I Regional Directorate of Techncial Education while Registrar post is recruited through MPSC.

Promotional policies for teachers in government engineering colleges are as per the norms frame by India Council (AICTE)for technical Education and government resolution of Maharashtra State Hig Technical Education Ministry.Various government resolutions in this regards are as follows:

- 6th pay salary pay norm are implemented by GOVERNMENT OF MAHARASHTRA vide resolutions of Higher & Technical Education Department Resolution No. SPC- 2010/(34/10 MantralayaAnnexe, Mumbai – 400 032 Dated 20thAugust, 2010
- The promataion to faculty is given as per norms of Carrear Advancement Scheme of AICTE and GOVERNMENT OF MAHARASHTRA vide Govt. resolutions of Higher & Technical Education Department Resolution No.CAS-2013/ (32/13)/TE-2 Date: 17th October, 2015
- The promotion to non-teaching staff is done by Govt. of Maharashtra.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)
Link to Organogram of the Institution webpage	[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**

All 5 of the above

Any 4 of the above

Any 3 of the above

Any 2 of the above

Response: Any 4 of the above

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

---

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

Response:

The institute is an autonomous institute of Government of Maharashtra. The institute governing body called as Board of Governors (BOG) is appointed by Govt. of Maharashtra and governs the management of the institute. All minutes of meeting are placed on institute web site and action taken by the institute is strictly monitored by BoG. BoG looks in all aspect of governance and participated in the progress of the institute.

The management in the organization can be categorically classified as administrative, academics, finance, research and development, Industry institute interaction, student's activities etc. The Principal of the institute is looking after all day to day work. The various activities are headed by Deans or coordinator, Head of Department among the faculty of the institute. The administrative office is headed by Registrar of the institute.

BoS of each department frame and implement the curriculum. The BOS send the developed curriculum to Academic Council for approval. Departmental Faculty Board designed the necessary formatting. AC authorized BoS chairman to make necessary changes and submit final copy of detailed syllabus to chairman, academic council. Accordingly modified and final copy of detailed syllabus received from BoS chairman for approval. The approved curriculum is implement by HoD concerned department and academic implementation is monitored through academic calendar by Dean Academics. The minutes of meetings are approved after every meeting and it action is implemented All the academic council minutes are placed on institute web site.

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:

The Government College of Engineering College, Jalgaon is established by Government of Maharshtra and all the teaching and non-teaching staff and non teaching staff is appointed as per Government rules and norms. As per rules of Government of Maharashtra the staff members are secured and suppourted by following schemes.

- All the employees and their families are secured by the Pension scheme.
- The employees recruited after year 2005 are secured with DCPS through National Pension Scheme(NPS).
- All employees are Suppourted under Group Insurence scheme(GIS).
- Life of all the Employess is secured with Accidental Insurance Policy.
- All the employee are suppourted with Mediclaim facilty for employees and their depenfdants.
- All employees are funded under Hoam Loan Advance scheme for purchasing home.
- All employees are funded under Car Loan Advance scheme for purchasing Car.
- All employees are funded under Motorcycle Loan Advance scheme for purchasing motorcycle.
- All employees are funded under Computer Loan Advance scheme for purchasing Computer.
- The Class III and Class IV employees are suppourted with the festival advance of Rs. 10000 during the Diwali festival.
- All the employees are provided Leave Travel concession(LTC) once in four year cycle and Hometown travel allowance in every two year cycle.
- All the Employees are secured with General provident fund(GPF) and Advance/Loan scheme against the GPF.   The availiable Government Resolutions in this regards are attached.

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: 7.35

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

2016-17	2015-16	2014-15	2013-14	2012-13
10	5	1	2	3

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc. during the last five years	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: 7.6

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 the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
21	7	4	3	3

File Description	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 programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 100

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 the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
72	57	38	43	44

File Description	Document
Details 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:

As the Institute is State Government Institution, the performance appraisal systems is as per guidelines of State of maharashtra the following are key points in this regards:

- A performance appraisal report assessing the performance, character, conduct and qualities of every member of the Service shall be written for each financial year or as may be specified by the Government in the Schedule
- The reviewing authority shall record his remarks on the performance appraisal report, within the timeframe specified in the Schedule
- The comments shall be restricted to the specific factual observations contained in the Performance Appraisal Report leading to the assessment of the officer in terms of attributes, work output and competency
- The rules and regulations, Government Resolutions and Formats for assesments are attached

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:

The institute is government run engineering college and hence, financial audit system exists. The financial audit is mainly carried out by government auditors of AG office for government funds and while fund received for Technical Education Quality Improvement Programme (TEQIP), a separate audit was carried out by state government. In 2012-13, as per direction of Director, Directorate of Technical Education, Mumbai, audit of PLA was also carried out. All audit report carried out during last five years are uploaded.

