

SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

**BHARAT-RATNA INDIRA GANDHI COLLEGE OF
ENGINEERING**

SOLAPUR-PUNE HIGHWAY NO 9 NEAR SOLAPUR UNIVERSITY KEGAON

SOLAPUR

413255

www.bigce.org.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

February 2018

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Introduction:

The promoting body is Kai. Sushilatai Gaikwad Bahuuddeshiya Sanstha, Solapur. The trust is established by a group of active and enthusiastic members with a sole intention of imparting education to the needy and to spread the activities for the betterment of the region.

Bharat-Ratna Indira Gandhi College of Engineering is established in 2006. We have got approval by the All India Council of Technical Education.

We believe that student learning is the main priority and all students can learn to their fullest potential. . By maintaining a safe and optimum learning environment, we provide the opportunity for students to be successful. Promoting high standards and expectations, faculty, administrators, parents, and the community share the responsibility for advancing the institution's mission. We have curriculum, laboratory and workshops designed to meet the academic, cultural, and social needs of individuals from the diverse backgrounds of our community. Our mission is to provide a high-quality, comprehensive, and meaningful education for all students. Each student will be expected to succeed within the bounds of their abilities and chosen professional goals

Vision

VISION

Technical Excellence for Social Transformation

As we know that the technical education will play a vital role in it through social reformers have played crucial role in the development of society, today we are in globalization era. The world is customized rapidly as well as the world is refining gradually. In such situation, BIGCE is contributing epoch making counterparts in the process of repaying. According to the need of inventing generation, BIGCE is providing ample of qualities and human resource.

We are creating every opportunity for our students for overall development. We are really proud of our innovative students who are strengthening themselves to face the challenges in the way and have emerged as winners.

Mission

MISSION

1. To achieve the growth through intellectual supremacy, technological advancement and ethical soundness

2. To provide high quality education and fair, honest, courteous profession in our stakeholder
3. To recognize the importance each individual human resource in the success of the institute.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

Institutional Strength

1. Name recognition –Bharat Ratna Indira Gandhi college of engineering has made a name in the field of engineering for imparting quality education. – It attracts diverse students from across the different districts of the state of Maharashtra.
2. Location (city & culture) - Solapur is a city located in the south-western region of the [Indian state](#) of [Maharashtra](#). Our district has the highest number of sugar factories (total 33) in [Maharashtra state](#) as well as in India. "Solapuri chadars" are the famous and first product in Maharashtra to get a [Geographical Indication](#) tag. Shri.Siddheshwar Temple during makar sankranti.
3. Entire campus under CCTV surveillance
4. Full-time faculty teach most classes, and there is a strong bond and a high level of interaction between faculty and students
5. Pollution free, lush green and eco friendly campus.
6. Well equipped laboratories with excellent infrastructure.
7. Excellent Academic Performance
8. Strong team work
9. Solar Plant of capacity of 50kW
10. Ragging free green academic environment.

Institutional Weakness

Institutional Weakness

1. Less out of state students
2. Inadequate industry presence

3. Lack of financial support for faculty Scholarship
4. Lack of major industries in the vicinity.

Institutional Opportunity

Institutional Opportunity

1. To become a leader in interdisciplinary and integrated learning
2. Using faculty expertise for training industry professionals in the areas of technical,
3. Motivating students for GATE and other competitive examinations.
4. Develop different sources of income through value added programs, to increase research funding consultation .

Institutional Challenge

Institutional Challenge

1. To attract quality students and quality senior staff.
2. To make 100% students employable.
3. Changing external environments in the Institute's functioning and development

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Curricular Aspects

Each department make individual vision and mission to develop effective teaching-learning environment in all the programs of study. To organize short-term courses, Workshops and Seminars for students on current technological developments. To conduct skill enhancement programs for students according to syllabus.

Experienced faculty and staff are putting their efforts to enable students to get good academic performance in the university examinations by taking extra classes. Continuous monitoring of syllabus coverage by individual faculty and assessment of students at the proper time period of the semester which helps in achieving consistent improvements. Student training programs conducted are used to bridge the gap between academic and industry. Various courses are conducted for professional development of the students for preparing them to industry ready.

Teaching-learning and Evaluation

Teaching-learning and Evaluation

The institute has formulated Academic Calendar before the beginning of Academic Year specifying curricular activities including teaching plan, learning and evaluation schedules and institute becomes successful in completing the curriculum within planned scheduled. All departments of institute having its own Vision and Mission in tune with the Vision and Mission of the Institute. Teachers are required to prepare subject wise course file including teaching plan, Program Outcomes (POs) which are aligned with graduate attributes and Course Outcomes (COs) for every course taught for effective deployment of the curriculum. And maintain it up-to-date. As per experience allotment of subjects is done to various faculty members of the department. Faculty members are encouraged and financially supported to participate in seminars, workshops, conference.

Course files are prepared by the individual faculty as given below in tabular form and these records are assessed by the concerned heads of department internally in the mid of semester to identify areas which need improvement.

Students are sent to various companies / industries for completion of their in training during their vacations. Students are motivated for doing research work and publication of papers in different technical events, journals etc. which are organized by different instituted Students are encouraged to participate in various technical competitions conducted in the institute and other institutes. Provided book bank facility free of cost for needy students. Expert lectures and industrial visits are arranged for students.

Research, Innovations and Extension

Research, Innovations and Extension

The faculty are duly recognized and encouraged to participate in various workshops and conferences, to remain abreast with latest knowledge and technology updates. Institute has made financial support for needs of the research. Furthermore, through workshops and seminars supporting mechanism, Standard Operating Procedure has been developed to encourage in the publications. Students and faculty are motivated to actively participated in industry sponsored projects.

Infrastructure and Learning Resources

Infrastructure and Learning Resources

The institute has been keeping pace with the changing needs and requirement to meet its academic growth. To keep the pace with the needs and requirements, additional infrastructure is being added from time to time. Building committee acts as a platform to provide planning and coordination for the building construction and maintenance of the Institute

Sports:

The institute values the importance of sound physical and mental health while undergoing the process of overall

development.

Outdoor games facilities:

In view of this, playground has been made available for various outdoor games. Required sports equipment's and tools are made available and updated regularly. These outdoor sports include football, cricket, volleyball, basketball, etc.

Indoor games facilities:

Institute has all indoor game facilities including carom, chess, etc.

The Institute aims at providing and developing good and modern infrastructure like classrooms, laboratories, library with reading room, internet facility, parking facility, canteen and hostel with separate mess for boys and girls in the campus.

All the departments are equipped with state of the art computing facility with advanced set of hardware and software.

Student Support and Progression

Student Support and Progression

BIGCE facilitates scholarships for students from Social Welfare Department (SWD) of the Government of Maharashtra. Financial support is given to economically weaker students through "Earn and Learn" scheme. Students are supported to prepare themselves for gate and other government competitive examinations and higher studies.

Extra-curricular and Co-curricular activities promoted by the institute act as a catalyst for overall personality development. Teacher Guardian meeting scheme is active in academics and resolving students personal challenges. Opportunity exists for all students to excel in academics and Sports. Anti-Ragging, Women's Grievance Redressal Cell, Anti-Sexual Harassment, and Student Disciplinary Committee has been formed for all around the campus which are fully functional in the institute. The institute satisfies the cultural needs of students whereby mega events such as Mahatma Gandhi Jayanti, Shiv Jayanti, Dr.B.R.Ambedkar Jayanti, Bhagat Singh Jayanti etc. are organized.

Governance, Leadership and Management

Governance, Leadership and Management

Institute Vision:

Technical excellence for social transformation

Institute mission:

To be responsible for the overall upliftment of the society through excellence.

