



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1. Name of the Institution

KRUPAJAL ENGINEERING COLLEGE

- Name of the Head of the institution **Dr. DILLIP KUMAR BISWAL**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**
- Phone no./Alternate phone no. **917894438137**
- Mobile no **7894438101**
- Registered e-mail **kec_principal@krupajal.ac.in**
- Alternate e-mail **bibsraith@gmail.com**
- Address **KRUPAJAL ENGINEERING COLLEGE, AT-PRASANTI VIHAR, Near CIFA, PUBASASAN, KAUSALYA GANGA, BHUBANESWAR-751002**
- City/Town **BHUBANESWAR**
- State/UT **Orissa**
- Pin Code **751002**

2. Institutional status

- Affiliated /Constituent **Affiliated**
- Type of Institution **Co-education**
- Location **Rural**

- Financial Status **Self-financing**
- Name of the Affiliating University **BIJU PATNAIK UNIVERSITY OF TECHNOLOGY**
- Name of the IQAC Coordinator **Dr. KAILASH CHANDRA ROUT**
- Phone No. **06742590008**
- Alternate phone No. **06743253140**
- Mobile **9338659007**
- IQAC e-mail address **kailash.rout@gmail.com**
- Alternate Email address **suvrakantapal@krupajal.ac.in**

3.Website address (Web link of the AQAR (Previous Academic Year)) <https://www.krupajal.ac.in/page.php?page=aqar-report>

4.Whether Academic Calendar prepared during the year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: <https://www.krupajal.ac.in/page.php?page=academic-calender>

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.07	2008	28/03/2008	27/03/2013

6.Date of Establishment of IQAC **23/03/2023**

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nil	Nil	Nil	Nil	Nil

8.Whether composition of IQAC as per latest NAAC guidelines **Yes**

- Upload latest notification of formation of IQAC [View File](#)

9.No. of IQAC meetings held during the year <https://www.krupajal.ac.in/page.php?page=iqac-report>

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**
- If No, please upload the minutes of the meeting(s) and Action Taken Report **No File Uploaded**

10.Whether IQAC received funding from any of the funding agency to support its activities during the year? **No**

- If yes, mention the amount

11.Significant contributions made by IQAC during the current year (maximum five bullets)

ICT facilities Slow learner and advance learner Add on courses FDP for non teaching IPR seminar

12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
IPR seminar/ workshop	three conducted
FDP for non teaching	two conducted

13.Whether the AQAR was placed before statutory body? **Yes**

- Name of the statutory body

Name	Date of meeting(s)
Governing Body	31/12/2021

14.Whether institutional data submitted to AISHE

Part A**Data of the Institution**

1.Name of the Institution	KRUPAJAL ENGINEERING COLLEGE
• Name of the Head of the institution	Dr. DILLIP KUMAR BISWAL
• Designation	Principal
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• Registered e-mail	kec_principal@krupajal.ac.in
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• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Rural
• Financial Status	Self-financing
• Name of the Affiliating University	BIJU PATNAIK UNIVERSITY OF TECHNOLOGY

• Name of the IQAC Coordinator	Dr. KAILASH CHANDRA ROUT				
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• IQAC e-mail address	kailash.rout@gmail.com				
• Alternate Email address	suvrakantapal@krupajal.ac.in				
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4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.krupajal.ac.in/page.php?page=academic-calender				
5.Accreditation Details					
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6.Date of Establishment of IQAC			23/03/2023		
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
Nil	Nil	Nil	Nil	Nil	
8.Whether composition of IQAC as per latest NAAC guidelines			Yes		
• Upload latest notification of formation of IQAC			View File		
9.No. of IQAC meetings held during the year			https://www.krupajal.ac.in/page.php?page=iqac-report		
• Were the minutes of IQAC meeting(s)			Yes		

and compliance to the decisions have been uploaded on the institutional website?	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
<ul style="list-style-type: none"> If yes, mention the amount 	
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Plan of Action	Achievements/Outcomes
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13. Whether the AQAR was placed before statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	
Name	Date of meeting(s)
Governing Body	31/12/2021
14. Whether institutional data submitted to AISHE	
Year	Date of Submission
2021	31/01/2022
15. Multidisciplinary / interdisciplinary	

The National Education Policy (NEP)-2020 highlights on overall personality development of individual by inculcating 21st Century education skills to learners. NEP-2020 mentions that "Education would be aimed at developing all capacities of human beings - intellectual, aesthetic, social, physical, emotional, and moral in an integrated manner. A multidisciplinary and holistic learning is an integral education model that will relax the discipline boundaries for learning and make the system flexible enough for students to learn sciences, mathematics with humanities, languages, social sciences, professional skills, soft skills, ethics, morality, human values etc. In combination according to their needs and interests with the aim towards integrated competencies development including intellectual, aesthetic, social, physical, emotional, and moral. With such approach a student is no longer required to be confused on: Whether he can learn Mathematics and Psychology together. Now the answer lies in his interest only. If he wants to learn, he can not only learn but can choose an appropriate career option for him as well.

The first step towards transforming an institution into a holistic multidisciplinary institution is to establish a clear vision and mission that align with the desired outcomes. The vision and mission should reflect the institution's commitment to interdisciplinary education and its focus on producing graduates who possess a broad range of knowledge, skills, and abilities. For this purpose Nalanda institute of technology has modified its structure and introduced ENTREPREURSHIP CLUB or E-club where students of the institute had competition such as they can give a pitch of their business idea, and/or business plan in which students write complete business plans. Time to time institute organizes brainstorming session for students in which they try to find solutions for problems related to technology, society, etc. It involves active participation of students with individual ideas unique to each other. Colleges start programs or additional courses which encourages creativity among students.

16.Academic bank of credits (ABC):

UGC has introduced the "Academic Bank of Credits. It is a virtual/digital storehouse that contains the information of the credits earned by individual students throughout their learning journey. It will enable students to open their accounts and give multiple options for entering and leaving colleges or universities. There will be "multiple exits" & "multiple entries" points during the higher education tenure & credits will be

transferred through the ABC seamlessly. ABC can be considered as an authentic reference to check the credit record of any student at any given point in time. Thus, the concept of ABC is fuel to boost the efficiency of faculty and help students embrace a multi-disciplinary educational approach. The idea is to make students "skillful professionals" and help their overall growth. The institution has taken several initiatives to fulfill the requirements of the ABC as proposed in NEP 2020. The institution has revised its curriculum to ensure that it is modular and allows for multiple entry and exit points. The institution has also developed a credit transfer policy to facilitate the transfer of credits between programs and institutions. The institution has also set up a credit bank to manage the accumulation and transfer of credits. Yes, the institution has registered under the ABC to permit its learners to avail the benefit of multiple entries and exits during the chosen program. The institution has developed a credit transfer policy and has set up a credit bank to manage the accumulation and transfer of credits. Learners can transfer credits earned at the institution to other institutions and vice versa. The institution has taken several efforts to enable seamless collaboration, internationalization of education, joint degrees between Indian and foreign institutions, and to enable credit transfer. The institution has signed MOUs with several foreign institutions to facilitate joint research, student exchange programs, and joint degree programs. The institution has also developed a credit transfer policy to facilitate the transfer of credits between programs and institutions. Faculties are encouraged to design their own curricular and pedagogical approaches within the approved framework, including textbook, reading material selections, assignments, and assessments. The institution has set up a curriculum development center to support faculty members in the design and development of new courses and programs

17.Skill development:

The institution has taken various measures to strengthen the vocational education and soft skills of students in alignment with National Skills Qualifications Framework (NSQF). It has revised its curriculum and introduced new courses to meet the needs of industry and society. The institution has also collaborated with various industries and vocational training providers to offer industry-relevant training and internships to students. Soft skills training is integrated into the curriculum and students are provided with opportunities to develop their communication, teamwork, leadership, and problem-solving skills.

The institution offers various vocational education programs, including diploma courses, certificate courses, and apprenticeship programs, in sectors such as hospitality, tourism, healthcare, automobile, electronics, and construction. The institution has also introduced vocational subjects in mainstream education, such as entrepreneurship, financial literacy, and communication skills. The institution has set up centers of excellence in collaboration with industries to provide students with hands-on training in various vocational skills. The institution provides value-based education to inculcate positivity among learners by integrating humanistic, ethical, Constitutional, and universal human values into the curriculum. The institution conducts various programs to develop the students' character, such as yoga and meditation, community service, and social outreach. The institution also organizes seminars, workshops, and talks on topics related to human values, citizenship values, and life-skills. The institution's efforts to promote vocational education include: Designing a credit structure to ensure that all students take at least one vocational course before graduating. The institution has made it mandatory for students to complete a vocational course as a part of their degree program. Engaging the services of industry veterans and master craftspeople to provide vocational skills and overcome gaps vis-à-vis trained faculty provisions.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