The audit objections raised by auditor are clarified at the earliest.

File Description	Document
Link for Additional Information	[View Document](#)

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

Response: 7.24

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

2016-17	2015-16	2014-15	2013-14	2012-13
3.025	1.185	1.41	0.395	1.22

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	[View Document](#)
Annual statements of accounts	[View Document](#)

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

Response:

The institute is government run institute. The institute is received the salary fund and other non-plan grant from government . The tuition fee & other fee collected from students are retained by institute. The institute spend all money either received from government or directly at institute using government procedure suggested by Purchase Rule of government of Maharashtra of dtd. 1/12/2016. The budget is prepared by the institue by involvement of all department and various coordinator. Depending upon the requirement, the proposal is submitted to the Director, Direatrate of Technical Education, Mumabi. The purchase at institute level is done through purchase committe and store officer.

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:

Government College of Engineering, Jalgaon is an autonomous institute. This is institute is first time appearing for NAAC accreditation. Hence IQAC cell was form recently in the institute. However, the

institute is making effort to keep quality standers by using various methods and technics. Some of these are described below;

1. Feedback from class representative is regularly collected by the Principal before every ISE and ESE for each course regarding completion of curriculum, standard of teaching, methodology used by teacher, class embays and other issues. The subsequent remedial measures are incorporated through HoD of the concerned department.

2 A special attention is given to students performing below average in ISE1 and ISE2 exams. Remedial classes are engaged for the critical subjects.

3. The academic audit of the institute is performed by a committee of experts from other institute of national importance or autonomous institute.

4. At the end of semester, feedbacks from all students are taken and measures made to correct the problem if any.

5. Academic calendar is prepared 2-3 month ahead of implementation year and it is scrupulously monitored for the effective implementation.

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:

Government College of Engineering, Jalgaon is an autonomous institute. This is institute is first time appearing for NAAC accreditation. Hence IQAC cell was form recently in the institute and its activity are yet to start. However, the institute monitors teaching learning process by

1.   Faculty feedback helps in reviewing the teaching learning process.

2.   The expert's lectures and guest lectures for the students are arranged on various issues.

3.   Technical Quiz is conducted by course teacher as per curriculum

4.   The surprise tests for students to understand the depth of learning as per curriculum

5. Industrial visits are taken to know how about the recent development in the industrial activity.

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

Response: 0

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
0	0	0	0	0

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	[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**

Any 4 of the above

Any 3 of the above

Any 2 of the above

Any 1 of the above

Response: Any 1 of the above

File Description	Document
e-copies of the accreditations and certifications	[View Document](#)
Details of Quality assurance initiatives of the institution	[View Document](#)
Any additional information	[View Document](#)
Annual reports of Institution	[View Document](#)

6.5.5 Incremental improvements made during the preceding five years *(in case of first cycle)* **Post accreditation quality initiatives** *(second and subsequent cycles)*

Response:

Government College of Engineering, Jalgaon is an autonomous institute from July 2014. The institute was affiliated to North Maharashtra University Jalgaon from 1996. The institute had grown up in last 2 0 years progressively.

Additional three UG courses and one PG course was added from 2007-2010

• First NBA accreditation in the year 2009 of three UG courses

• Permanent affiliation by NMU Jalgaon and UGC inclusion under section 2F

• Selection of institute for TEQIP amongst 17 state institutions in the year 2011and successful completion in March 2017 with fetching additional grant of 5 crores to the initial grant of 10 crores due to good performance i.e. timely and efficient utilization of available grant for said purpose.

• Conferment of autonomous status by UGC, New Delhi and NMU, Jalgaon in the year 2014-15

• Institute had signed MOU with four institutes and seven industries in last five year

• 56 workshop/ trainings /bridge gap course /Expert talk were conducted in last five years.