The Management ensures a healthy, encouraging, participative and transparent environment needed for quality education. Principal, arrange the meeting regarding Management, prepares the quality policy of the Institute. Principal along with Head of Departments, plans academics, teaching learning Process and research activities accordingly.

The academic director co-ordinate and monitor the planning, also Organizing and execution of the academic calendar Monitor and act to improve the punctuality and the attendance of the students during lectures, laboratory work etc.

The HOD of the every department conduct individual Departmental Meetings regularly for Planning , organizing ,monitoring and execution of the academic activities according to the calendar. Also Monitor coverage of the syllabus to ensure that the coverage is steady and smooth. Observe and analyze faculty's teaching and provide them with necessary feedback for improving the effectiveness. Devise ways of improving the overall teaching effectiveness of the faculty and the quality of the courses taught in the Department. The faculty members are actively participate and contribute to enhancement of the system and processes by being part of quality circles also participate in quality enhancement workshops

Institutional Values and Best Practices

Institutional Values and Best Practices:

The Institute authorities are very alert on making the campus eco-friendly by adopting certain tasks and activities that are taken by the college to make the campus green and eco-friendly The Institute also adopts energy conservation practices, effective waste management at source and plantation for making the campus clean, green and healthy. Separate Electrical engineer is appointed at campus level to monitor day-to-day activities related to electrical maintenance and consumption. Trees are planted in the campus every year on certain occasions. Solar water heaters are used in both hostel premises to reduce electrical energy consumption. The institute is following biometric attendance system for faculty and staff. The institute arrange regular meetings for monitoring the curricular, co-curricular and extra-curricular activities. The institute motivate students for doing mini or major project from second year to final year. Students are encouraged for industry-sponsored projects. Institute supports mini and major projects by extending financial support in terms of equipment's and consumables as per the requirements of projects. The main objective of the practice is to get higher education and make the students self reliant. The institute conducts activities like practicing Aptitude, Group Discussion, General Knowledge. In addition to this, the institute also also conducts department wise technical programmes such as, CCNA, MATLAB programming etc. to enrich their technical skills.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	BHARAT-RATNA INDIRA GANDHI COLLEGE OF ENGINEERING
Address	Solapur-Pune Highway No 9 Near Solapur University Kegaon solapur
City	Solapur
State	Maharashtra
Pin	413255
Website	www.bigce.org.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Mahadeo Dnyanoba Patil	0217-2500480	9420490599	0217-2351480	ksgbs.bigcoe@gmail.com
Associate Professor	Rubina Jahangir Khan	0217-2311011	9518930152	0217-2351485	rubynak@gmail.com

Status of the Institution	
Institution Status	Private

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details

Date of establishment of the college	06-06-2006
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University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Maharashtra	Dr. Babasaheb Ambedkar Technological University	View Document
Maharashtra	Solapur University	View Document

Details of UGC recognition

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

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

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day, Month and year (dd-mm-yyyy)	Validity in months	Remarks
No contents				

Details of autonomy

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

Recognitions

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

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Solapur-Pune Highway No 9 Near Solapur University Kegaon solapur	Urban	10.15	18324.73

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Ug	48	H.S.C	English	60	1
UG	BE,Ug	48	H.S.C	English	60	1
UG	BE,Ug	48	H.S.C	English	60	2
UG	BE,Ug	48	H.S.C	English	60	0
UG	BE,Ug	48	H.S.C	English	60	9
UG	BE,Ug	48	H.S.C	English	60	1
PG	ME,Pg	24	B.E	English	18	0
PG	ME,Pg	24	B.E	English	18	0
PG	ME,Pg	24	B.E	English	18	0
PG	ME,Pg	24	B.E	English	18	2
PG	ME,Pg	24	B.E	English	18	0

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	5				26				73			
Recruited	0	0	0	0	0	0	0	0	9	0	0	9
Yet to Recruit	5				26				64			
Sanctioned by the Management/Society or Other Authorized Bodies	5				26				83			
Recruited	2	0	0	2	2	1	0	3	56	27	0	83
Yet to Recruit	3				23				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				30
Recruited	24	6	0	30
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				11
Recruited	8	3	0	11
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	0	0	0	0	0	0	1
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	1	0	0	2	1	0	56	27	0	87

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	0		1		1

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	7	0	0	0	7
	Female	7	0	0	0	7
	Others	0	0	0	0	0
PG	Male	0	0	0	0	0
	Female	2	0	0	0	2
	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	0	4	1	3
	Female	0	0	1	4
	Others	0	0	0	0
ST	Male	1	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	0	0	5	2
	Female	0	1	0	0
	Others	0	0	0	0
General	Male	1	5	6	37
	Female	1	1	1	11
	Others	0	0	0	0
Others	Male	1	4	0	18
	Female	0	0	0	10
	Others	0	0	4	0
Total		4	15	18	85

3. Extended Profile

3.1 Program

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

Response : 14

Number of self-financed Programs offered by college

Response : 00

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

Response : 05

3.2 Students

Number of students year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
249	411	538	1080	925

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
835	859	854	821	773

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

2016-17	2015-16	2014-15	2013-14	2012-13
60	203	245	339	281

Total number of outgoing / final year students

Response : 1128

3.3 Teachers

Number of teachers year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
57	67	78	78	90

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

2016-17	2015-16	2014-15	2013-14	2012-13
57	67	78	78	61

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

2016-17	2015-16	2014-15	2013-14	2012-13
119	122	122	139	62

Total experience of full-time teachers**Response : 241****Number of teachers recognized as guides during the last five years****Response : 11****Number of full time teachers worked in the institution during the last 5 years****Response : 367****3.4 Institution****Total number of classrooms and seminar halls****Response : 34****Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)**

2016-17	2015-16	2014-15	2013-14	2012-13
644	513	544	824	759

Number of computers

Response : 248

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

Response : 2.5078

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

Response : 1.961

NAAC

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

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

Response:

To provide stimulative environment for engineering education and develop students profile through innovative and dynamic co-curricular specialized knowledge bank. To establish industry institute-industry interaction cell to enrich the knowledge of the students with the help of expertise of industry and corporate personnel. To invite and promote collaborative projects with the cooperation of government and non-governmental organization also form career development and placement cell for the graduating engineers. To develop quality culture through faculty development programs, workshops, symposia and seminars devoted to technical fields and undertake techno-consultancy projects as a part of social responsibility, academically and thereby contribute to economic development of the nation. To strive for excellence in technical education Head of the Department instruct all the faculty to submit the updated lesson plan by end of each week and completed lesson plan by end of the semester. Progress of theory and practical subjects can be understood by the Head of the department through the content of the lesson plan. Objectives of each course define the depth and breadth of the subject, which leads us to decide what pedagogy should be adopted. The Institution conducts regular class tests and periodical tests to the students to monitor the outcomes of the curriculum. The performance is analyzed critically and remedial classes are organized to the needy students. Continuous evaluation system is in place in the laboratories and the students work is assessed during the lab work, followed by internal examination and finally the external University exam. Periodic assessment is made to analyze goal implementation and target realization to ensure that the Institution does not deviate from its stated mission and vision. Each department make individual vision and mission to develop effective teaching-learning environment in all the programs of study. To organize short-term courses, Workshops and Seminars for students on current technological developments. To conduct skill enhancement programs for students according to syllabus.

Experienced faculty and staff are putting their efforts to enable students to get good academic performance in the university examinations by taking extra classes. Continuous monitoring of syllabus coverage by individual faculty and assessment of students at the proper time period of the semester which helps in achieving consistent improvements. Student training programs conducted are used to bridge the gap between academic and industry. Various certificate courses are conducted for professional development of the students for preparing them to industry ready.