. The institution has developed a strategy to integrate the Indian Knowledge system into the curriculum using both offline and online courses. The strategy includes revising the curriculum to include courses on Indian culture, philosophy, and history, and offering these courses in Indian languages. The institution has also set up a center for Indian Knowledge system to promote research and teaching in this area. Online courses are being developed to reach out to learners who cannot attend regular classes, and efforts are being made to ensure that these courses are accessible in Indian languages. The institution plans to train its faculties to provide classroom delivery in bilingual mode (English and vernacular) through various programs, such as workshops, seminars, and training sessions. The institution has also introduced a language proficiency test to assess the language skills of faculty members and to provide them with language training as required. The institution offers degree courses in various Indian languages, such as Hindi, Tamil, Kannada, Telugu, Malayalam, and Bengali. The institution also

offers bilingual degree courses, where some subjects are taught in English and others in Indian languages. The institution's efforts to preserve and promote Indian languages, ancient traditional knowledge, arts, culture, and traditions include organizing seminars, workshops, and conferences on these topics.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

OBE insists upon determination of course outcomes as the first step in designing the curriculum, and enables self-assessment of learners to measure their progress towards attaining the outcomes. OBE is a very clear system, from programme planning to the declaration of assessment results. It is a student-centric teaching and learning methodology in which the course delivery and assessment are planned to achieve stated objectives and outcomes. It focuses on measuring student performance i.e. outcomes at different levels. OBE helps assess and compare every student's achievement records to decide their course of action in a new environment. Additionally, institutions can compare themselves, by checking to see what outcomes they have in common and work the areas to improve. Outcome-based learning is an approach that places emphasis on the desired learning outcomes or goals that students are expected to achieve. In an engineering college, outcome-based learning would mean that the curriculum and instruction are designed in such a way that students are equipped with the necessary knowledge, skills, and abilities to meet the demands of the engineering profession. At present, Outcome Based Education or the OBE System is being widely used by leading institutions across the world. Many of the educators have developed a curiosity to understand the reason behind the ongoing learning transformation. Well, the reason is simple!

Outcome based education is an educational methodology where each aspect of education is organized around a set of goals (outcomes). Students should achieve their goal by the end of the educational process. Throughout the educational experience, all students should be able to achieve their goals. It focuses on measuring student performance through outcomes. The OBE maps & measures students' performance at every step. The OBE model aims to maximize student learning outcomes by developing their knowledge & skills.

20.Distance education/online education:

To offer vocational courses through ODL mode, THE institution is ensuring that the courses are designed and developed based on the industry's demands, and the learners are provided with practical

training and hands-on experience. The institution also has a robust support system, including academic and technical support, counseling services, and placement support for the learners. Technological tools have become an integral part of teaching-learning activities in institutions, and the development and use of these tools can significantly enhance the learning experience. So institute is developing the technological tools and bringing more and more tools for the use.

Learning Management Systems (LMS): LMS is a platform that enables institutions to manage and deliver educational content and resources to learners. It can also facilitate communication and collaboration among learners and teachers. **Multimedia resources:** Multimedia resources such as videos, animations, podcasts, and info graphics will be provided for an interactive and engaging learning experience.

Extended Profile

1. Programme

1.1 Number of courses offered by the institution across all programs during the year	11
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File Description	Documents
Data Template	View File

2. Student

2.1 Number of students during the year	2072
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File Description	Documents
Institutional Data in Prescribed Format	View File

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	191
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File Description	Documents
Data Template	View File

2.3	542
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	View File
3.Academic	
3.1	131
Number of full time teachers during the year	
File Description	Documents
Data Template	View File
3.2	130
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	54
Total number of Classrooms and Seminar halls	
4.2	1016.59
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	620
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

As an affiliated College, the Institution follows curriculum

provided by its affiliating university, BPUT. Courses of the curriculum are allocated to faculties based on their field of expertise and interest well before the starting of the semester by the Head of the Departments. Apart from this the institute conducts a meeting with Internal and external experts from academia and experts from Industry and Alumni periodically for enriching the curriculum by providing industry-oriented courses apart from curriculum. The prerequisite, course outcomes and programme outcome mapping, books to be referred, methods of instructional delivery are documented by concerned subject faculty and this road map is approved by the HODS before the starting of the semester. Course handling faculties are provided with the responsibility of framing the lecture plan of delivery, preparation of lecture notes for all topics as in the curriculum, devising the assignment topics and tutorial problems which are required to be approved by the Head of the department and Principal before the commencement of the semester. At the starting of the course, faculties are required to highlight course objectives, outcomes of the course, contents of each unit and its applications in the related domain to the students. In addition to traditional teaching methods, video lectures, NPTEL lectures, PowerPoint presentations, projects, case studies etc are being conducted from time to time.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Being an affiliated institute Krupajal Engineering College follows the academic calendar published by affiliating university. University publishes the academic calendar well before the starting of each semester. Based on the University Academic Calendar institute level academic calendar is prepared by a team consisting of Principal and all HODs. Each department prepare their academic calendar for accommodating class tests, Quiz tests and other department specific activities based on the College Academic Calendar. Both departmental and College academic calendar are published in notice boards and website. All Examinations and other activities are conducted strictly based on the Academic Calendar only.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	Nil

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.

Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

11

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	No File Uploaded

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

19

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

2010

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	No File Uploaded

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The present curriculum included topics such as Gender equality, Environmental consciousness and sustainability, Human Values and Professional Ethics into the Curriculum. Final year students are encouraged to take projects which address interdisciplinary issues viz. Green energy, Robotics, IOT, Digital Manufacturing etc. Equal opportunities are given to both the genders in terms of admissions, employment, training Programs, sports activities etc., and so gender issues do not arise. College supports women faculty and students in many aspects ,and encourage them to participate in events focusing on women empowerment and promoting leadership qualities in women. .Women's day is celebrated with vigor in the institution campus. Girls and boys participate in various co-curricular activities such as paper presentations, Musical night, group discussions and technical quiz programs. Both boys and girls are made members of various clubs associated with academic, co-curricular and Extracurricular activities. Students have a

compulsory course on Environmental Science and Engineering. Students are taken for industrial visits and effluent and water treatment plants and places that will educate them on environmental issues. Awareness programs are also initiated by NSS, Tree Plantation, Environment Club which extensively carry out activities for environmental protection and ecological preservation. The curriculum includes courses on professional ethics and IPR and human rights.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	No File Uploaded

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

11

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	No File Uploaded

1.3.3 - Number of students undertaking project work/field work/ internships

1972

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	No File Uploaded

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders
Students
Teachers
Employers
Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://www.krupajal.ac.in/
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
Any additional information	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	https://www.krupajal.ac.in/

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

487

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

202

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Every year the institution organizes Orientation and induction programmed for the new batch students. This programme would help both new students and their parents to get comfortable with the institution, facilities provided, rules and regulation etc. Bridge classes are conducted in the beginning to lift the students to next level of higher education. The classes are conducted as per the specially designed curriculum with all basic science subjects, Basic English and computer fundamentals. The Syllabus is pre-designed keeping in point of view of psychology and intellectual level of new-comers. The institution assesses the learning level of learning of the students in two ways at the beginning of the programme. Students enrolled in various disciplines, have to appear an entry level test (Snap Test) conducted by the institution. Based on the performance in the test and then, their +2 marks, they are identified as either advanced (Fast) or slow (weak) learners. In order to motivate them, special tutorial classes are arranged to bridge the gap between the slow learners and advanced learners. Different workshops and induction programme are organized to enhance their skills and make them confident to compete in the main stream.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2072	131

File Description	Documents
Any additional information	No File Uploaded

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

Student centered learning approach is focusing the teaching methods that transforms the instruction from the teacher to the student. It is defined as the extent to which the students are involved actively in constructing new knowledge and understanding. The institution is committed to ensure the development to fits students through a student-centric learning process. Here, the teachers make their classes studentcentric where students are in focus and they play the central role. They are actively engaged in the learning process in a collaborative nature along with their peers and under the guidance of teachers. Students engaged in learning activities with their peers are more likely to participate in other effective educational practices and have gained positive views of the active learning environment.

Experimental learning:

1.Summer Internship

2.Industrial Visits

3.Projects

Participative Learning:

1.Think-Pair-Share

2. Brainstorming**3. Case Studies****4. Gamification****5. Seminars or Workshops****6. Creativity****7. Hobby Club activities****Problem Solving Methodologies:****1. NPTEL, SWAYAM On line courses****2. Use of Technologies****3. Programming Contests**

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The ICT enabled teaching methodologies and advanced technology is being followed by all the faculties of the institution in their class rooms. It will help the teachers of the institution to offer quality e-content for both inside and outside classroom situations and also to a large number of learners in a structured, flexible and open way. It also provides opportunities for all teachers and students to communicate with one another through email, mailing lists, chat rooms etc. The academic plan with budget, lesson plan, lab manuals and question banks with solution are made available at the very beginning of the semester. The use of multimedia teaching aids like, LCD projectors, classrooms with internet enabled computer/laptops/tablet systems are usually adopted inside classroom. The electronic resource packages like TCS-ION, NPTEL and Digital Library are available and are used by all faculties. The faculty members effectively utilize Audio Visual aids to demonstrate the concepts to the students using the resources from

NPTEL, You-tube to enhance the learning experience of students. The quiz and surprise tests are conducted through different online platforms like ZOOM, Google Meet, Microsoft Team etc. Using ICT enabled tools the online tests are conducted easily and it also instantly provide wide range of information associated with students score. Institution has made available sufficient number of books, Journals, e-journals and e-books in the library.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	No File Uploaded

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

131

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	No File Uploaded
Circulars pertaining to assigning mentors to mentees	No File Uploaded
Mentor/mentee ratio	No File Uploaded

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

131

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	No File Uploaded
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