• 36 STTP / FDP / Workshops were conducted in last five years

• One international conference was organized by the institute in January 2016.

• Conference on curriculum Development organized in 2012

• Faculty participated at international level conference and training program

• Number of students own prizes at National level / Zonal level competition in technical / social / sports activities

• Institute is actively engaged in Swachh Bharat mission. Institute is equipped with internet

connectivity through NKN. Institute always participates in NIRF.

•   Institute participates in QEEE program conducted by IIT, Chennai for Students curricular and communication skill development.

•   Majority students are placed in campus and in off campus selection drive

•   Students are also selected in MPSC, UPSC and PSC services

•   Faculty are at positions are available now

•   Patents are obtained by various faculty members.

•   149 papers published by faculty

File Description	Document
Any additional information	View Document

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: 5

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

2016-17	2015-16	2014-15	2013-14	2012-13
01	01	01	01	01

File Description	Document
List of gender equity promotion programs organized by the institution	View Document

7.1.2 Institution shows gender sensitivity in providing facilities such as
a) Safety and Security
b) Counselling
c) Common Room

Response:

a) Safety and Security: Yes
b) Counselling: Yes
c) Common Room: Institute has provision of common rooms
In higher education, there are gender equity challenges unique to technology-focused learning institutions. At GCOEJ, less than 25 percent of staff positions on or above Head of department are held by women. This is one reason that the college initiation meeting of women Grievance Redressal to discuss the experiences of women on campus as well as elicit ideas for enhancing policies and campus climate issues. The Gender Equity Initiative is a collaboration of staff, faculty and students who are concerned about issues of gender and sexual orientation expression; equity and discrimination, especially for women in the workplace or girls in the institute; and domestic violence and sexual assault awareness. The Gender Equity Initiative is implemented through various programs throughout the year, and the a presence of all in programs in campuses mentioned through resources and volunteers. The Gender Equity Initiative is also considered in various programs of the institute such as Abhiyakti, TechnoArena, Technovision, cultural and sports programs etc.

7.1.3 Percentage of annual power requirement of the Institution met by the renewable energy

sources

Response: 8.57

7.1.3.1 Annual power requirement met by renewable energy sources (in KWH)

Response: 3000

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 10

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 1740

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

7.1.5 Waste Management steps including:
- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

Response:

Solid waste management:- College has two boys hostel and one girls hostel and residential quarters of teaching and non-teaching employees along with Principal's residence. The solid wastes of all this places is collected by sweepers and dispatch it through municipality garbage collecting where dry and wait garbage are separated and subjected to solid waste management plan of municipality. The garbage other than the solid waste are also collected by housekeeping personnel and transported to disposal site. Waste papers are collected and sold to vendor from time to time. As mentioned, college campus has boys and girls hostels along with mess facilities where organic west such as food ripening vegetable rumens are also collected by municipality van and disposed properly. Solid waste of college premises is collected by sweepers daily and subjected to municipality garbage collecting van.

Liquid waste management :- Proper waste water sewerage system is provided. The main building's liquid waste is passed through underground drainage system. The chemicals and hazardous materials used for practical purpose are purchased as per requirement proper

authorized suppliers and used chemicals are disposed properly as per chemistry person's guidelines. Most of the chemistry practical required diluted solution so there is no considerable liquid waste.

?E-waste management.:- Electronic goods are put to optimum use. The irreparable electronic goods and damaged computers are write off and then sold to scrap vendor. UPS Batteries are exchanged by the suppliers. Obsolete computers are auctionnised to the vendors. The electronic components and other e-waste are disposed properly.

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

The rain water harvesting scheme is implemented in Govt. COE, Jalgaon with Ground Storage Reservoir (GSR) which meet up the requirement of administrative building. Location of SUMP is near to administrative building. Huge amount of water got collected from the rooftop surfaces of all the entire buildings. Water collected (m3) = 3288.57 and no. of days potential by Rational method is 102.76. Cost of the project is not so high. The other component of the harvesting systems such guttering, first-flush and filtration mechanism has also been included in design. Routine maintenance is conducted once in a year such as inspection and repair of vent screens, removing debris from roof, emptying storage tank and making it clean by bleach and then by rinsing, servicing of the pumps, etc.