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

Response: 0

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

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

File Description	Document
Details of the certificate/Diploma programs	View Document

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

Response: 21.99

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

2016-17	2015-16	2014-15	2013-14	2012-13
03	04	04	01	03

File Description	Document
Details of participation of teachers in various bodies	View Document
Any additional information	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: 35.71

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

Response: 05

File Description	Document
Details of the new courses introduced	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: 11

File Description	Document
Name of the programs in which CBCS is implemented	View Document
Minutes of relevant Academic Council/BOS meetings.	View Document

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years**Response:** 4.78

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
20	20	24	24	40

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates cross- cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum**Response:**

Profession is a commitment to a designated and organized occupation by virtue of being an authority over a body of knowledge with requisite skills acquired through specialized training. An occupation becomes a profession when a group of people sharing the same occupation work together in a morally acceptable way with members setting and following a certain ethics code. A professional is a practitioner belonging to a specific profession. Professional ethics, as opposed to personal values and morality, is a set of ethical standards and values a practicing engineer is required to follow. It sets the standards for professional practice, and is only learned in a professional school or while practicing ones own profession. Today, it is

an essential part of professional education because it helps students deal with issues they will face.

The scope of engineering ethics envelopes diverse activities like

1. Engineering as a social experimentation
2. Engineers responsibility for safety
3. Role of engineers, managers, consultants etc.
4. Rights of engineers
5. Moral reasoning and ethical theories
6. Responsibility to employers
7. Global issues and concerns

The best way to teach engineering ethics is by using case studies—not just the disaster cases that make the news, but the kinds of cases that an engineer is more likely to encounter. Many real time cases are available or some hypothetical cases can be constructed and there are methods for analyzing them. Engineering ethics can be taught in a free-standing course, but there are strong arguments for introducing ethics in technical courses as well. If the subject of professional ethics is how members of a profession should, or should not, affect others in the course of practicing their profession, then engineering ethics is an essential aspect of engineering itself and education in professional responsibilities should be part of professional education in engineering, just as it is in law and medicine.

- Our organization rigorously concentrate on overall upliftment of the society through technical excellence .The institution conventionally conducts sensitization activity on issues like Gender sensitiveness in public and to encouraging women’s Empowerment our organization regularly arranged the “ **Mahila Gaurav Purskar**” for those women’s continually contribute social work.For Eco-Friendly Environment our organization create Electricity by using Solar Energy.And also conducting plantation program by NSS.

“Industry Institute Interaction with S.T. Workshop for advance techniques in Automobile engineering and also feild visit to irrigation and water power engg projects on Dams. Advance lecture on Internet . To understand the concept of signal transmission and radio program broadcasting.

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

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

Response: 4

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

Response: 04

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

1.3.3 Percentage of students undertaking field projects / internships

Response: 2.81

1.3.3.1 Number of students undertaking field projects or internships

Response: 07

File Description	Document
Institutional data in prescribed format	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 and 5) Parents for design and review of syllabus-Semester wise/ year-wise

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: C. Any 2 of the above

File Description	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

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: 0.02

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
0	0	0	01	0

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

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 13.46

2.1.2.1 Number of students admitted year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
04	19	35	196	167

2.1.2.2 Number of sanctioned seats year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
450	510	570	690	594

File Description	Document
Institutional data in prescribed format	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: 13.67

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
05	63	57	264	167

File Description	Document
Institutional data in prescribed format	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:

Yes, college provides special programs for the students based on their learning ability. Learning ability of student is then converted into general two categories one is advanced learner and other is slow learner. Faculty members engage extra classes and special guidance for the same.

College has very good mechanism of identification of student learning levels. Learning levels are identified through the mechanism like,

- Analysis of Previous Year Result
- Observation of students during lecture hour, tutorial and laboratory work.
- Continuous oral feed-back of students regarding understanding by asking suitable questions.
- Analysis of internal test
- Analysis of assignment and journal completion.
- Personal mentor
- Counsellor

Identification of students as slow or advanced learner is possible before the commencement of classes which is based on the analysis of previous year (Previous semester) result.

After monitoring the overall progress of the students following activities are taken for slow learners

- Special assistance is given during tutorial classes by giving extra assignments, supply designed work books and explaining critical concepts to improve their performance.
- Resource material made available on server or provide them whenever students require in need.
- College has provided necessary counselling to slow learners and their parents.
- Students are mentored by interactive sessions other than the regular classroom / laboratory contact hours.

- For slow learners and weak students the college conducts remedial sessions as per the requirement.
- Slow learners who are at the risk at the failures and dropouts are identified by continuous evaluation process. Extra sessions are conducted for such students. Individually students are mentored for performance enhancement.
- The students are directly admitted through lateral entry to the second year and join the institute late. They are at the risk of the failure as they miss some of the course and laboratory sessions. These students are helped with extra sessions.
- The institute has made provision of summer term to academically weaker students.
- Mentors are appointed to monitor and guide the slow learners by observing the assignments and class room notes of the students.
- Slow learners are being counselled by head of department and senior faculty on the regular basis and the findings have been contributed immensely to the growth of such students
- Institute provides book bank facility to slow learners.

Institute provides the special attention to the **advanced learners** with advanced information and recent challenging problems based on their subjects of interest. Special guidance for getting university ranks and motivated to students to participate in all competitions based on local needs.

File Description	Document
Link for Additional Information	View Document

2.2.2 Student - Full time teacher ratio

Response: 4.37

File Description	Document
Institutional data in prescribed format	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0

2.2.3.1 Number of differently abled students on rolls

Response: 00

File Description	Document
Institutional data in prescribed format	View Document

2.3 Teaching- Learning Process

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

Response:

The learning is made student centric by providing following appropriate support structures and systems.

- For each subject a question bank is provided and unit wise tests are conducted.
- Old university question paper bank is provided to each student.
- Students are encouraged to write assignment/tutorials.
- Expert lecturers from industries, academics, research are organized by each department.
- Institute arranges NPTEL series of lectures.
- Industrial visits are organized by subject teacher to understand the practical and applied application of the subject.
- Entire campus is made available with free Wi-Fi facility to make available all e-learning material
- A language lab is utilized by all classes and soft skill programs are organized. Institute level for each student.
- Frequent aptitude test and technical quiz are organized by the departments.
- Inter college events are organized to harness the potential of the students.
- Allowing students to prepare and present topics based on curriculum.
- Students are motivated to participate in inter-college events for paper presentation and project exhibitions.
- Laboratories are open to students for their self-experimental experience.
- Language laboratory facilities are provided beyond office hours which enable students to prepare for English communication etc.
- Seminar halls and tutorial rooms are provided for each department to arrange technical seminar and study work.
- Students are encouraged for self-learning and organizing various contests.
- Training and placement cell frequently organizes personality development programs.
- Major and mini projects are assigned to students.
- Learning with multi-media

In institute following facilities are made available for learning with multimedia.