37

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	No File Uploaded

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

642

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	No File Uploaded

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The internal assessment examinations are conducted according to the Academic calendar of the institute as well as University. The Professor-In-Charge Examination prepares the examination schedule much before to the commencement of examination with consultation with Dean (Academics) which is displayed in the Notice board and mailed to the students and staff members for their reference. Further, if any changes in schedule, pattern or methods related to examination are immediately notified to the students and teachers through mail. The respective subject teacher sets the question paper as per the Blooms taxonomy in view of Course Outcomes. They send the questions to the examination cell for further course of action. The examination cell organized the questions as per the student strength well before the examinations. The PIC exam is prepared the invigilation duty chart which is communicated to the faculty members via e-mail. The PIC exam is also prepared the seating arrangements for the student which is notified to the students through the notice board. Projects and seminars are jointly assessed by faculty members and industry experts. There students are guided with the respective area expert faculties. They guide the student for demonstration of their own project idea along with individual communication, leadership, management and team work. The laboratory assessment of student is being done through experiment in continuous manner as per the curriculum of the University.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

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

The internal and external examinations are conducted as per the academic calendar of the institute. If any discrepancies found in evaluated answer scripts of internal assessment, the same is resolved by the concerned faculty at that time. The final marks are uploaded in the IMS for students and parents. The end semester examinations are conducted and controlled by the rules and regulations of the University. Any type of grievances related to end semester exam such as answer scripts, question paper etc. is addressed by the Principal to the Director of Examination of the University immediately. The grievances related to external examination assessment, the students are applied for re-checking or photocopy of the evaluated answer scripts through proper

channel by paying the prescribed university fee. The queries related to results, name corrections in grade sheets/certificates issued by university are addressed by the Principal/ PIC examination to the Director of Examination.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Institute has well defined program outcomes (PO), program specific outcomes (PSO) and course outcomes (CO) for all programs. Teachers are conversant with POs, PSOs of the programs as they are involved in PO, PSO formation process. Vision and mission of the college is discussed in the meetings. Head of the department and teachers discuss POs and frame PSOs of the programs which are in line with Graduate attributes and Vision, Mission of the Institute.

POs, PSOs are displayed for teachers and students at following locations: I

Institute website

HOD cabins

Notice Boards

Departmental laboratories

Departmental library

Department Corridor

Lab Manuals

Faculty Common Room

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all Programmes (exemplars from Glossary)	No File Uploaded

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Evaluation of attainment of PO's and PSO's is based on direct and indirect assessment tools. Direct assessment of PO's and PSO's is based on students' performance in internal assessments and University exams. Indirect assessment is based on exit survey of the particular outgoing batch of students. The attainment of PO's and PSO's is evaluated for every batch of students completing the program.

PO/PSO Attainment (%) = (weightage: 80%) × (Average CO attainment in direct method) + (weightage: 20%) × (Average CO attainment in indirect method)

Attainment of Cos COs for each course of the program from first year to fourth year is written by the respective faculty member. A correlation is established between CO's, PO's and PSO's in a scale of 1 to 3,

1 Being the slight (low),

2 Being moderate (medium) and

3 Being substantial (high).

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

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

510

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://www.krupajal.ac.in/>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

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

15.92

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

4

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	No File Uploaded

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

5

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

KEC has a vibrant research council, an apex body to guide KEC research community and innovation for creation and transfer of knowledge among students and staff. The apex body is running by eminent academicians, scientists and industrial researchers from various reputed organizations of India and abroad.

KEC is having a separate Research and Development Cell. The cell comprises of faculty members from each department of the institute. A senior professor having handsome experience and expertise in versatile research field. Research & Development cell in the capacity of Dean (R&D), with the principal presiding over. The committee oversees the smooth and efficient coordination of research and development activities in the institute, thus fostering overall growth.

The prime aim is to engage large number of faculty, student and staff in various innovation and entrepreneurship related

activities such as ideation, problem solving, proof of concept development, product development, prototype or model design, design thinking, IPR, project handling, management at pre-incubation, and incubation stages, etc. So that innovation and entrepreneurship eco system gets established and stabilized at Higher Education Institution.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

1

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

0

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	No File Uploaded
Any additional information	No File Uploaded

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

116

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	No File Uploaded

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

98

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	No File Uploaded

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The college has tried its best for a noteworthy contribution to the society and environment by making a participation to promote college-neighborhood-community. It has given more stress on the service oriented activities making more engagements of the students for a holistic development to f the students contributing to good citizenship. The NSS group of has taken so many initiatives involving the teaching and non-teaching staffs of the college to their best. We have organized several medical camps like Dental check-up, regular health check-up in the rural areas as well as in the college campus. Blood donation camps with collaboration with the Rotary club of Bhubaneswar, and Red Cross Society of India were organized may a times. As from the last few years the coastal region of the state is regularly facing cyclone

nearly every year, tying up with a social organization Robin Hood Army, Bhubaneswar chapter the students had participated in the relief work in the cyclone affected areas and rendered all types of possible helps to the needy people. We have also organized cyclone awareness programs in the villages as well as in the slum areas of the city.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

14

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	No File Uploaded
e-copy of the award letters	No File Uploaded

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

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., during the year

8

File Description	Documents
Reports of the event organized	No File Uploaded
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

517

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

35

File Description	Documents
e-copies of related Document	No File Uploaded
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	No File Uploaded

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

3

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	No File Uploaded
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	No File Uploaded

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Details of classrooms, tutorials, seminar halls, library and laboratories:

Classrooms: The institution has sufficient number of well-furnished, well ventilated, spacious classrooms for conducting theory classes. All the class rooms of individual departments are at close proximity in order to have better access for the students.

Technology enabled learning rooms:

1.Each department is provided with e-classrooms having public addressing system to facilitate active learning.

2.The class room has a seating capacity of 60 and provided with LCD projector, Wi-Fi enabled internet connectivity etc.

3.The classrooms are also ideal for small seminars and workshops.

Seminar Halls:

1.The institute has well designed seminar halls to conduct conferences, workshops and symposia for students and faculty.

2.The seminar halls have a seating capacity of average 200 max and are fully air-conditioned. They are equipped with LCD projectors, white board and public addressing system.

Laboratories and workshops: All laboratories are well equipped and well maintained not only for carrying out curriculum-oriented practice sessions and certain research activities.

Computing facility: There are 12 computer labs with around 712 computers. Sophisticated software like MATLAB, ANSYS, XILINX, Auto CAD etc are available. The campus is well connected with campus wide Wi-Fi network with internet speed of 200 Mbps.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

In KEC, a specific no of well qualified and proficient PETs is appointed to impart training the students & to make them participate by forming the college teams in state level, university level competitions and other intercollegiate competitions. Students are encouraged to take part in sports activities after the college hours. Sports event competitions are conducted in the interdepartmental level in an academic year and the winners are awarded. Students with a passion for music and dance are encouraged to perform/ take up training in these arts during the hobby classes. Faculty with skills in any of these arts ably support students through musical night program, annual cultural festival and motivate them for competitions held outside.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

35

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	No File Uploaded

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

142.64

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	No File Uploaded

4.2 - Library as a Learning Resource

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

The activities and management of the Library are also an done with an automated software. The function of this software is to manage the activities of the Library through a computerized system. The software allows us to easily add new books, videos and Page sources. Apart from that Books and student maintenance modules are also a part in this system, this helps to keep track of the students using the library. The detailed description about the books in the College Library is also available for the staffs and students. The best thing about this computerized system is hassle

free record keeping of the book. There are separate modules which track all the Library activities starting from Book record keeping, Book issue date to both student and employee. The return dates are prefixed to 21 days and the fine thereafter is also auto calculated. A book can be searched by typing in the book name or the Book Number. The book then can be issued to the student. Students are searched by typing the registration no. The book can further be issued on different basis like semester wise or on the 14-day cycle wise. There is no such restriction when a book is issued to an employee. However, when a employee leaves the Institute, he / she has to take the clearance from the library as well. All books available under his name will be displayed and has to be returned before taking the clearance.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional Information	Nil

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources A. Any 4 or more of the above

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	No File Uploaded

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

6.58

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	No File Uploaded

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

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

652

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The IT facilities available in our college can be summarized as follows,

- LAN Facility and wifi facilities are available to all computers in the campus.
- 200 Mbps of internet connectivity is shared across the campus.
- 620 Systems are available through out the campus.
- One computer centre accessible for the students.
- 48 Laser jet printers, 4 Xerox centers and 5 scanners are provided across the campus for academic and administrative purposes.
- Digital Library is available with internet facility.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.3.2 - Number of Computers

125

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	No File Uploaded

4.4 - Maintenance of Campus Infrastructure**4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)**

56.29

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	No File Uploaded

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.