The main features of the Rain Water Harvesting are as follows:

* The total rainfall in college campus is around 929.4mm. Ehis excess water used in case of shortage of water and emergency.
* The total water consumption in administrative building is 32 cu. m per day.
* The tank is designed for the excess rainfall which will get overflow after meeting daily requirement. The capacity of the tank is 49.587 cu. m
* The total cost of rooftop RWH system is Rs. 10,4090/-

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:

Students, staff using		
a) Bicycles:- Majority of this student are living in college hostels and the du not use any		

automobile vehicle ripening student use bicycles.		
b) Public Transport:- Student living outside the college compass uses public transport system.		
c) Pedestrian Friendly Roads:- College compass has pedestrian friendly roads.		
Plastic free campus:- College has Plastic free campus.		
? Paperless office:- College display most of the notices , timetables , results on the college website thru MIS so there is less use of paper for academic work also the college faculty notices , circular are send thru email promoting Paperless office practises.		
? Green landscaping with trees and plants:- College has no landscapes but there are approxmiletely1200 trees in the college compass giving green look to campus		

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

Response: 0.05

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

2016-17	2015-16	2014-15	2013-14	2012-13
0.089	0.489	0.108	0.057	0.063

File Description	Document
Details of expenditure on green initiatives and waste management during the last five years	[View Document](#)

7.1.9 Differently abled (Divyangjan) Friendliness 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: D. At least 2 of the above

File Description	Document
Resources available in the institution for Divyangjan	

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

Response: 0

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

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

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	

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

Response: 5

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

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

File Description	Document
Details of initiatives taken to engage with local community during the last five years	

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

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

Response: Yes

File Description	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](#)

7.1.15 The institution offers a course on Human Values and professional ethics

Response: Yes

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: 5

7.1.17.1 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 year-wise during the last five years

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

File Description	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:

The institute celebrates death and birth anniverisaries of Bharatratna Dr. Babasaheb Ambedkar, Mahatma Jyotiba Fuley, Dr. A. P. J. Abdul Kalam, Mahatma Gandhi, etc. One complete day is made available for reading on the birthday of A. P. J. Abdul Kalam from morning 8 am to 8pm.All these activities are conducted and monitored by Gymkhana cell. The program includes essay compatition, debate, etc. The oath is taken by everybody that everyone will take pain not to be partial on caste, religion basis.

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

Response:

Th institute maintains transperancy in academics. the results of the all the semister are displayed on the MIS software. The students can see the xerox copy of the assessed answer sheets and can apply for re-assessment, if doubted. As this is the governement institute, all the financial matters are monitored by the Higher and Techinical Education department, Ministry of Government of Maharahstra. The institute is also comes under the RTI and mandatory disclosure is publushed on the official website.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

BEST PRACTICE I

Title of Practice: Synchronise and control all academic activity in stipulated time in frame of academic calendar.

Objective of the Practice: The aim of this practice is to run academic administration as per prescribed discipline for better performances and enhance quality of education.

The Context of the Practice:

- Enabling overall development of students performances

The goal of this practice to sync the all academic activity and punctually controlling in time bound frame for enhances quality stake holder of education.

The students admitted to the college are from different backgrounds and different education culture. Students have not habit or serious to follow such as strict discipline in regard of punctuality, performance, hard study, and practices on dot time which are the requirements. This goal make them encourage to engage for complete engineering task in stipulated time against to day to day problem faced in industrial environment and cope up with it. In sense, they shall be capable to accept such challenges and in time solving the bottleneck attitude.

4. The Practice:

Each year all Academic activity are scheduled and framed as per norms and acts and synchronised in sequences as demand of progress of semester of each class of different department. And also has ample space of time for fulfilling and damage controlling in boundary.

It is initiated by furnished information in advance before start of semester that are

- dates of commencement of even and odd semester of programmes,
- term end dates of programmes,
- registration activity for enrol name in admission, hostel issuance, examination forms, ragging undertaking, Wifi registration and misc..
- concern to academic performances dates for in session activity and off session activity, displaying results, calls grievances etc. .
- Duration and tentative dates for co curricular and non- curricular events.

These all are managed and controlled as per schedule and dead locked after time passed. Hence all activity is established in time by faculty – student and staff. That will help institute enhance the quality of education

5. Evidence of Success:

Academic calendar of each year from initiation autonomous status of college. The evidences are in support of above are enlisted below for verifying which might be searched from following report and documents.