- Digital library facility.
- Language laboratory facility.
- Availability of video lectures in CD form /on server.
- LCD projectors for presentation

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

Response: 0

2.3.2.1 Number of teachers using ICT

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

2.3.3 Ratio of students to mentor for academic and stress related issues**Response:** 4.98**2.3.3.1 Number of mentors**

Response: 50

File Description**Document**

Year wise list of number of students, full time teachers and students to mentor ratio

[View Document](#)**2.3.4 Innovation and creativity in teaching-learning****Response:**

- Institute has made available one class room per department with LCD, Wi-Fi and LAN connection.
- The Institute encourages the faculty to use proactive teaching methodologies such as quiz, brain storming sessions, group discussion and NPTEL lecture videos for making the session effective.
- Faculty members of the institute are dedicated out of commitment to deliver their lectures in an effective manner to enrich the knowledge of the student's community. They continuously experiment to evolve innovative teaching methodologies.
- Finding curriculum gap from university syllabus and bridge it in curriculum.
- Special attention on learning beyond syllabus through modern techniques.
- Using modern tools like power-point presentations and interactive teaching groomed awareness about presentation skills. This has reflected into increased number of participation in competitions/presentations.
- Faculty prepares question bank for the students.
- Students are motivated to write scientific and technical articles for college magazine
- Students are provided with platforms like seminars, project exhibitions etc. for their interpersonal skill development.
- Students are encouraged to get involved in industry sponsored projects as a part of their curriculum in final year.
- Institute always motivates the faculties to adopt and use new techniques and tools in teaching for betterment of students learning.
- Institutes have legal licensed software packages of software.
- Institute provides Awards for best teacher who gives 100% results every year in their respective programme.
- Institute appreciates faculties with Central feedback system and guides them accordingly.
- Training programs arranged for enhanced teaching-learning, leadership, faculty development.
- Institute provides Sponsorship & sabbatical leave for higher education.
- Teachers assigned for STTP are also trained by experts from industries to deliver best practices and contents to the students.
- Institute encourages faculties for attending national and international conferences.
- Faculty members are deputed for participating in the FDP, Work-shops and
- Industrial trainings to update their skills on recent technologies

2.4 Teacher Profile and Quality

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

Response: 64.25

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document

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

Response: 2.43

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
2	1	2	1	2

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

2.4.3 Teaching experience per full time teacher in number of years

Response: 4.23

File Description	Document
List of Teachers including their PAN, designation,dept and experience details	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: 2.93

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	1	0	0

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

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

Response: 8.63

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
10	12	10	12	5

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

2.5 Evaluation Process and Reforms

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

Response:

Each department has its own mechanism for continuous internal evaluation. The general overview of this process can be summarize as,

- Head of the Department is usually calling a meeting of persons from reputed academic, Industry experts, eminent alumni for the curriculum and innovative methods of implementation and to emulate the best practices in order to monitor and improve academic development, planning and monitoring.
- Department has exhibited Academic calendar before the commencement of classes every semester. Teaching loads are allocated to all faculties and time table is displayed on notice board well before the commencement of semester.
- Teachers are preparing teaching plan, practical plan (Course file) etc. before the commencement of classes.

- Teacher displays the assignment questions on the departmental notice board and last date of submission. Assignments are evaluated and teacher gives suitable grades/marks with the conversation to the concerned students for the further improvement in the subject.
- Internal evaluation is linked with attainment level of PO's and CO's. Students are made aware of course outcomes of all subjects in a semester.
- Monitoring mechanism is available in the institute for teaching learning and evaluation process.
- Rules and Regulations pertaining to evaluation of students under various courses are informed to them at the beginning of each semester.
- The subject in-charges and mentors monitor that the outline and schedule for the internal evaluation of courses is clearly communicated to the students. Mentors and through their meetings conducted with the students ensure the continuous internal evaluation.
- All the information about CIE is given to the students at the beginning of semester and report is displayed on the notice board.
- At the end of the term University conducts examination and evaluates the performance of the students.
- Institute carries out result analysis. Institute provides the information to IQAC and seeks the guidelines from it for further improvement.

File Description	Document
Link for Additional Information	View Document

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

Response:

An assessment scheme is designed to evaluate students learning and linked to attainment of PO's and CO's, series of innovative assessment techniques have been introduced by Solapur University like In Semester Examination (ISE)-30% and End Semester Examination (ESE)-70% weight. Internal assessment is practicing the departmental conduction of unit test, assignments and projects works for student evaluation and which is required to earn the in-depth subject knowledge for the course. Our first year of UG and PG is now (2017-18) affiliated with Dr. BATU Lonere, we followed their guidelines regarding examination and assessment.

Every faculty member prepares lesson plan and course schedule of ISEs, assignments, class tests and project before start of the semester and informs the students at the beginning of the course. Since institute follows the outcome based education, the teaching plan contains course description, course outcomes. The students are made aware of outcomes well before the start of the course.

The subject in-charges and mentors monitor that the outline and schedule for the internal evaluation of courses is clearly communicated to the students. Mentors and through their meetings conducted with the students ensure the continuous internal evaluation.

After every internal evaluation the marks/grades and answer sheet are shown to the students. In some exception cases oral explanation is given to the students for assignments and project related evaluation. As far as ISE examinations are concerned the answer books are shown to the students. In case any query is

raised by the student, the answer is checked again and if any valid deviation in the marks if present is being considered to finalize the marks. The re-examination (improvement test) is conducted for the students who fail in the ISE examination and the same procedure is followed to assess the answer books and declaration of result. In case of ESE examinations are concerned, if needed then photo copy is requested from the Solapur University and answer book is checked by concerned subject teacher and if any valid deviation in the marks if present then this will inform to Solapur University by submitting a mark claim form through the student. The Solapur University followed standard procedure to access the claimed answer book and declare the result. In this process Solapur University maintains its confidential code of conduct.

University results are analysed and report to the IQAC for further suggestions and improvements.

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

Response:

Yes, if any query raised then immediately solved in case of internal evaluation and if query is valid then necessary changes are made in the subject marks only for internal evaluation. But, in case of Solapur University related query raised then this is immediately brought into notice of Controller of Examination of Solapur University. Necessary follow up is taken by institute and if query solved by University then institute informs to concerned student immediately without fail.

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

Response:

The academic calendar is prepared by institute for undergraduate as well as postgraduate courses before commencement of every semester and consists of commencement of instructional activity, declaration of In Semester Examination (ISE) plans of department, mid-review of attendance and defaulter list, schedule of ISE examination and tentative schedule of End-semester examinations, review of performance of ISE, schedules of seminar, project work and PG dissertation work, end of instructional activity, declaration of ISE and test results. It is displayed on departmental notice boards. Subject loads are allocated to faculty members well before advance so that they could make the plans. Every faculty member prepares teaching plan for each theory and laboratory courses before the start of the semester. Academic calendar is the back bone of various teaching-learning plans prepared before start of every semester. Teaching plan includes Lecture number, Unit number, content of syllabus to be covered, methods of delivery, modern tool, papers referred, text book/reference book, website referred etc.

Every department in the institute keeps an eye on the quality of the teaching learning by- daily monitoring of teaching learning activities by the head of the department and respective class coordinator, continuous counselling through department meetings, students feedback on teaching- learning activity, brain storming in the meetings for different teaching strategies, In Semester Examinations having different modules, result analysis, The institute refers the academic calendar to adhere the planned curriculum and other activities.

File Description	Document
Link for Additional Information	View Document

2.6 Student Performance and Learning Outcomes

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

Response:

Yes, the Vision mission of institute and department, the Program Outcomes, Program Specific Outcomes for all programs offered by the institution are clearly stated and displayed on the notice board and displayed on the website and communicated to teachers and students by arranging meeting. The procedure for calculation of attainment of CO's and PO's are clearly explained to all staff members. We have adapted direct and indirect assessment of CO's and PO's .

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

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

Response:

Yes, Institute evaluated the attainment level of PO's, PSO's and CO's for the improvement of the teaching method of the existing programs implemented.