The Institution has the structured system for maintaining and utilizing the facility available. KEC facility management team maintains the physical and academic support facilities. The various responsibilities of the team are housekeeping activities,

maintenance of gardens, pest control, entire campus up keep work etc. KEC deployed 04 location supervisors across the campus. Each location supervisor will report to the maintenance manager regarding his observations on Electrical, Plumbing and housekeeping related issues and complaints. A log book is maintained for the same. The college provides transportation facilities for its faculties and students. A transport committee is constituted to address and rectify any transport related issues. The security of the institute is taken care by in house security guards with the help of an external private agency in two shifts round the clock. In order to ensure the adequacy of the infrastructure including land, buildings, equipment, computer hardware and software, the norms of the statutory bodies like University Grants Commission (UGC), All India Council for Technical Education (AICTE), Affiliating University (BPUT) with regard to resource requirements are adhered. Records of all infrastructure including equipment, software, books and other items are maintained by all the departments.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

1045

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	No File Uploaded

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

106

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	No File Uploaded

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	Nil
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	No File Uploaded

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

48

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

48

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	No File Uploaded

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	No File Uploaded
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

337

File Description	Documents
Self-attested list of students placed	No File Uploaded
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	No File Uploaded

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

42

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	No File Uploaded
Details of student progression to higher education	No File Uploaded

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

56

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	No File Uploaded

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year

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

26

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	No File Uploaded

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Students of KEC have been privileged enough, because the college provides various opportunities for the welfare of the students to outshine in other fields apart from academics. Every year, the students take internships in different companies. This helps the students placed every year easily in these reputed organizations. The students are also imparted the new version of soft skills to sharpen their career development skills. These practices help the students to learn the nuances of Group Discussion and Personality Development, which increases the employability of our students. Apart from this different skill enhancement and personality enhancement programmes are launched in the college for the holistic development of the students.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

17

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The institute has an alumni association which helps in providing internships ,placements and industries linkages for the overall development of students. The associations also financially helps in organizing workshops, seminars, conferences etc.

Alma Mater's alumni. Alumni Associations create a space where alumni can interact within a community of people who share a unique experience. Their primary focus is to strengthen alumni relations between students and alumni while promoting and working for the institute growth and development in diverse ways. Indeed, alumni are ambassadors of their alma mater and are vital for revenue mobilization and placement opportunities for students.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.4.2 - Alumni contribution during the year A. ? 5Lakhs

(INR in Lakhs)

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT**6.1 - Institutional Vision and Leadership**

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

The vision and mission statements of our Institution mainly focus on providing quality education to students to help them compete in the global arena, and to instill in them the culture of innovation and research, to provide meaningful education and to continually update their knowledge and skills that need to be applied to the global scenario Governance, perspective plans and participation of the teachers in the decision making bodies of the institution:

The Institute has a governing body in place where in members are drawn from distinguished strata of society.

The Principal wields the powers with regard to all the academic and administrative matters including the conduct of examinations.

The Principal functions through various committees.

Every Department has a Head of the department, who in turn, assigns various tasks to different faculty members of the department.

For administrative functions, the Dean Administration and two Administrative Officers look after the activities executed by ministerial staff support.

All the functions of the college are meticulously planned, properly coordinated and perfectly executed.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

In an attempt to make the organizational structure more efficient and effective, the institute believes and practices the decentralization in all level of management in general and budgetary management in particular. This is because decentralization and participatory management have got long standing impact on organizational structure. In doing so, it adopts a bottom up and top down approach in its strategic planning and conventional approach to departmental budget thereby avoids methods of centralization.

Hierarchy of the Budgetary Committee The institute has got a unique system of its financial governance system. The budgetary management system is democratic and inclusive as it is not governed by any individual but led by a dedicated team of people and committees. The hierarchy of the committee is as follows

1.Principal

2.Departmental Committee (HODs and all faculty members)

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Teaching and Learning The Teaching and Learning process includes Implementation of outcome based education, academic research, guest lecturers. To make learning more effective we have the choice-based credit system and grading system of examinations as per the university norms. Based on the quality policy of the institute every department has taken various activities to achieve the goals of the institutional quality policy. The following strategies have been adopted for improvement of teaching and learning process:

1.Organizations of Remedial classes

2.Feedback System

3.Continuous improvement of resources

4.Provision of e-classrooms5.Academic Review meeting

6.Conduct of pre-placement training classes and campus connect programmes

7.Structured course files and lab manuals on all courses

8.Development of student support material

9.Conduct of GATE and different competitive coaching classes

10.Industry interaction

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

KEC follows a flat organisational structure, which ensure quick and effective decision making and timely execution. The organisational structure of the institute is as follows:

The top most layer of the organisational structure consists of board of governors. This is responsible for apex level decision making. The board of governors of the institute meet once in a year to discuss and deliberate upon the institutional requirements and unanimously take crucial decision for the betterment of the organisation.

Chairman is the highest authority in the institute who plays a crucial role of implementation of decision and suggestions given by the governing council from time to time. The Secretary is responsible for running day to day administration and ensures smooth academic performance. The Secretary gets assisted by the department head.

Principal is the chairperson of administrative and academic

activities of the institution academic performance. Responsible for overall administration and academic function of the institution in keeping with policies of the management as well as mandatory regulations and stipulations of the related statutory authorities.

For helping principal different posts like dean administration, dean academic, dean R&D, dean hostel affair and dean student affair is there.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	Nil
Upload any additional information	No File Uploaded

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	No File Uploaded
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	No File Uploaded

6.3 - Faculty Empowerment Strategies

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

1. Faculties are provided with appreciation after completing PhD.

2. Yearly 50K award is provided to faculties and non-teaching staff for performing extra ordinary work.

3. Recognition for good work based on PBAS performance and

outstanding contribution.

4.Extending facilities like study leave and “earn while learning” is also provided to the faculties for completing higher education.

5.Duty Leave, medical Leave, Casual leave is provided to the faculties for various purpose.

6.Maternity leave for female faculty and non-teaching staff.

7.Special paid leave is offered to all faculty member during their marriage

8.On duty leave is provided for faculties for research activities as per the requirements.

9.Faculties are provided with TA and DA for presenting technical papers in national and international conference.

10.Some of the teaching and non-teaching members are provided with Employee Provident Fund which is duly deducted every month from their salaries.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

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

124

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	No File Uploaded

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

6

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	No File Uploaded

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

131

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	No File Uploaded

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

1. Individual Achievements

- Student Feedback
- Quantitative and qualitative analysis of classes taken
- Results of Students in university examination
- Involvement of the mentor with the parents and the mentees are monitored by the HODs. Punctuality, Time Attendance and Leave Etiquettes
- individual efforts by the innovative research or product or prototype based idea, some outcomes in terms of project grant, publication, patent, consultancy or STTP/workshop/Conference
- Improvement of self by taking courses in NPTEL, Coursera, etc. Involvement of faculty in NPTEL, Coursera etc for improvement of knowledge considered by our organization

2. Performance In a Group

- Involvement in various accreditation and internal quality assurance work and improvement activities of the institution, submission of various information in time
- Relationship building, exposure of self and students, and entering MOU with Industry/Institutes
- Brand Building, Public Relations & Relation with University and other related organizations

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

KEC, Bhubaneswar believes in transparency in all the aspects of its financial matters. It conducts both internal and external financial audits in regular manner. It has a fulltime Treasurer and Accounts Department since inception to ensure maintenance of annual accounts and audits.

Internal Audit: Internal Audit is being conducted in each month from 25th to end of the month by Internal Auditors with an objective to review the routine activities and evaluate the financial efficiency of the organization.

External Audit: External Audit is also being done by a chartered Firm of the institute after completion of the financial year for the Institute and the same have been submitted after the end of every year. Externalaudit is undertaken to evaluate and examine the financial statement of the organization.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

2965324

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	No File Uploaded

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

Finance is the engine of growth of any institute. Being a self-financing institute, the major source of KEC is tuition fee collected from the students. Apart from this, the institute also generate funds from projects sponsored by government agencies, industry and consultancy services. Institute also receive grants from AICTE, UGC, CII, AIMA, TEQIP, BPUT and etc to organize seminars, FDP, MDP etc.

In order to utilize the funds in an optimum manner the institute follows and adopts innovative methods like competitive bidding, digitalization, in-house maintenance, use of solar panels, and CMS to optimize resource and avoid unnecessary expenditure.

The institute has a well-designed financial policy which ensures effective and optimal utilization of finances for academic, administrative and development purpose which help ultimately in realizing the institute's vision and mission.

The Institute has a well-defined procedure to monitor effective and efficient utilization of available financial resources for infrastructure development and academic processes.

The Management has given complete support to Principal for organization of various co-curricular & extracurricular activities like technical events, sponsoring of faculty & staff for various skill development programs, providing financial support for attending conferences, workshops, pursuance of higher education etc. Financial support is also provided for participation of students at various national and international level events like Hackathons, Startups, and technical festivals of IITs & NITs

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

The Internal Quality Assurance Cell of KEC, Bhubaneswar believes in value based, culture oriented and Quality education. Thus every year IQAC organizes conferences, workshops, Faculty Development Programs, seminars, etc. in which our faculty members are actively involved. Also IQAC encourages to attend seminars, workshops & FDP programs organized by other institutions. IQAC also constantly encourages the faculty members to improve their profile through publication of Research papers in Journals of repute, to undertake sponsored research projects and to become members of various professional bodies.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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 and recorded the incremental improvement in various activities

KEC has a well designed methodology to operate teaching- learning process and its IQAC continuously reviews the same (Flow chart enclosed herewith). At the time of starting of a session, the Academic calendar (day wise detail) is prepared by IQAC taking reference to that of published by affiliating university i.e- BijuPattnaik University of Technology and circulated among all stakeholders. As per the assigned load to faculty members, they upload the detail lesson plan mapped with Course Outcomes & PPT through IMS (Institute management system) for monitoring by IQAC. The Departmental Advisory Board (DAB) & performance Assessment Committee (PAC) of each branch/ department constituted by IQAC reviews the periodical course coverage, extra classes at week end, use of ICT facility by faculty members, conduction of doubt

clearing classes, students attendance in each class, discipline in class room, conduction of lab experiments beyond syllabus, faculty punctuality in class room, conduction of quiz tests, surprise tests, internal tests in time with strict invigilation, assessment & publication of results of all internal tests in time, maintenance of course file by each faculty members, old questions & answers discussion in class room, solving of problems in class room, etc.. and submit the consolidated report to IQAC.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

KEC as a co-educational institution ensures that equal rights, opportunities and responsibilities be provided to all irrespective

of gender. KEC believes in the society that value men and women as equal. The vision of the institute for gender equity is to have equal access to resources and to be treated with respect and dignity. Some major initiatives are taken at the institute to promote gender equity. Every year 8th March is celebrated as women's day. The aim of this initiative is to bring awareness among the girl child of this society which leads to overall development of nation and its community. Poster presentation or rangoli competition is organized on theme like 'beti bachao beti padhao', 'save girl child' etc. which tends to promote gender equity awareness among students.