Co- curricular activity – all activity data are synch through MIS

- Registration of students whom seek admission, examination form in classes with respective programme in each department and hostel admission all are accomplished through MIS
- In time entered data report of in session academic pre ESE performances of the courses in respect of classes in programmes such as ISE- I & II, make up, PR+ oral ESE, TH-ESE, NE and marks entry of ISE- I & II, makeup exam, re-examNE and marks entry.
- Post examination activity data for ESE- TH as NE and marks entry,revaluation & challenge to photo copy.

Non Co- curricular activity –

- sports and cultural event successive certificates of participants candidates.

Feedback activity-

- In session CR meeting feedback report.
- At End off session student feedback report

6. Challenges and Resources Involved:

- Holidays in session for scheduling
- MIS logic development is crucial for succession of activity against prescribed inn academic calendar.
- Moody Whether problem arisen water problems that demand to propond most of activity
- Mange all academic activity by less no. of faculty and administrative staff

BEST PRACTICE II:

1. Title: Faculty Development Schemes.

2. Objective of the Practice:

The objective of the practice is to motivate the faculty members to do research, organize and attend conferences, workshops, seminars and synopsis to get to know emerging technology trends and also to update their domain knowledge.

3. The Context of the Practice:

For effective teaching as well as research engagements, faculty members are expected to have holistic idea of their area of specialization. To accomplish this, they require exposure to various inter-faculty interactions taking place via conferences, workshops, seminars, symposia etc. This situation is addressed by introducing various faculty development schemes.

4. The Practice:

Research and Development Committee of the institution promotes and facilitates research undertakings of the faculty members. The faculty members are sponsored by the institute to attend the national / international conferences. To encourage quality research work by faculty members, various monetary incentives are in place. If the paper gets published in Scopus indexed journals, faculty gets reward of

Rs.5000/-. If the faculty member receives grant from funding agencies, then 5% of the grant amount is rewarded to the faculty member by the institute. Faculty members pursuing Ph. D. programs are provided with two years of fully paid study leave from the institute.

5. Evidence of Success:

- Enhancement in the number of faculty members registering for Ph.D. programs
- Enhancement in the number of quality publications by faculty members
- Increase in the number of workshops, seminars attended by the faculty members
- Increase in the number of faculty members implementing best pedagogic practices.

6. Problems encountered and resources required:

Workload of the faculty members availing Ph. D. study leave is required to be allocated to faculty members. Fund allocation is required for supporting research activities and Ph. D. programs.

BEST PRACTICE III:

1. Title of the Practice: - ACADEMIC AUDIT

2. Objective of the Practice:

- To ensure every faculty member is performing well in academic activities.
- To give feedback to faculty members on areas which need improvement? To monitor the success of course outcomes and program objectives.
- To monitor the overall academic performance of students including co-curricular and extra-curricular activities. Intended Outcome Students are trained well in academics.
- Quality of teaching-learning process improves.
- Problems related to teaching-learning are brought to the notice of decision makers for solutions. Underlying Principles / Concepts of this practice.
- Work culture and output improve when there is monitoring.
- Best Practices of other Institutions are brought into RSET through the suggestions given through Auditing processes.
- Through continuous development, the quality of the institution is improved.

3. The Context of Practice:

- Educational institutions around the globe are growing at a rapid rate. Educational providers from overseas are interacting with institutions in India. The academic audit helps the institution to improve quality in educational programs. Challenging issues in designing and implementing Audits:
- More number of auditors are required be appointed for verifying the files of each department.

4. The Practice Academic Audit is conducted at the end of every semester:

- Auditing team is formed to audit these files and give their feedback to faculty, HOD and the Principle.
- External academic experts are invited if required to audit the files to maintain standards,. As soon as one audit is completed, the suggestions for improvement are to be implemented to achieve the desired results.
- The documents in course files are to be arranged in order and checklists are to be provided to check whether all required documents are filed.
- Faculty members are to be motivated to receive the feedback from the auditor with a open mind and to improve his/her teaching/ research skills.
- Every faculty member maintains course files for the theory as well as Laboratory subjects.