- Attainment of POs calculated and compared with goals or the threshold value. If attainment of any of the PO is not satisfactory then teaching methods are modified or arranging extra courses.
- Attainment of learning outcomes is calculated using both direct and indirect assessment methods like exam grades, course exit survey, graduate exit survey, In semester evaluations etc.
- Upon completion of the program, graduate exit survey of the students is conducted. This is used as one of the input for the revision of the teaching methodology.
- Alumni and employer surveys are conducted. Feedback received from these surveys is discussed in depth during meetings and are considered during load distribution, teaching planning and extra courses.
- Emphasis is given on experimental Learning.
- Formal and informal suggestions by experts from industries and Academic council members are taken for the improvements of academic and attainment of CO's.
- Department has regular meeting of all faculties in which the attainment of program objectives gets discussed and analyzed. The learning outcomes of the each course are also analyzed by obtaining

course end surveys. Discussions are held on the result and action plan to improve the attainment. To insure the attainment of the program outcomes various surveys were considered such as program exit survey, course end survey, alumni survey, employer survey etc.

2.6.3 Average pass percentage of Students

Response: 87.11

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

Response: 939

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

Response: 1078

File Description	Document
Institutional data in prescribed format	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Database of all currently enrolled students	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

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

Response: 0

3.1.1.1 Total Grants for research projects sponsored by the government/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
00	00	00	00	00

File Description	Document
List of project and grant details	View Document

3.1.2 Percentage of teachers recognised as research guides at present

Response: 14.04

3.1.2.1 Number of teachers recognised as research guides

Response: 08

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

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

Response: 0

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

Response: 00

File Description	Document
List of research projects and funding details	View Document

3.2 Innovation Ecosystem

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

Response:

The institution has conducted number of innovative workshops and seminars in all departments according to their course so that, to upgrade and get additional knowledge. The faculties are interacted with students for their selection of research project and encourage to develop the project with an innovative ideas. Institute is organizing the seminar competitive exams for students to make aware of that exams and how to prepare for that exam. The institute provide internet facilities in each department for searching. Number of books & course related magazine facility are provided at library. To develop the software skills of students the software's are available such as MATLAB, Keil, Flash magic, Autocad etc. which will increase the coding knowledge in project and research . For practical knowledge hospital training and industrial visits are conducted for students so that theoretical concepts should be cleared. Project exhibition is conducted, so that new ideas of project, software, hardware related will be upgrade by the students and faculty. Encouraging the students to participate in technical events at college or national level events so that their confidence level will be increased which is useful in the future. The institute is organizing Technokrest Event at National level in that number of events are conducted such as project exhibition , poster presentation, debit, quizzes, etc. on this base we are making facilities to transfer the knowledge from one to other .

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

Response: 1

3.2.2.1 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
0	0	0	0	01

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

3.3 Research Publications and Awards

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

Response: Yes

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

3.3.2 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
Any additional information	View Document

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

Response: 0

3.3.3.1 How many Ph.Ds awarded within last five years

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

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

Response: 0.12

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

2016-17	2015-16	2014-15	2013-14	2012-13
0	04	04	00	00

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

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

Response: 1.29

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

2016-17	2015-16	2014-15	2013-14	2012-13
23	23	23	10	09

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

3.4 Extension Activities

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

Response:

The institute encourages faculties and students to participate in the extension activities other than academic activities. The institute organizes number of such activities such as “Mahila Gaurav Purskar” on 17th Jan of every year. We also celebrate the great person’s Birth anniversaries such as Shiv Jayanti, Mahatma Gandhi Jayanti, Dr. B R. Ambedkar Jayanti, Bhagat sigh etc. The National days are also celebrated such as Republic day and Independence Day so that the students should be encouraged to contribute to the nation directly or indirectly and they should be proud to be the part of nation. Especially, for girls and ladies staff of institution, Dandiya/Garba program is celebrated as mark of holistic on Dussehra festival.

As the point of neighborhood community, the institute organizes number of awareness programs such as Cleanliness of Environment, Snake Awareness, Save Water Awareness, Awareness of Education, etc. at Kegaon village situated near to the college. Blood donation camps were held involving more than 150 students and staff donated blood.

For promoting Pollution free environment, cycle rally was held in Solapur City. For making “Solapur : A Smart City”, ideas were discussed.

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

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

Response: 2

3.4.2.1 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
0	01	01	0	0

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

3.4.3 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: 13

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

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

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
Any additional information	View Document

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

Response: 13.86

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

2016-17	2015-16	2014-15	2013-14	2012-13
50	100	65	10	110

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

3.5 Collaboration

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

Response: 20

3.5.1.1 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
04	09	02	03	02

File Description	Document
Number of Collaborative activities for research, faculty etc.	View Document
Any additional information	View Document

3.5.2 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: 4

3.5.2.1 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
01	01	02	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:

Our college encompasses a well maintained campus spread over 10.15 acres of serene green land. The existing infrastructural facilities are utilized both for conducting theory and practical classes.

Classrooms:

Our institution has sufficient number of well-furnished, well ventilated, spacious classrooms for conducting theory classes.

Laboratories:

All our laboratories are well equipped and well maintained not only for carrying out curriculum oriented lab practical's but also to carry out research activities. All the laboratories are established as per AICTE norms.

Technology Enabled Learning Rooms:

Each department in the college is provided with one E-classroom equipped with LCD Projector, audio system and internet.

Seminar Halls:

? college has a total of four seminar halls. College has two seminar halls to conduct conferences, seminars and workshops for students and faculty members as well.

? Big seminar hall has the capacity of 250 seating capacity and the small one has 100 seating capacity.

? They are equipped with LCD Projectors white boards, public addressing system with internet connectivity.

Tutorial Classrooms:

? Each department has tutorial classrooms to conduct tutorial classes to address the queries of the students even personal level doubts too.

? Tutorial classroom is equipped with black board, wooden benches, fans, tubelights etc., Facilities and Equipment's for teaching, learning and research:

? We do have a very spacious, well equipped Central Library with references and text books, journals, magazines, newspapers etc.

? Even we have Book bank facility where students can borrow the books and use for the complete semester

File Description	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:

Our college encompasses a well maintained campus spread over 10.15 acres of serene green land. Our Management believes in the all-round development of our students. There is a lots of encouragement for the students to participate in sports and culture activities simultaneously and thus they are awarded and rewarded accordingly.

? We have a spacious and well equipped Sports room, where students can play In door games like table tennis, chess, caroms etc.

? We have a Yoga sessions where students and faculty members do meditation and even practice in yoga.

Sports incharge has been appointed to take care of games and sports activities of the college. College teams are formed to take part in state level and University level competitions and other intercollegiate competitions.

Sports event competitions are conducted in the interdepartmental level in an academic year and the winners are awarded and rewarded accordingly.

The outdoor games such as shuttle badminton, volley ball, throw ball, cricket, football, kabaddi, hand ball etc. are well practiced and played by the students.

Cultural Activities:

Students are very much encouraged to participate in the cultural events held in the college like Technical fests, Fresher's, Annual Sports Day, Annual Day, Farewell etc., to exhibit cultural talents. Students are even sent to other colleges for intercollegiate competitions like dances, skits, mimicries etc.,

We got some clubs/ Committees to enhance the hidden talent of the students namely: Snakelike Literacy & Cultural Committee and Sports & Games Committee who play an excellent role for over all development of the student's community.

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

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc**Response:** 23.53**4.1.3.1 Number of classrooms and seminar halls with ICT facilities****Response:** 08**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:** 1.53**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
8.28	8.71	8.81	6.17	17.39

File Description**Document**

Details of budget allocation, excluding salary during the last five years

[View Document](#)

Audited utilization statements

[View Document](#)**4.2 Library as a Learning Resource****4.2.1 Library is automated using Integrated Library Management System (ILMS)****Response:**

An Integrated Library Management System (ILMS), also known as a library management system (LMS) is an enterprise resource planning system for library, used to track items owned, orders made, bills paid, and patrons who have borrowed. The Central Library of BIGCE is partially automated by Synthesis IMS (ERP) software.