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

C. Any 2 of the above

File Description	Documents
Geo tagged Photographs	No File Uploaded
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

The following Waste Management practices are adopted in our institute campus, we have tried to reduce the waste and transfer it in some form of wealth.

Solid Waste Management: Dust bins are arranged at various locations to litter. Sign boards arranged with slogans 'Do not

litter'. Adequate sweepers and scavengers appointed to maintain clean campus. At every week-end, students and staff members are encouraged to participate in 'SWACHA BHARATH ABHIYAN' program to keep the campus and nearby villages neat and clean. Biogas plant and Vermiculture units are established in the institute to dispose the canteen wastes into some valuable outcomes.

Liquid Waste Management: Most of the waste water is used to irrigate/cultivate greenery and certain portion is send to sedimentation tanks. The waste waters are used for gardening and Algae culture.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

C. Any 2 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

File Description	Documents
Geo tagged photos / videos of the facilities	No File Uploaded
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following
1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

KEC has taken number of initiatives to promote tolerance towards Cultural, regional, communal, socioeconomic diversities. Every year we organize 6 musical nights where the students of different states showcase their culture through dance, drama and music. The girls and boys are also given equal chance to perform thus promoting harmony amongst different cultures, regions and communes. In our hobby clubs every week the students take part in quizzes, Poetry writing, storytelling in different languages thus inculcating linguistic harmony. The students belonging to different states with different languages are accommodated in the same hostel room to bring linguistic harmony.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

On 15th August Independence day is celebrated with great zeal and respect at KEC by unfurling tricolor flag, singing National Anthem, organizing cultural program to express the joy of our freedom. Republic day is celebrated

On 26th Jan by hoisting the National flag and pledging to up hold the honor and integrity of the nation. The importance of Indian

constitution is highlighted in the program by conducting cultural items such as patriotic songs, folk dances and speeches.

Every year 26th November is celebrated as constitution day at the campus in which the fundamental rights, duties, values and responsibilities of citizens as stated in constitution of India is discussed.

January 25 is celebrated as "National voter's day" by organizing interactive session to encourage the young voters to cast their votes in the government of India elections.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	Nil
Any other relevant information	Nil

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff

4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	No File Uploaded
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

The Institute proudly celebrates international and national commemorative days, events and festivals to mark the nationhood. These days are celebrated with a unique zeal and zest. KEC has student from various parts of the country which reflects unity in diversity. The Institute proudly organizes the following events with active participation of students and faculty members.

2nd October is celebrated every year as birth anniversary of Mahatama Gandhi by conducting cleanliness drive in college campus and nearby villages. This helps the institute to develop the Social Quotient and Emotional Quotient among the students.

On the auspicious occasion of Dr. Sarvepalli Radhakrishnan's birthday, Teacher's Day is celebrated to show their gratitude toward teachers. All the non-teaching and teaching Staff are given gift and scroll as a token of love and respect towards the teachers by students.

Our Institute commemorate the birthday of Pandit Jawaharlal Nehru, as Children's Day by organizing various cultural programs.

International Yoga Day is celebrated at KEC on 21st June since 2015. Yoga is an inestimable gift from ancient tradition of India. It stands for unity of thought and action, mind and body, a holistic approach to health and well-being. Practical session and Demonstration are given by trainer to remain fit and improve concentration.

Utkal Divas is celebrated with much pomp and gaiety at GIFT to commemorate the formation of Odisha as a separate province.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	No File Uploaded
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

1. 100 % Plastic free campus.

2. 100 % gender equqlity campus

File Description	Documents
Best practices in the Institutional website	Nil
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

The Vision of the Institute focuses on Global Standards, Value-based Education and Sustainable Development. A high quality of academic excellence can provide value-added experience for the students. The positive outcomes are achieved by designing the curriculum to meet the global requirements and through teachinglearning methods blended with ethical values. The structured induction of the student into the curriculum enables to visualize the career opportunities and the approach towards achieving them. Participation of students in Co-Curricula Activities and Extra Curricular Activities helps to enhance all round personality development. Experiences and appreciations gained through these activities assist students during internships. Career guidance and Personal counseling. The NSS units of the college have been recognized by the State Govt and frequently arranging many social activities. The NCC unit of the institution is also attending different NCC camps and many of the NCC cadets awarded during these camps.

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

As an affiliated College, the Institution follows curriculum provided by its affiliating university, BPUT. Courses of the curriculum are allocated to faculties based on their field of expertise and interest well before the starting of the semester by the Head of the Departments. Apart from this the institute conducts a meeting with Internal and external experts from academia and experts from Industry and Alumni periodically for enriching the curriculum by providing industry-oriented courses apart from curriculum. The prerequisite, course outcomes and programme outcome mapping, books to be referred, methods of instructional delivery are documented by concerned subject faculty and this road map is approved by the HODS before the starting of the semester. Course handling faculties are provided with the responsibility of framing the lecture plan of delivery, preparation of lecture notes for all topics as in the curriculum, devising the assignment topics and tutorial problems which are required to be approved by the Head of the department and Principal before the commencement of the semester. At the starting of the course, faculties are required to highlight course objectives, outcomes of the course, contents of each unit and its applications in the related domain to the students. In addition to traditional teaching methods, video lectures, NPTEL lectures, PowerPoint presentations, projects, case studies etc are being conducted from time to time.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Being an affiliated institute Krupajal Engineering College follows the academic calendar published by affiliating

university. University publishes the academic calendar well before the starting of each semester. Based on the University Academic Calendar institute level academic calendar is prepared by a team consisting of Principal and all HODs. Each department prepare their academic calendar for accommodating class tests, Quiz tests and other department specific activities based on the College Academic Calendar. Both departmental and College academic calendar are published in notice boards and website. All Examinations and other activities are conducted strictly based on the Academic Calendar only.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	Nil

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

11

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	No File Uploaded

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

19

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

2010

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	No File Uploaded

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The present curriculum included topics such as Gender equality, Environmental consciousness and sustainability, Human Values and Professional Ethics into the Curriculum. Final year students are encouraged to take projects which address interdisciplinary issues viz. Green energy, Robotics, IOT, Digital Manufacturing etc. Equal opportunities are given to

both the genders in terms of admissions, employment, training Programs, sports activities etc., and so gender issues do not arise. College supports women faculty and students in many aspects ,and encourage them to participate in eventsfocusing on women empowerment and promoting leadership qualities in women. .Women's day is celebrated with vigor in the institution campus. Girls and boys participate in various co-curricular activities such as paper presentations, Musical night, group discussions and technical quiz programs. Both boys and girls are made members of various clubs associated with academic, co-curricular and Extracurricular activities.Students have a compulsory course on Environmental Science and Engineering.Students are taken for industrial visits and effluent and water treatment plants and places that will educate them on environmental issues. Awareness programs are also initiated by NSS, Tree Plantation, Environment Club which extensively carry out activities for environmental protection and ecological preservation. The curriculum includes courses on professional ethics and IPR and human rights.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	No File Uploaded

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

11

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	No File Uploaded

1.3.3 - Number of students undertaking project work/field work/ internships

1972

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	No File Uploaded

1.4 - Feedback System

**1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders
Students Teachers Employers Alumni**

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://www.krupajal.ac.in/
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
Any additional information	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website
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File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	https://www.krupajal.ac.in/

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

487

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

202

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Every year the institution organizes Orientation and induction programmed for the new batch students. This programme would help both new students and their parents to get comfortable

with the institution, facilities provided, rules and regulation etc. Bridge classes are conducted in the beginning to lift the students to next level of higher education. The classes are conducted as per the specially designed curriculum with all basic science subjects, Basic English and computer fundamentals. The Syllabus is pre-designed keeping in point of view of psychology and intellectual level of new-comers. The institution assesses the learning level of learning of the students in two ways at the beginning of the programme. Students enrolled in various disciplines, have to appear an entry level test (Snap Test) conducted by the institution. Based on the performance in the test and then, their +2 marks, they are identified as either advanced (Fast) or slow (weak) learners. In order to motivate them, special tutorial classes are arranged to bridge the gap between the slow learners and advanced learners. Different workshops and induction programme are organized to enhance their skills and make them confident to compete in the main stream.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2072	131

File Description	Documents
Any additional information	No File Uploaded

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

Student centered learning approach is focusing the teaching methods that transforms the instruction from the teacher to the student. It is defined as the extent to which the students are involved actively in constructing new knowledge and understanding. The institution is committed to ensure the development to fits students through a student-centric learning

process. Here, the teachers make their classes studentcentric where students are in focus and they play the central role. They are actively engaged in the learning process in a collaborative nature along with their peers and under the guidance of teachers. Students engaged in learning activities with their peers are more likely to participate in other effective educational practices and have gained positive views of the active learning environment.