4.Constraints and Limitations :

As the institution is affiliated to university, certain recommendations given by the auditors has a practical constraint while implementing

5. Evidence of Success :

The Evidence for success is seen in the feedback received through subsequent audit reports. Some of their comments are given below:

- The audit system has improved the performance of the faculty members and teaching quality and

their integrity.

- Significant improvement in teaching –learning process especially with regard to course content

delivered and usage of teaching aids.

- Improvement in the ability of the faculty to identify the gaps in syllabus and to deliver the

contents beyond syllabus.

- Enhancement in the usage of e-learning facilities and resources.

- Overall performance of the students in their written exam is satisfactory which exhibits the effective and innovative teaching methodology of the faculty.
- With regard to the preparation of assignments, the students have excelled in their creative skills.

6. Problems Encountered and Resources Required:

- The auditing process is usually scheduled during end semesters wherein practical difficulties in smooth conduct of auditing may be affected by the absence of faculty in campus as they may be engaged in other academic activities like valuation, NSS, Club activities etc .
- For department with more number of batches the auditing and arriving at proper consensus may be difficult for an individual course.

- Common course subjects like first year papers, Mathematics, the auditing and arriving at proper consensus may be difficult.

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 vision of the insitute is "Globally accepted Engineers with Human Skills". This institute strives hard for academics as well as for co-curricular and extra-curricular activities. For that, students have to take participation in these activities and they earn credita for that. Students are sharpened with various social activities and ethical aspects. Techno-Vision and Techno-Arena are the programs based on techical knowledge are orgaised. Abhivyakti is the national level cultural program. The gymkhana organises all these activities and celebrates birth anniversaries and death anniversaries of great Indian persaonalities. The oath is taken by everybody on National Water day. Gymkhana organises tree plantation program on 1st July of every year at the begining of the mansoon season. This way, this institute makes students more and more educated in technical field as well as are made socially aware.

5. CONCLUSION

Additional Information :

Government College of Engineering, Jalgaon was established in 1996 with three programs viz. Electronics and Telecommunication, Mechanical Engineering and Instrumentation and then three more UG program (Electrical Engineering, Computer Engineering and Civil engineering) and one PG program M. Tech. (Digital System) were started. The institute is affiliated with North Maharashtra University, Jalgaon. The institute became autonomous since July 2014. The institute had successfully completed TEQIP II project undertaken by Govt. of India and Government of Maharashtra from 2012 to 2017.

The institute is governed by Board of Governor (BOG) appointed by Govt. of Maharashtra. The administrative and financial policies are approved at the Board of Governor while academic policies are approved at Academic Council.All the committees have been constituted as per the UGC guidelines for autonomous colleges.

Academic improvements are also audited by external committees and feedbacks of students, parents, alumni, employers etc. The institute had developed a perspective plan with few short term goals and few long term goals.The goals such as obtaining the autonomy, implementing autonomy progressively, reforms in academic curriculum and structure, recognizing the institute laboratory to NMU as research laboratory for Ph. D. (for Electronics & Telecommunication and Civil Engineering), are successfully achieved.

Concluding Remarks :

Government College of Engineering Jalgaon is one of the best engineering colleges in northern part of Maharashtra, which is functioning with the goal of achieving highest standards in all its activities - curricular, teaching-learning, research, co-curricular and extra-curricular activities, infrastructure, learning resources, and also in student support services.

To move further for its recognition, the Institute has prepared this Self Study Report (SSR) for getting assessed by National Assessment and Accreditation Council (NAAC). The SSR has been prepared as per guidelines given in the manual by NAAC. The SSR document includes executive summary, profile of the Institute, criterion-wise evaluative report and department- wise evaluative reports.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.1.3	Average percentage of courses having focus on Employability/ Entrepreneurship/ Skill development during the last five years 1.1.3.1. Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years
	Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
547	547	547	414	414

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
270	270	270	270	270

Remark : Only those courses that have a courses have direct bearing on employability/ entrepreneurship/ skill development. Being a technical institute, most of the courses have direct bearing on employability/ entrepreneurship/ skill development have been considered.