The synthesis LMS is a Library Management System. This system enables efficient library administration to cater user services. The LMS system has various following modules as under; Circulation of material in the library provision is made to issue/return/renew for books, non-print material and serial circulation (Print Journals/Magazines). There is provision for immediate confirmation of library transactions through

the email and message alert facility. This will help in maintaining optimum stock of the concerned resources. Tracking of the library resources. This is an important module of the Integrated Library Management System (ILMS) to maintain and keep record the serials (Print Journals, Magazine, bound volumes and Newspapers).

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

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

Response:

The library of Bharat Rantna Indira Gandhi College of Engineering has collection of rare books for the BIOMEDICAL ENGINEERING Department. Also library has stock of books for the compititve exams like GATE, IES so that student as well as staff can access the books for enrichment of their knowledge. In this way BIGCE is keeping pace with rapidly growing technologies in the world.Great deal of motivation is being imparted by these books to ourstudents. The collection of editorials and important articles from all the national newspapers are displayed in the library to enrich the General Knowledge and Current Affairs of students.

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

4.2.3 Does the institution have the following:

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

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above**Response:** D. Any 1 of the above

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

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)**Response:** 8.79

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
3.32	2.24	12.02	12.22	14.17

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

4.2.5 Availability of remote access to e-resources of the library**Response:** No

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:** 5.23

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

Response: 16

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:

In Bharat Ratna Indira Gandhi College of Engineering all computers are connected with LAN and internet. It gives information via connectivity of 50 Mbps to BIGCE. BIGCE is Wi-Fi enabled to enjoy the internet irrespective of where you are in the campus. BIGCE has a very strong IT Departments which takes care of the updates of its IT facilities in terms of hardware and software upgrades, installation of new wifi devices when need arises, upgrading of firewall softwares. The college usages ERP in improving efficient teaching learning process besides increasing the automation in administration.

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

4.3.2 Student - Computer ratio

Response: 1

File Description	Document
Student - Computer ratio	View Document

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

>=50 MBPS

35-50 MBPS

20-35 MBPS

5-20 MBPS

Response: 35-50 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
Any additional information	View Document
Link to photographs	View Document

4.4 Maintenance of Campus Infrastructure

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

Response: 100

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
644	513	544	824	759

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:

Bharat Ratna Indira Gandhi College of Engineering has adequate physical facilities such as Laboratory, Classrooms, Computers for the students of the institute. The college keeps all Laboratories, computer facilities well maintained by allocating budget yearly as a part of teaching and learning processes. All class rooms and Laboratories are well equipped and well furnished. There is a house keeping department who look after cleaning of Classrooms and laboratories and entire campus regularly. The college has a beautiful greenery around with a garden. The college has appointed gardeners to take care of the garden. The college has 560 computers and internet facility. The computers are loaded with different softwares useful for different departments along with the basic tools with LAN connection. Also the office computers are connected to LAN and loaded with the required softwares, similarly library computers are also connected with LAN and loaded with library management software. The teaching staff has computer at their cabins so that they can use internet from their seating place. The maintenance of all computers and network is handled by system administrator and lab assistant. The college website is maintained and updated time to time. The college has emergency power generator.

File Description	Document
Link for Additional Information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

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

Response: 67.18

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
162	267	378	631	714

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](#)

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: 6.24

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
24	34	31	37	38

File Description

Document

Number of students benefited by scholarships and freeships besides government schemes in last 5 years

[View Document](#)

Any additional information

[View Document](#)

5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling
3. Soft skill development
4. Remedial coaching
5. Language lab
6. Bridge courses
7. Yoga and meditation
8. Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: C. Any 5 of the above

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

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

Response: 0

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
0	0	0	0	0

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

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years**Response:** 31.08

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
108	99	186	240	288

File Description**Document**

Details of the students benefited by VET

[View Document](#)

Any additional information

[View Document](#)**5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases****Response:** Yes**File Description****Document**

Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee

[View Document](#)

Details of student grievances including sexual harassment and ragging cases

[View Document](#)**5.2 Student Progression****5.2.1 Average percentage of placement of outgoing students during the last five years****Response:** 4.14

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
0	42	0	0	0

File Description	Document
Details of student placement during the last five years	View Document
Any additional information	View Document

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

Response: 61.67

5.2.2.1 Number of outgoing students progressing to higher education

Response: 37

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 1

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
0	0	1	0	0

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

2016-17	2015-16	2014-15	2013-14	2012-13
10	15	20	18	16

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

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution	
Response:	
<p>Bharat Ratna Indira Gandhi College of Engineering has an active Student Council. The college units have one student representatives who are elected in a proper channel, who meets with the staff members who are involved in helping the students to run the council. The objective of the council is to build a positive environment for all the students and staff, to give the students a voice and enable them to contribute to how their college can move forward in a positive way. The student council will give the students the chance to put forward their ideas and requests to the head teacher, teaching staff through their college representative at regular semester meetings.</p> <p>The student council representatives are elected by the class representatives.</p> <p>The student representatives are required to be working hard and engaging with college on a daily basis. They must strive to avoid behavioral issues during and after college. Generally, they are expected to be</p>	

helpful, courteous, and positive during college and after college hours.

The student council representative's duties are:-

- To liaise with his /her fellow peers, teachers and health staff.
- To listen to student requests during the community meeting.
- To bring student requests to formal student council meeting, this will take place on a half termly basis or as required.
- To take part in showing visitors around the college with staff support in a respectful way.
- To be the positive face of the student body for each college and behave appropriately.

Meetings take place after college at 5:30pm, within the lunch time break or during pastoral time.

Student council representatives meet with the teaching assistants on each unit as their contact persons.

All students are encouraged to feed back to their representatives and help us make continuous improvements to support everyone.

File Description	Document
Link for Additional Information	View Document

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

Response: 2

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
2	2	2	2	2

File Description	Document
Report of the event	View Document
Number of sports and cultural activities / competitions organised per year	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 institute established Alumni association in the current academic year 2017-18. We were conducting the alumni meet department wise. Every department Head of the institution is in contact with alumni. The institute invites the alumni every year to conduct guest lectures, seminars, workshops and Technical talk. The institute also invites the alumni for placement talks, entrepreneurship activities and financial contribution for the development of the students. The institute also gets the feedback from the Alumni informally and their valuable suggestions for improving the academics and carrier based opportunities for the present students.

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

? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

Response: <1 Lakh

File Description	Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years**Response:** 3

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
1	1	1	0	0

File Description	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:

Yes, the institute has a perspective plan for development. The institution takes effort in finding the key performance indicators for performance assessment and development

- To achieve technical Excellence for social transformation
- Affiliated to Dr. Babasaheb Ambedkare Technology University
- To develop a culture of research in the Institute and enhance the research aptitude of its faculty and students.

6.1.2 The institution practices decentralization and participative management

Response:

Yes, the institute does promote a culture of participative management. All decisions are taken by open discussions during staff meeting democratically and unanimously. Participative management is promoted by constituting different committees with representations from students and staff and making these committees to function. The quality policy of the institution has been

playing key role in development of the institute. The various levels at which it occurs are:

The Board of Governors, Local Managing Committee has faculty representatives. Hence decisions taken at the management level are open to inputs from the teaching fraternity.

6.2 Strategy Development and Deployment

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

Response:

- Meeting of Executive Director, Principal, Academic Director with HoDs
- Preparation of action Plan on Institution level
- Meeting of HoD with Faculty members
- Preparation of action Plan on Departmental level
- Committee formation and allotment of roles and responsibility
- It has also implemented the Dean system, with two deans respectively of Academics, Administration, Research and Development and Students
- To achieve excellence in technical education.