Experimental learning:

- 1.Summer Internship
- 2.Industrial Visits
- 3.Projects

Participative Learning:

- 1.Think-Pair-Share
- 2.Brainstorming
- 3.Case Studies
- 4.Gamification
- 5.Seminars or Workshops
- 6.Creativity
- 7.Hobby Club activities

Problem Solving Methodologies:

- 1.NPTEL, SWAYAM On line courses
2. Use of Technologies
3. Progrmming Contests

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The ICT enabled teaching methodologies and advanced technology is being followed by all the faculties of the institution in their class rooms. It will help the teachers of the institution to offer quality e-content for both inside and outside classroom situations and also to a large number of learners in a structured, flexible and open way. It also provides opportunities for all teachers and students to communicate with one another through email, mailing lists, chat rooms etc. The academic plan with budget, lesson plan, lab manuals and question banks with solution are made available at the very beginning of the semester. The use of multimedia teaching aids like, LCD projectors, classrooms with internet enabled computer/laptops/tablet systems are usually adopted inside classroom. The electronic resource packages like TCS-ION, NPTEL and Digital Library are available and are used by all faculties. The faculty members effectively utilize Audio Visual aids to demonstrate the concepts to the students using the resources from NPTEL, You-tube to enhance the learning experience of students. The quiz and surprise tests are conducted through different online platforms like ZOOM, Google Meet, Microsoft Team etc. Using ICT enabled tools the online tests are conducted easily and it also instantly provide wide range of information associated with students score. Institution has made available sufficient number of books, Journals, e-journals and e-books in the library.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	No File Uploaded

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the

latest completed academic year)	
2.3.3.1 - Number of mentors	
131	
File Description	Documents
Upload, number of students enrolled and full time teachers on roll	No File Uploaded
Circulars pertaining to assigning mentors to mentees	No File Uploaded
Mentor/mentee ratio	No File Uploaded
2.4 - Teacher Profile and Quality	
2.4.1 - Number of full time teachers against sanctioned posts during the year	
131	
File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	No File Uploaded
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded
2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)	
2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year	
37	
File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	No File Uploaded

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

642

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	No File Uploaded

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The internal assessment examinations are conducted according to the Academic calendar of the institute as well as University. The Professor-In-Charge Examination prepares the examination schedule much before to the commencement of examination with consultation with Dean (Academics) which is displayed in the Notice board and mailed to the students and staff members for their reference. Further, if any changes in schedule, pattern or methods related to examination are immediately notified to the students and teachers through mail. The respective subject teacher sets the question paper as per the Blooms taxonomy in view of Course Outcomes. They send the questions to the examination cell for further course of action. The examination cell organized the questions as per the student strength well before the examinations. The PIC exam is prepared the invigilation duty chart which is communicated to the faculty members via e-mail. The PIC exam is also prepared the seating arrangements for the student which is notified to the students through the notice board. Projects and seminars are jointly assessed by faculty members and industry experts. There students are guided with the respective area expert faculties. They guide the student for demonstration of their own project idea along with individual communication, leadership, management and team work. The laboratory assessment of student is being done through experiment in continuous manner as per the curriculum of the University.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

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

The internal and external examinations are conducted as per the academic calendar of the institute. If any discrepancies found in evaluated answer scripts of internal assessment, the same is resolved by the concerned faculty at that time. The final marks are uploaded in the IMS for students and parents. The end semester examinations are conducted and controlled by the rules and regulations of the University. Any type of grievances related to end semester exam such as answer scripts, question paper etc. is addressed by the Principal to the Director of Examination of the University immediately. The grievances related to external examination assessment, the students are applied for re-checking or photocopy of the evaluated answer scripts through proper channel by paying the prescribed university fee. The queries related to results, name corrections in grade sheets/certificates issued by university are addressed by the Principal/ PIC examination to the Director of Examination.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Institute has well defined program outcomes (PO), program specific outcomes (PSO) and course outcomes (CO) for all programs. Teachers are conversant with POs, PSOs of the programs as they are involved in PO, PSO formation process. Vision and mission of the college is discussed in the meetings. Head of the department and teachers discuss POs and frame PSOs of the programs which are in line with Graduate attributes and Vision, Mission of the Institute.

POs, PSOs are displayed for teachers and students at following locations: I

Institute website

HOD cabins

Notice Boards

Departmental laboratories

Departmental library

Department Corridor

Lab Manuals

Faculty Common Room

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all Programmes (exemplars from Glossary)	No File Uploaded

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Evaluation of attainment of PO's and PSO's is based on direct and indirect assessment tools. Direct assessment of PO's and PSO's is based on students' performance in internal assessments and University exams. Indirect assessment is based on exit survey of the particular outgoing batch of students. The attainment of PO's and PSO's is evaluated for every batch of students completing the program.

PO/PSO Attainment (%) = (weightage: 80%) × (Average CO attainment in direct method) + (weightage: 20%) × (Average CO attainment in indirect method)

Attainment of Cos COs for each course of the program from first year to fourth year is written by the respective faculty

member. A correlation is established between CO's, PO's and PSO's in a scale of 1 to 3,

1 Being the slight (low),

2 Being moderate (medium) and

3 Being substantial (high).

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

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

510

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://www.krupajal.ac.in/>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)**15.92**

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)**3.1.2.1 - Number of teachers recognized as research guides****4**

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	No File Uploaded

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year**3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year****5**

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

KEC has a vibrant research council, an apex body to guide KEC research community and innovation for creation and transfer of knowledge among students and staff. The apex body is running by eminent academicians, scientists and industrial researchers from various reputed organizations of India and abroad.

KEC is having a separate Research and Development Cell. The cell comprises of faculty members from each department of the institute. A senior professor having handsome experience and expertise in versatile research field. Research & Development cell in the capacity of Dean (R&D), with the principal presiding over. The committee oversees the smooth and efficient coordination of research and development activities in the institute, thus fostering overall growth.

The prime aim is to engage large number of faculty, student and staff in various innovation and entrepreneurship related activities such as ideation, problem solving, proof of concept development, product development, prototype or model design, design thinking, IPR, project handling, management at pre-incubation, and incubation stages, etc. So that innovation and entrepreneurship eco system gets established and stabilized at Higher Education Institution.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

1

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

0

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	No File Uploaded
Any additional information	No File Uploaded

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

116

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	No File Uploaded

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

98

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	No File Uploaded

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The college has tried its best for a noteworthy contribution to the society and environment by making a participation to promote college-neighborhood-community. It has given more stress on the service oriented activities making more engagements of the students for a holistic development to f the students contributing to good citizenship. The NSS group of has taken so many initiatives involving the teaching and non-teaching staffs of the college to their best. We have organized several medical camps like Dental check-up, regular health check-up in the rural areas as well as in the college campus. Blood donation camps with collaboration with the Rotary club of Bhubaneswar, and Red Cross Society of India were organized may a times. As from the last few years the coastal region of the state is regularly facing cyclone nearly every year, tying up with a social organization Robin Hood Army, Bhubaneswar chapter the students had participated in the relief work in the cyclone affected areas and rendered all types of possible helps to the needy people. We have also organized cyclone awareness programs in the villages as well as in the slum areas of the city.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

14

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	No File Uploaded
e-copy of the award letters	No File Uploaded

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

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., during the year

8

File Description	Documents
Reports of the event organized	No File Uploaded
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

517

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

35

File Description	Documents
e-copies of related Document	No File Uploaded
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	No File Uploaded

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

3

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	No File Uploaded
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	No File Uploaded

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Details of classrooms, tutorials, seminar halls, library and laboratories:

Classrooms: The institution has sufficient number of well-furnished, well ventilated, spacious classrooms for conducting theory classes. All the class rooms of individual departments are at close proximity in order to have better access for the students.

Technology enabled learning rooms:

1. Each department is provided with e-classrooms having public addressing system to facilitate active learning.
2. The class room has a seating capacity of 60 and provided with LCD projector, Wi-Fi enabled internet connectivity etc.
3. The classrooms are also ideal for small seminars and workshops.

Seminar Halls:

1. The institute has well designed seminar halls to conduct conferences, workshops and symposia for students and faculty.
2. The seminar halls have a seating capacity of average 200 max and are fully air-conditioned. They are equipped with LCD projectors, white board and public addressing system.

Laboratories and workshops: All laboratories are well equipped and well maintained not only for carrying out curriculum-oriented practice sessions and certain research activities.