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

1.3.2.1. How many new value-added courses are added within the last 5 years
Answer before DVV Verification : 60
Answer after DVV Verification: 14

Remark : The attached data does not provide any details of the courses imparting transferable and life skills.. The HEI to provide the authority for introducing these value-added courses and the necessary brochures for each of them. The HEI is also to provide year wise and course wise time table for conduct. Courses of varying durations (of at least 30 contact hours) which are optional, and offered outside the curriculum that add value and helping them students in getting placed only are eligible.The following have been considered. CE-2, CSE 01, ECE and Instr 03 ME 08. In case of ME the courses are of similar nature involving different software. |

| 1.3.3 | Average percentage of students enrolled in the courses under 1.3.2 above

1.3.3.1. Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years
Answer before DVV Verification: |

2016-17	2015-16	2014-15	2013-14	2012-13
1596	137	615	595	44

Answer After DVV Verification :

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

| 1268 | 137 | 503 | 595 | 44 |

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

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

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
2	4	5	5	4

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
4	8	7	7	6

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

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

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
11	4	4	3	3

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
12	5	5	4	4

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

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

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
22	16	9	16	12

Answer After DVV Verification :

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

2.5.3	Average percentage of applications for revaluation leading to change in marks during the last five years

	2.5.3.1. Number of applications for revaluation leading to change in marks year-wise during the last five years Answer before DVV Verification: <table><tr><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td><td>2012-13</td></tr><tr><td>443</td><td>489</td><td>54</td><td>0</td><td>0</td></tr></table> Answer After DVV Verification : <table><tr><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td><td>2012-13</td></tr><tr><td>442</td><td>489</td><td>54</td><td>0</td><td>0</td></tr></table>
2.6.3	Average pass percentage of Students 2.6.3.1. Total number of final year students who passed the examination conducted by Institution. Answer before DVV Verification : 2075 Answer after DVV Verification: 420 2.6.3.2. Total number of final year students who appeared for the examination conducted by the institution Answer before DVV Verification : 2235 Answer after DVV Verification: 430
3.1.2	The institution provides seed money to its teachers for research (average per year) 3.1.2.1. The amount of seed money provided by institution to its faculty year-wise during the last five years(INR in Lakhs) Answer before DVV Verification: <table><tr><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td><td>2012-13</td></tr><tr><td>3.07368</td><td>3.03567</td><td>7.7679</td><td>.95665</td><td>.12</td></tr></table> Answer After DVV Verification : <table><tr><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td><td>2012-13</td></tr><tr><td>3.03</td><td>3.036</td><td>7.77</td><td>1.18</td><td>.12</td></tr></table>
3.1.3	Number of teachers awarded international fellowship for advanced studies/ research during the last five years 3.1.3.1. The number of teachers awarded international fellowship for advanced studies / research year-wise during the last five years Answer before DVV Verification: <table><tr><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td><td>2012-13</td></tr><tr><td>01</td><td>01</td><td>02</td><td>03</td><td>01</td></tr></table>

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
00	00	00	02	00

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

3.2.1.1. 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 the last five years(INR in Lakhs)

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
.5	0	0.5	.94	0

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	.94	0

3.2.2	Number of research centres recognised by University and National/ International Bodies

3.2.2.1. **Number of research centres recognised by University and National/ International Bodies**
Answer before DVV Verification : 2
Answer after DVV Verification: 0

3.2.3	Percentage of teachers recognised as research guides

3.2.3.1. **Number of teachers recognised as research guides**
Answer before DVV Verification : 15
Answer after DVV Verification: 12

3.3.3	Number of awards for innovation won by institution/ teachers/ research scholars/students during the last five years

3.3.3.1. Total number of awards for innovation won by institution/teachers/research scholars/students year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
03	05	12	01	01

Answer After DVV Verification :

25-09-2018 01:11:17

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	02	0	0

3.4.1	The institution has a stated Code of Ethics to check malpractices and plagiarism in Research Answer before DVV Verification : Yes Answer After DVV Verification: Yes

3.4.2	The institution provides incentives to teachers who receive state, national and international recognition/awards Answer before DVV Verification : Yes Answer After DVV Verification: No

3.4.3	Number of Patents published/awarded during the last five years 3.4.3.1. Total number of Patents published/awarded year-wise during the last five years Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
01	0	01	0	0

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
00	0	01	0	0

3.4.4	Number of Ph.D.s awarded per teacher during the last five years 3.4.4.1. How many Ph.Ds are awarded within last 5 years Answer before DVV Verification : 01 Answer after DVV Verification: 00