- To be recognized as one amongst the best institutions in India.
- To develop a culture of research in the Institute and enhance the research aptitude of its faculty and students

File Description	Document
Any additional information	View Document

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

Response:

The policy statements

The leadership of the institute which is composed of LMC, Principal, and a team of HODs ensures the implementation of the policies in line with institute vision and mission.

Role of Management (Executive Director, Principal, Academic Director, LMC)

The leadership supervises the implementation of the curriculum of the affiliating university and its allied activities. The salient contributions of the leadership are

- ? Development of academic activity plans every semester.
- ? Planning of Student Training Programs to enhance employability.
- ? Planning of staff training and career advancement activities.
- ? Design of co-curricular and extra-curricular activities.
- ? Planning for industry liaison.
- ? Framing the assessment and evaluation strategies.
- ? Weekly review of student attendance, syllabus coverage through HOD meeting.
- ? Review of mid-semester online feedbacks from students.
- ? Bi-annual budget planning.
- ? Feedback and review mechanism
- ? Appraisal system

? Finalization of vacancies for staff recruitment

File Description	Document
Any additional information	View Document

6.2.3 Implementation of e-governance in areas of operation

1. Planning and Development
2. Administration
3. Finance and Accounts
4. Student Admission and Support
5. Examination

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

Response: C. Any 3 of the above

File Description	Document
Screen shots of user interfaces	View Document
ERP Document	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:

Minutes of Meeting Date of Meeting : 13/12/2017 Venue : Board Room., Principal Cabin :-

An Important co-ordination committee for the AICTE, DTE, Solapour University and DBATU University.

Recognizing the above, following thrust areas have been identified which require immediate attention.
Point Discussed:

Advisers: Prof. M.S Deshpande(Executive Director),Dr. M.D. Patil (Principal)

Chief –Coordinator: Ms. Rubina Khan(Academic Director)

The work responsibility is assigned to all the committee member for the different committee as follows.

Member Civil HOD Dept: Mr. A.A Permpalli have to keep the information related and work computer labs all the work related to building plan and drawings.

Member Mech HOD Dept.:Mr. S.L. Dhanawale has to keep the information related a work related to AICTE and work allotted by the committee.

Member CSE HOD Dept: Mr. C.M. Jadhav Keep the information and work related to computer, Networking, internet, Video conference to VISAT, application software's, all college software's, website,

Member E&TC HOD Dept.:Mr. D.P. Patil has to keep the information related a work related to AICTE and work allotted by the committee.

Member BIO HOD Dept.:Mrs. Archana Burle has to keep the information related a work related to AICTE and work allotted by the committee.

Member ELE HOD Dept.:Mr. S.S Gade has to keep the information related a work related to AICTE and work allotted by the committee.

Member General Science HOD Dept.:Mr.Bipin Shinde has to keep the information related a work All student information related to AICTE and work allotted by the committee and Language lab.

Member Accountant .:Mr. V.R. Jadhav has to keep the information related financial aspects.

Member Registrar :Ms. H.M. Nagane : All information related to staff, recruitment, student information on facilities information of various committee(LMC, Governing committee, Sexual Harassment committee, Anti Ragging Committee, Special cell standing committee)

Hostel Boys and Girls Facility, Canteen facility etc.

Member Library:Mr.D.P.Patil and Mr.S.J Gotale

All the information related to volumes, titles, Nation and International Journals,e-journals, library Software digital library etc. and work allotted by the committee.

File Description	Document
Any 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 Bharat Ratna Indira Gandhi College of Engineering provide the below mention Welfare for the teaching and non –teaching staff

- ? Group insurance scheme
- ? Accidental insurance
- ? Registration fee for FDP programs
- ? Employee Provident Fund (EPF) with 100% gratuity for non-teaching staff
- ? Career enhancement benefits for those who wish to pursue Higher education.
- ? A paid leave for three months period is given to the faculty members pursuing PhD/Post Doctoral research
- ? Sports facility for staff

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: 3.86

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
11	0	0	0	0

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: 0

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
0	0	0	0	0

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: 7.72

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
14	4	1	4	1

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:

Academic Engagement and Performance: This section includes syllabus completion, attendance of students, exam result of subjects, feedback from students, and teaching and learning parameters.

Research and Academic Contributions: This section includes continuous improvement of faculty, FDP's/workshops arranged by faculty, grants received, sponsorship projects, participation in university exam related duties, etc.

Self-Development: This section includes books, research papers published by faculties, FDP's, value

added courses attended, projects guided, etc. Performance appraisal forms are submitted by each faculty after every academic year to see their improvement and progress in academic and

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

Accounts are audited regularly by certified Chartered Accountant appointed by the management. The Accounting Committee looks after the financial audit and it is presented to the certified Chartered Accountant. Funds received from reservation are required to distribute all the students in their account. This account is also verified and audited by government regularly. The last external audit was done in 2016-2017 completed in the second week of May 2017 and no major objections were raised during the audit.

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: 0

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
0	0	0	0	0

File Description

Details of Funds / Grants received from non-government bodies during the last five years

Document

[View Document](#)

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

Response:

The institute has a well-defined procedure to monitor effective and efficient utilization of available resources for infrastructure, development and teaching learning process. The financial resolutions of the institute are monitored and recommended by campus committee members. Finally, there are trustees of the society who approve and may guide with regard to the financial transaction of the institute. In addition to

this, the account of each financial year of the institute is audited by a chartered accountant. Thus, the utilization of financial resources is monitored at several levels.

In case of funded activities, where procurement is involved, standard purchase procedure of the

institute is followed. Institute assumes its responsibility for appropriate utilization of released funds either in single installment or multiple. Also, as per the guidelines of funding agency, submits the audited reports along with activity report to the funding agency through seeker.

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:

practices institutionalized as a result of IQAC initiatives)

IQAC used to discuss following points in meeting

- Seminars/conferences/workshop organization at the Institute
- Important decisions regarding to the research activities, various

facilities required in campus, FDPs.

- Feedback from stakeholders to improve quality in education.
- Mentoring the students.
- Developing infrastructure.
- Conducting internal assessment.
- Preparation of academic plan and calendar.
- Collection of feedback from students and alumni.
- Execution and monitoring of academic plan and activities

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:

- Verification of teaching plan and record of each faculty is carried out by IQAC members periodically. This ensures audit of all aspects of teaching-learning process.

- A separate audit about coverage of syllabus is conducted by every department every month.
- IQAC has designed the academic feedback form. Considering the complexity of subject, Head of Department decides the benchmark to treat the feedback as satisfactory.
- Every department submits the report of academic activities to the IQAC at the end of every semester.
- The faculties attend 'Faculty Orientation Workshops' of different subjects regularly.
- The institute encourages faculty to attend such workshops to understand the learner centric Pedagogy.
- For the change in syllabus, DBATU arranges such workshops along with the other institute to train the faculty for understanding the minute details of the syllabi.

File Description	Document
Link for Additional Information	View Document

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

Response: 0.8

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

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

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: C. Any 2 of the above

File Description	Document
Details of Quality assurance initiatives of the 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:

- ? Infrastructure development - expansion of the main building to accommodate increased New Department of BIOMEDICAL, Diploma Mechanical and Electrical as an expansion of the main building to accommodate increased intake.
- ? Modernization of the classrooms with LCD and internet
- ? Introduce online feedback system
- ? Implementation of Wi-Fi facility in the campus
- ? The introduction of ERP

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
1	1	1	1	1

File Description

Document

List of gender equity promotion programs organized by the institution

[View Document](#)

7.1.2

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

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

Response:

The Technical Campus has a robust security system with multiple checks at entry points for all persons and vehicles. Students wear ID cards at all times and outsiders are checked by security staff before allotting visitor IDs. Female faculty members ensure that all girl students leave the campus after late night events like Annual Day. Female faculty and girl students are regularly counselled on safety and security.