Computing facility: There are 12 computer labs with around 712 computers. Sophisticated software like MATLAB, ANSYS, XILINX, Auto CAD etc are available. The campus is well connected with campus wide Wi-Fi network with internet speed of 200 Mbps.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

In KEC, a specific no of well qualified and proficient PETs is appointed to impart training the students & to make them participate by forming the college teams in state level, university level competitions and other intercollegiate competitions. Students are encouraged to take part in sports activities after the college hours. Sports event competitions are conducted in the interdepartmental level in an academic year and the winners are awarded. Students with a passion for music and dance are encouraged to perform/ take up training in these arts during the hobby classes. Faculty with skills in any of these arts ably support students through musical night program, annual cultural festival and motivate them for competitions held outside.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

35

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	No File Uploaded

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

142.64

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template	No File Uploaded

4.2 - Library as a Learning Resource

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

The activities and management of the Library are also an done with an automated software. The function of this software is to manage the activities of the Library through a computerized system. The software allows us to easily add new books, videos and Page sources. Apart from that Books and student maintenance modules are also a part in this system, this helps to keep track of the students using the library. The detailed description about the books in the College Library is also available for the staffs and students. The best thing about this computerized system is hassle free record keeping of the book. There are separate modules which track all the Library activities starting from Book record keeping, Book issue date to both student and employee. The return dates are prefixed to 21 days and the fine thereafter is also auto calculated. A book can be searched by typing in the book name or the Book Number. The book then can be issued to the student. Students are searched by typing the registration no. The book can further be issued on different basis like semester wise or on the 14-day cycle wise. There is no such restriction when a book is issued to an employee. However, when a employee leaves the Institute, he / she has to take the clearance from the library as well. All books available under his name will be displayed and has to be returned before taking the clearance.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional Information	Nil

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	No File Uploaded

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

6.58

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	No File Uploaded

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

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

652

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The IT facilities available in our college can be summarized as follows,

- LAN Facility and wifi facilities are available to all computers in the campus.
- 200 Mbps of internet connectivity is shared across the campus.
- 620 Systems are available through out the campus.
- One computer centre accessible for the students.
- 48 Laser jet printers, 4 Xerox centers and 5 scanners are provided across the campus for academic and administrative purposes.
- Digital Library is available with internet facility.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.3.2 - Number of Computers

125

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	No File Uploaded

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

56.29

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	No File Uploaded

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.

The Institution has the structured system for maintaining and utilizing the facility available. KEC facility management team maintains the physical and academic support facilities. The various responsibilities of the team are housekeeping activities, maintenance of gardens, pest control, entire campus up keep work etc. KEC deployed 04 location supervisors across the campus. Each location supervisor will report to the maintenance manager regarding his observations on Electrical, Plumbing and housekeeping related issues and complaints. A log book is maintained for the same. The college provides transportation facilities for its faculties and students. A transport committee is constituted to address and rectify any transport related issues. The security of the institute is taken care by in house security guards with the help of an external private agency in two shifts round the clock. In order

to ensure the adequacy of the infrastructure including land, buildings, equipment, computer hardware and software, the norms of the statutory bodies like University Grants Commission (UGC), All India Council for Technical Education (AICTE), Affiliating University (BPUT) with regard to resource requirements are adhered. Records of all infrastructure including equipment, software, books and other items are maintained by all the departments.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

1045

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	No File Uploaded

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

106

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	No File Uploaded
5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	A. All of the above
File Description	Documents
Link to Institutional website	Nil
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	No File Uploaded
5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year	
48	
5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year	
48	
File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	No File Uploaded
5.1.5 - The Institution has a transparent mechanism for timely redressal of student	A. All of the above

grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	No File Uploaded
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

337

File Description	Documents
Self-attested list of students placed	No File Uploaded
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	No File Uploaded

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

42

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	No File Uploaded
Details of student progression to higher education	No File Uploaded

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

56

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	No File Uploaded

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year

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

26

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	No File Uploaded

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Students of KEC have been privileged enough, because the college provides various opportunities for the welfare of the students to outshine in other fields apart from academics. Every year, the students take internships in different companies. This helps the students placed every year easily in these reputed organizations. The students are also imparted the new version of soft skills to sharpen their career development skills. These practices help the students to learn the nuances of Group Discussion and Personality Development, which increases the employability of our students. Apart from this different skill enhancement and personality enhancement programmes are launched in the college for the holistic development of the students.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

17

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The institute has an alumni association which helps in providing internships ,placements and industries linkages for the overall development of students. The associations also financially helps in organizing workshops, seminars, conferences etc.

Alma Mater's alumni. Alumni Associations create a space where alumni can interact within a community of people who share a unique experience. Their primary focus is to strengthen alumni relations between students and alumni while promoting and working for the institute growth and development in diverse ways. Indeed, alumni are ambassadors of their alma mater and are vital for revenue mobilization and placement opportunities for students.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.4.2 - Alumni contribution during the year (INR in Lakhs) A. ? 5Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT**6.1 - Institutional Vision and Leadership**

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

The vision and mission statements of our Institution mainly focus on providing quality education to students to help them compete in the global arena, and to instill in them the culture of innovation and research, to provide meaningful education and to continually update their knowledge and skills that need to be applied to the global scenario Governance, perspective plans and participation of the teachers in the decision making bodies of the institution:

The Institute has a governing body in place where in members are drawn from distinguished strata of society.

The Principal wields the powers with regard to all the academic and administrative matters including the conduct of examinations.

The Principal functions through various committees.

Every Department has a Head of the department, who in turn, assigns various tasks to different faculty members of the department.

For administrative functions, the Dean Administration and two Administrative Officers look after the activities executed by ministerial staff support.

All the functions of the college are meticulously planned, properly coordinated and perfectly executed.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

In an attempt to make the organizational structure more

efficient and effective, the institute believes and practices the decentralization in all level of management in general and budgetary management in particular. This is because decentralization and participatory management have got long standing impact on organizational structure. In doing so, it adopts a bottom up and top down approach in its strategic planning and conventional approach to departmental budget thereby avoids methods of centralization.

Hierarchy of the Budgetary Committee The institute has got a unique system of its financial governance system. The budgetary management system is democratic and inclusive as it is not governed by any individual but led by a dedicated team of people and committees. The hierarchy of the committee is as follows

1.Principal

2.Departmental Committee (HODs and all faculty members)

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Teaching and Learning The Teaching and Learning process includes Implementation of outcome based education, academic research, guest lecturers. To make learning more effective we have the choice-based credit system and grading system of examinations as per the university norms. Based on the quality policy of the institute every department has taken various activities to achieve the goals of the institutional quality policy. The following strategies have been adopted for improvement of teaching and learning process:

1.Organizations of Remedial classes

2.Feedback System

3.Continuous improvement of resources

- 4.Provision of e-classrooms
- 5.Academic Review meeting
- 6.Conduct of pre-placement training classes and campus connect programmes
- 7.Structured course files and lab manuals on all courses
- 8.Development of student support material
- 9.Conduct of GATE and different competitive coaching classes
- 10.Industry interaction

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

KEC follows a flat organisational structure, which ensure quick and effective decision making and timely execution. The organisational structure of the institute is as follows:

The top most layer of the organisational structure consists of board of governors. This is responsible for apex level decision making. The board of governors of the institute meet once in a year to discuss and deliberate upon the institutional requirements and unanimously take crucial decision for the betterment of the organisation.

Chairman is the highest authority in the institute who plays a crucial role of implementation of decision and suggestions given by the governing council from time to time. The Secretary is responsible for running day to day administration and ensures smooth academic performance. The Secretary gets assisted by the department head.

Principal is the chairperson of administrative and academic activities of the institution academic performance. Responsible for overall administration and academic function of the

institution in keeping with policies of the management as well as mandatory regulations and stipulations of the related statutory authorities.

For helping principal different posts like dean administration, dean academic, dean R&D, dean hostel affair and dean student affair is there.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	Nil
Upload any additional information	No File Uploaded

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user inter faces	No File Uploaded
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	No File Uploaded

6.3 - Faculty Empowerment Strategies

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

1. Faculties are provided with appreciation after completing PhD.

2. Yearly 50K award is provided to faculties and non-teaching staff for performing extra ordinary work.

3. Recognition for good work based on PBAS performance and outstanding contribution.

4. Extending facilities like study leave and "earn while learning" is also provided to the faculties for completing higher education.

5. Duty Leave, medical Leave, Casual leave is provided to the faculties for various purpose.

6. Maternity leave for female faculty and non-teaching staff.

7. Special paid leave is offered to all faculty member during their marriage

8. On duty leave is provided for faculties for research activities as per the requirements.

9. Faculties are provided with TA and DA for presenting technical papers in national and international conference.

10. Some of the teaching and non-teaching members are provided with Employee Provident Fund which is duly deducted every month from their salaries.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.3.2 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

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

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File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	No File Uploaded

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year**6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year**

6

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	No File Uploaded

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)**6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year**

131

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	No File Uploaded

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

1.Individual Achievements

- Student Feedback
- Quantitative and qualitative analysis of classes taken
- Results of Students in university examination
- Involvement of the mentor with the parents and the mentees are monitored by the HODs. Punctuality, Time Attendance and Leave Etiquettes
- individual efforts by the innovative research or product or prototype based idea, some outcomes in terms of project grant, publication, patent, consultancy or STTP/workshop/Conference
- Improvement of self by taking courses in NPTEL, Coursera, etc. Involvement of faculty in NPTEL, Coursera etc for improvement of knowledge considered by our organization

2.Performance In a Group

- Involvement in various accreditation and internal quality assurance work and improvement activities of the institution, submission of various information in time
- Relationship building, exposure of self and students, and entering MOU with Industry/Institutes
- Brand Building, Public Relations & Relation with University and other related organizations

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

KEC, Bhubaneswar believes in transparency in all the aspects of its financial matters. It conducts both internal and external financial audits in regular manner. It has a fulltime Treasurer and Accounts Department since inception to ensure maintenance of annual accounts and audits.