3.4.5	Number of research papers per teacher in the Journals notified on UGC website during the last five years 3.4.5.1. Number of research papers in the Journals notified on UGC website during the last five years Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
67	37	31	28	26

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
46	27	335	20	16

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

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

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
12	11	17	16	20

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
12	03	11	08	10

3.5.2	Revenue generated from consultancy during the last five years

3.5.2.1. Total amount generated from consultancy year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
21.5685	3.631	6.10	.723	.154

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
0	4.33	6.45	0.69	3.49

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

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

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
03	03	03	03	03

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
02	02	02	02	02

3.6.3	Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five

years

3.6.3.1. Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
05	03	03	04	05

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
00	00	00	00	00

3.7.1	Number of Collaborative activities for research, faculty exchange, student exchange per year

3.7.1.1. Total number of Collaborative activities for research, faculty exchange, student exchange year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
06	06	06	01	01

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
00	00	05	00	01

3.7.2	Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last five years

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

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
0	05	05	0	0

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
0	02	0	0	0

Remark : As per the HEI attachment with the original SSR linkage for project work with CSIO and BARC are the only valid linkages for which supporting documents have been attached.

3.7.3	Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

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

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
05	02	02	02	03

Answer After DVV Verification :

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

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

4.2.4.1. Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
27.42	45.25	36.90	0.57	0.50

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
44.76	48.66	36.17	0	0

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

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

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
22	30	16	16	08

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
22	34	16	16	08

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

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
22	30	16	16	8

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
22	34	16	16	8

5.2.3.2. Number of students appearing in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOEFL/ Civil Services/State government examinations) year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
240	240	180	120	100

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
240	240	180	120	100

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

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
06	05	06	02	00

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	00

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

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

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
72	55	36	35	42

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
10	5	1	2	3

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

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 the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
21	7	4	3	2

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
21	7	4	3	3

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

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 the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
72	57	35	40	40

Answer After DVV Verification :

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

72	57	38	43	44

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 Answer before DVV Verification : Any 3 of the above Answer After DVV Verification: Any 1 of the above
7.1.1	Number of gender equity promotion programs organized by the institution during the last five years 7.1.1.1. Number of gender equity promotion programs organized by the institution year-wise during the last five years Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
04	04	03	02	02

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
01	01	01	01	01

7.1.4	Percentage of annual lighting power requirements met through LED bulbs 7.1.4.1. Annual lighting power requirement met through LED bulbs (in KWH) Answer before DVV Verification : 5 Answer after DVV Verification: 1740
7.1.8	Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years 7.1.8.1. Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs) Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
0.089	0.489	0.108	0.058	0.063

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
0.089	0.489	0.108	0.057	0.063

7.1.9	Differently abled (Divyangjan) Friendliness 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)
	
	    Answer before DVV Verification : C. At least 4 of the above
	    Answer After DVV Verification: D. At least 2 of the above

7.1.10	Number of Specific initiatives to address locational advantages and disadvantages during the last five years 7.1.10.1. Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years
	    Answer before DVV Verification:
	
	    <table><tr><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td><td>2012-13</td></tr><tr><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td></tr></table>
	    Answer After DVV Verification :
	
	    <table><tr><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td><td>2012-13</td></tr><tr><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr></table>

7.1.12	
	Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff
	
	    Answer before DVV Verification : Yes
	    Answer After DVV Verification: Yes

7.1.13	Display of core values in the institution and on its website
	
	    Answer before DVV Verification : Yes
	    Answer After DVV Verification: Yes

7.1.15	The institution offers a course on Human Values and professional ethics
	
	    Answer before DVV Verification : Yes
	    Answer After DVV Verification: Yes

2.Extended Profile Deviations

ID	Extended Questions

| 1.1 | Number of students year-wise during the last five years |

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
1596	1675	1706	1752	1736

Answer After DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
1578	1675	1706	1752	1736

| 1.2 | Number of outgoing / final year students year-wise during the last five years |

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
458	437	463	490	387

Answer After DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
430	437	463	490	387

| 1.3 | Total number of outgoing / final year students |

Answer before DVV Verification : 2235
Answer after DVV Verification : 2207

| 2.4 | Number of full time teachers worked in the institution during the last 5 years |

Answer before DVV Verification : 254
Answer after DVV Verification : 90