The institute supports the career progression and development of female professional and academic staff. It provides women with opportunities to grow in their leadership capabilities, build professional skills and participate in important administrative roles in the college.

File Description

Document

Any additional information

[View Document](#)

7.1.3 Alternate Energy initiatives such as:**1. Percentage of annual power requirement of the Institution met by the renewable energy sources****Response:** 19.44

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

Response: 14000

7.1.3.2 Total annual power requirement (in KWH)

Response: 72000

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

7.1.4 Percentage of annual lighting power requirements met through LED bulbs**Response:** 5.56

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

Response: 4000

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 72000

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 & Liquid waste management Dust bins marked with “Keep Clean Be Green” have been provided for waste collection. The waste in the campus is disposed in an eco-friendly manner without polluting the

environment. Adequate exhaust provisions are made in the Chemistry laboratory and Environmental laboratory to drive out acid fumes. Liquid chemical wastes generated from the laboratories are diluted/neutralized and then discharged. The life of electronic equipment is extended by appropriate upkeep and minor repairs carried out by laboratory experts. and reused in the campus itself. This way the e waste generation is reduced to some extent. Electronic and computer accessories are given to licensed vendors for recycling.

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

The constant water supply to campus is ensured through enough storage capacity and provisions are made to collect rain water and store it in the pond. Monsoon runoff of roof top water is collected in the pond and used for garden irrigation. In this way better utilization of rain water for campus is achieved by properly adopting the rain water harvesting technique. A survey has been carried out and storage tanks are being constructed in the campus. Trees and lawns are maintained with water drips and sprinklers to avoid water wastage. Waste water is used for gardening.

File Description	Document
Any additional information	View Document

7.1.7 Green Practices

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

Response:

Some of our students from nearby students come by cycle to college. Since inception the college has provided transport for faculty and students coming from faraway locations. The well laid out campus has footpaths for pedestrians and security personnel at all blind turns and crossings within the campus. The adoption of ERP is phasing out the use of paper used in student data, leave applications, lecture planning etc. The campus was landscaped and planted with shade giving trees before the commencement of building activity. Thus the fully grown trees provide adequate green cover and reduce greenhouse gases.

File Description	Document
Any additional information	View Document

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

Response: 2.48

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
8.87	7.81	22.02	25.78	17.57

File Description	Document
Green audit report	View 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: C. At least 4 of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document
Any additional information	View Document

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

Response: 2

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
1	1	0	0	0

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

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

Response: 2

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	0	0	0

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

7.1.12

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

Response: Yes

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

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

Response: Yes

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

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document
Any additional information	View Document

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

Response: Yes

File Description	Document
Any additional information	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: Yes

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: 1

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

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

Response:

The institutions diligently and with fervor follows and practices all prominent national and state functions . The institution practices pluralist approach towards all religion functions and encourages the students and faculty to showcase the same. Republic Day, Independence Day, Ganesh Festival, Guru Purnima, Gandhi Jayanti ,Shivaji Jayanti, Maharashtra Foundation Day ,Teacher's Day, Engineers Day, Founders Days , to name a few Bhagat Singh, Mahatma Gandhi are conducted every year and participation is made compulsory for each and every one.

File Description	Document
Any additional information	View Document

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

Response:

The functions of the institution and its academic and administrative units are governed by the principles of participation and transparency. Formulation of development objectives, directives and guidelines with specific plans for implementation by aligning the academic and administrative aspects improves the overall quality of the institutional provisions. Effective leadership by setting values and participative decision-making process is key not only to achieve the vision, mission and goals of the institution but also in building the organizational culture. The formal and informal arrangements in the institution to co-ordinate the academic and administrative planning and implementation reflects the institutions efforts in achieving its vision. The institution has developed strategies for mobilizing resources and ensures transparency in financial management of the institution.

7.2 Best Practices

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

Response:

Teaching Learning Process Objectives of the Practice: College assesses the learning needs of every student at entry level to establish specific learning objectives, develop teaching - learning strategies and plan of action. Each student gets an opportunity to learn at his pace and pass percentage is improved.

The Context: Academically bright students from non-urban backgrounds are daunted by the change of culture and face adjustment issues, addiction risks and language problems which need atypical teaching methods. **The Practice:** The teacher first introduces and discusses the topic and encourages students to share their understanding of the topic. Slow learners are thus identified during the first fortnight of theory classes. After completion of their practical, extra coaching is provided and topics taught in the class are revised. Difficult problems are initially set only for advanced learners who are encouraged to visit the library to read up journals and papers. Home assignments and class tests help to evaluate overall performance and understanding levels. Attendance is monitored regularly and only students fulfilling the 75% attendance criterion are permitted to submit feedback regarding the teaching learning process. Feedback is reviewed regularly and every teacher is motivated to do their best. **Evidence of Success:** The results of year-wise annual examinations show a marked increase in the pass percentage from first to final year of the four year engineering course

The Context: The mentor assigned to every batch of 20 to 25 students strives to understand students' academic and personal problems and also identifies those in need of extra academic coaching or personal counselling. **The Practice:** Regular counselling right from entry level helps our students to cope with the culture changes and also warn them of the pitfalls while dealing with urban peer pressures. The mentor encourages students to explore co and extracurricular opportunities on the campus to ensure all round holistic development. Sessions are conducted during practical slots allocated in timetable. Attendance is strictly monitored, reasons for low attendance discussed and parents contacted. College conducts regular life skills and career counselling sessions, workshops for students on personality development, time management, soft skills and communication skills, engineering career options, placement opportunities, career development and professional practices. Every student is encouraged to participate in co and extracurricular activities and sports matching with his hobbies and interests. **Evidence of Success:** Students coming from semi-rural and rural backgrounds are groomed successfully to face on campus interviews of leading companies and industries. Our mentors have changed depression into determination to face academic and personal challenges. Students have been coaxed to work hard, overcome difficulties and achieve remarkable success. **Problems Encountered and Resources Required:** The limited window for one on one personal interaction with students outside the classroom limits the effectiveness of all counselling and mentoring activity

The Institute also opens suggestion box kept for all students once in 4 weeks and action is taken immediately on those valid suggestions if any.

File Description	Document
Any additional information	View Document

7.3 Institutional Distinctiveness

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

Response:

Institution distinctively of its vision, priority and trust, engages students and involve them to develop indigenous products. These products are critical towards achieving Academic Excellence through practice, thereby exposing students to inculcate lifelong learning habit. Students develop and manufacture basic classroom products like benches, tables etc in our esteemed workshop itself which will help the students to develop manufacturing techniques in them under the Earn and Learn scheme designed by us. Ambience of teamwork and life skills are learnt hereby which gives the students a better approach to face hereafter. Institution also takes camps and workshops related with cleanliness awareness and women empowerment.

5. CONCLUSION

Additional Information :

Bharat ratna Indira Gandhi College of Engineering believes in its involvement toward the engineering sector, and applying for NAAC is a very important step for getting Quality assurance. Also, the institute is willing to assess and make necessary changes as per requirement for its quality education. Hence NAAC Application is a step towards self-inspection leading to a further development of the institute focused on excellence.

Concluding Remarks :

Bharat ratna Indira Gandhi College of Engineering commenced in 2006 with the programmes in our disciplines. Since the institute has been developing the overall functioning year-wise, keeping in line with its vision and mission. In order to achieve its mission, the institute has a well-built system of governance that provides leadership and support at all times for enhancing teaching, learning, and producing professionals who demonstrate a high level of ethical and moral conduct. We ensure that every year, passed students look back at us and say the BIGCE has not merely taught us, it has educated us.