Internal Audit: Internal Audit is being conducted in each month from 25th to end of the month by Internal Auditors with an objective to review the routine activities and evaluate the financial efficiency of the organization.

External Audit: External Audit is also being done by a chartered Firm of the institute after completion of the financial year for the Institute and the same have been submitted after the end of every year. Externalaudit is undertaken to evaluate and examine the financial statement of the organization.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

2965324

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	No File Uploaded

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

Finance is the engine of growth of any institute. Being a self-financing institute, the major source of KEC is tuition fee collected from the students. Apart from this, the institute also generate funds from projects sponsored by government agencies, industry and consultancy services. Institute also receive grants from AICTE, UGC, CII, AIMA, TEQIP, BPUT and etc to organize seminars, FDP, MDP etc.

In order to utilize the funds in an optimum manner the institute follows and adopts innovative methods like competitive bidding, digitalization, in-house maintenance, use of solar panels, and CMS to optimize resource and avoid unnecessary expenditure.

The institute has a well-designed financial policy which ensures effective and optimal utilization of finances for academic, administrative and development purpose which help ultimately in realizing the institute's vision and mission.

The Institute has a well-defined procedure to monitor effective and efficient utilization of available financial resources for infrastructure development and academic processes.

The Management has given complete support to Principal for organization of various co-curricular & extracurricular activities like technical events, sponsoring of faculty & staff for various skill development programs, providing financial support for attending conferences, workshops, pursuance of higher education etc. Financial support is also provided for participation of students at various national and international level events like Hackathons, Startups, and technical festivals of IITs & NITs

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

The Internal Quality Assurance Cell of KEC, Bhubaneswar believes in value based, culture oriented and Quality education. Thus every year IQAC organizes conferences, workshops, Faculty Development Programs, seminars, etc. in which our faculty members are actively involved. Also IQAC encourages to attend seminars, workshops & FDP programs organized by other institutions. IQAC also constantly encourages the faculty members to improve their profile through publication of Research papers in Journals of repute, to undertake sponsored research projects and to become members of various professional bodies.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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 and recorded the incremental improvement in various activities

KEC has a well designed methodology to operate teaching-learning process and its IQAC continuously reviews the same (Flow chart enclosed herewith). At the time of starting of a session, the Academic calendar (day wise detail) is prepared by IQAC taking reference to that of published by affiliating university i.e- BijuPattnaik University of Technology and circulated among all stakeholders. As per the assigned load to faculty members, they upload the detail lesson plan mapped with Course Outcomes & PPT through IMS (Institute management system) for monitoring by IQAC. The Departmental Advisory Board (DAB) & performance Assessment Committee (PAC) of each branch/

department constituted by IQAC reviews the periodical course coverage, extra classes at week end, use of ICT facility by faculty members, conduction of doubt clearing classes, students attendance in each class, discipline in class room, conduction of lab experiments beyond syllabus, faculty punctuality in class room, conduction of quiz tests, surprise tests, internal tests in time with strict invigilation, assessment & publication of results of all internal tests in time, maintenance of course file by each faculty members, old questions & answers discussion in class room, solving of problems in class room, etc.. and submit the consolidated report to IQAC.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities**7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year**

KEC as a co-educational institution ensures that equal rights, opportunities and responsibilities be provided to all irrespective of gender. KEC believes in the society that value men and women as equal. The vision of the institute for gender equity is to have equal access to resources and to be treated with respect and dignity. Some major initiatives are taken at the institute to promote gender equity. Every year 8th March is celebrated as women's day. The aim of this initiative is to bring awareness among the girl child of this society which leads to overall development of nation and its community. Poster presentation or rangoli competition is organized on theme like 'beti bachao beti padhao', 'save girl child' etc. which tends to promote gender equity awareness among students.

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

C. Any 2 of the above

File Description	Documents
Geo tagged Photographs	No File Uploaded
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

The following Waste Management practices are adopted in our institute campus, we have tried to reduce the waste and transfer it in some form of wealth.

Solid Waste Management: Dust bins are arranged at various locations to litter. Sign boards arranged with slogans 'Do not litter'. Adequate sweepers and scavengers appointed to maintain clean campus. At every week-end, students and staff members are encouraged to participate in 'SWACHA BHARATH ABHIYAN' program to keep the campus and nearby villages neat and clean. Biogas plant and Vermiculture units are established in the institute to dispose the canteen wastes into some valuable outcomes.

Liquid Waste Management: Most of the waste water is used to irrigate/cultivate greenery and certain portion is send to Sedimentation tanks. The waste waters are used for gardening and Algae culture.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

C. Any 2 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

- 1.Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3.Pedestrian-friendly pathways**
- 4.Ban on use of plastic**
- 5.Landscaping**

File Description	Documents
Geo tagged photos / videos of the facilities	No File Uploaded
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for

A. Any 4 or all of the above

persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

KEC has taken number of initiatives to promote tolerance towards Cultural, regional, communal, socioeconomic diversities. Every year we organize 6 musical nights where the students of different states showcase their culture through dance, drama and music. The girls and boys are also given equal chance to perform thus promoting harmony amongst different cultures, regions and communes. In our hobby clubs every week the students take part in quizzes, Poetry writing, storytelling in different languages thus inculcating linguistic harmony. The students belonging to different states with different languages are accommodated in the same hostel room to bring linguistic harmony.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional

obligations: values, rights, duties and responsibilities of citizens

On 15th August Independence day is celebrated with great zeal and respect at KEC by unfurling tricolor flag, singing National Anthem, organizing cultural program to express the joy of our freedom. Republic day is celebrated

On 26th Jan by hoisting the National flag and pledging to uphold the honor and integrity of the nation. The importance of Indian constitution is highlighted in the program by conducting cultural items such as patriotic songs, folk dances and speeches.

Every year 26th November is celebrated as constitution day at the campus in which the fundamental rights, duties, values and responsibilities of citizens as stated in constitution of India is discussed.

January 25 is celebrated as "National voter's day" by organizing interactive session to encourage the young voters to cast their votes in the government of India elections.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	Nil
Any other relevant information	Nil

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff
4. Annual awareness programmes on Code of Conduct are organized

A. All of the above

File Description	Documents
Code of ethics policy document	No File Uploaded
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

The Institute proudly celebrates international and national commemorative days, events and festivals to mark the nationhood. These days are celebrated with a unique zeal and zest. KEC has student from various parts of the country which reflects unity in diversity. The Institute proudly organizes the following events with active participation of students and faculty members.

2nd October is celebrated every year as birth anniversary of Mahatama Gandhi by conducting cleanliness drive in college campus and nearby villages. This helps the institute to develop the Social Quotient and Emotional Quotient among the students.

On the auspicious occasion of Dr. Sarvepalli Radhakrishnan's birthday, Teacher's Day is celebrated to show their gratitude toward teachers. All the non-teaching and teaching Staff are given gift and scroll as a token of love and respect towards the teachers by students.

Our Institute commemorate the birthday of Pandit Jawaharlal Nehru, as Children's Day by organizing various cultural programs.

International Yoga Day is celebrated at KEC on 21st June since 2015. Yoga is an inestimable gift from ancient tradition of India. It stands for unity of thought and action, mind and body, a holistic approach to health and well-being. Practical session and Demonstration are given by trainer to remain fit and improve concentration.

Utkal Divas is celebrated with much pomp and gaiety at GIFT to commemorate the formation of Odisha as a separate province.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	No File Uploaded
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

1. 100 % Plastic free campus.

2. 100 % gender equqlity campus

File Description	Documents
Best practices in the Institutional website	Nil
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

The Vision of the Institute focuses on Global Standards, Value-based Education and Sustainable Development. A high quality of academic excellence can provide value-added experience for the students. The positive outcomes are achieved by designing the curriculum to meet the global requirements and through teachinglearning methods blended with ethical values. The structured induction of the student into the curriculum enables to visualize the career opportunities and the approach towards achieving them. Participation of students in Co-Curricula Activities and Extra Curricular Activities helps to enhance all round personality development. Experiences and appreciations gained through these activities assist students during internships. Career guidance and Personal counseling. The NSS

units of the college have been recognized by the State Govt and frequently arranging many social activities. The NCC unit of the institution is also attending different NCC camps and many of the NCC cadets awarded during these camps.

File Description	Documents
Appropriate web in the Institutional website	No File Uploaded
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

The College IQAC has identified the broad objectives which the College should strive to achieve during this period, which are enumerated as under To facilitate continuous upgradation and updation of Knowledge Use of Technology, by Faculty and Students To fulfil its Social Obligations, in the manner of providing formal informal education, dissemination of Knowledge, organizing programmes and activities for the benefit of the Community and Other Stakeholders To fulfil its Social Obligations, in the manner of providing formal informal education, dissemination of Knowledge, organizing programmes and activities for the benefit of the Community and Other Stakeholders To encourage and facilitate Research Culture, to promote Research by students and Faculty and Consultancy by Faculty