



Yearly Status Report - 2019-2020

Part A

Data of the Institution

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 own campus	Yes
Phone no/Alternate Phone no.	917894438137
Mobile no.	7894438101
Registered Email	kec_principal@krupajal.ac.in
Alternate Email	bibsraith@gmail.com
Address	KRUPAJAL ENGINEERING COLLEGE, AT-PRASANTI VIHAR, Near CIFA, PUBASASAN, KAUSALYA GANGA, BHUBANESWAR-751002
City/Town	BHUBANESWAR
State/UT	Orissa
Pincode	751002

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr. Subhendu Kumar Pani
Phone no/Alternate Phone no.	06742590008
Mobile no.	7008806040
Registered Email	pani.subhendu@gmail.com
Alternate Email	subhendukumarpani@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: Weblink :	https://www.krupajal.ac.in/page.php?page=academic-calender

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.07	2008	28-Mar-2008	27-Mar-2013

6. Date of Establishment of IQAC	20-Jun-2017
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
workshop on cos and pos	09-Jun-2020	56

mapping	4	
workshop on cyber crime	14-Jul-2020 1	112
No Files Uploaded !!!		

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

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

implementation of outcome based education. seminar on ipr Submission of projects for funding implementation of ICT in class rooms

No Files Uploaded !!!

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

Plan of Action	Achivements/Outcomes
ICT implementation	ten classes implemented with ICT
Modernization of Labs	two computer labs were updated with new systems
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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1"> <tr> <td>Name of Statutory Body</td> <td>Meeting Date</td> </tr> <tr> <td>Governing Body</td> <td>31-Dec-2020</td> </tr> </table>		Name of Statutory Body	Meeting Date	Governing Body	31-Dec-2020
Name of Statutory Body	Meeting Date				
Governing Body	31-Dec-2020				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2020				
Date of Submission	04-Jun-2020				
17. Does the Institution have Management Information System ?	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	exam control, academics , employee module				

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

As an affiliated College, the Institution follows curriculum provided by its affiliating university, Biju Patnaik University of Technology. 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 Head of the Departments 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. The institute has its own teaching strategy to promote value-based teaching learning system to increase competency levels of students to match the

changing needs of industry and society. The mechanism adopted for evaluating the performance of teachers is through feed-back from various stakeholders, the prime source being the same from students & parents. The institute has a system for assessing the knowledge and skills for particular programs. Besides teaching, group discussions, tutorials, class tests, assignments, surprise tests, remedial and bridge classes, seminars, debates, field studies, study tours etc. are conducted to enrich the quality of teaching.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
TECHNICAL WRITING /ADVANCE EXCEL DATA VISUALIZATION	N/A	17/08/2019	40	employability	Skill Development
TUNNEL ENGINEERING	N/A	22/08/2019	40	employability	Skill Development
ETABS STRUCTURAL DESIGN OF BUILDINGS	N/A	17/08/2019	40	employability	Skill Development
ARCHITECTURAL PLANNING	N/A	22/08/2019	40	employability	Skill Development
CLOUD SOLUTIONS ARCHITECT	N/A	22/08/2019	40	employability	Skill Development
ETHICAL HACKING	N/A	17/08/2019	40	employability	Skill Development
COMPUTATIONAL THINKING FOR PROBLEM SOLVING	N/A	22/08/2019	40	employability	Skill Development
RESTRUCTURED POWER SYSTEM	N/A	12/12/2019	40	employability	Skill Development
SPECIAL MACHINES	N/A	12/12/2019	40	employability	Skill Development
DISTRIBUTION SYSTEM ENGINEERING	N/A	17/08/2019	40	employability	Skill Development
BASICS OF SOLAR ENERGY	N/A	18/12/2019	40	employability	Skill Development
OPTIMAL CONTROL	N/A	18/12/2019	40	employability	Skill Development
FUNDAMENTALS OF NANOPHOTONIC MODELING	N/A	24/01/2020	40	employability	Skill Development

ADVANCED POWER ELECTRONICS	N/A	12/12/2019	40	employability	Skill Development
PROCESS CONTROL	N/A	24/01/2020	40	employability	Skill Development
TRANSMISSION LINES AND RF SYSTEMS	N/A	12/12/2019	40	employability	Skill Development
CORROSION SCIENCE AND ENGINEERING	N/A	24/01/2020	40	employability	Skill Development
FUNDAMENTALS OF ADDITIVE MANUFACTURING	N/A	18/12/2019	40	employability	Skill Development
CAD MODELLING: PTC CREO	N/A	24/01/2020	40	employability	Skill Development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
No Data Entered/Not Applicable !!!		

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	1296	0

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
TECHNICAL WRITING /ADVANCE EXCEL DATA VISUALIZATION	17/08/2019	507
TUNNEL ENGINEERING	22/08/2019	112
ETABS STRUCTURAL DESIGN OF BUILDINGS	17/08/2019	111
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field
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		Projects / Internships
BTech	CIVIL ENGINEERING	389
BTech	COMPUTER SCIENCE AND ENGINEERING	306
BTech	ELECTRICAL ENGINEERING	176
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained
<p>1. Student feedback: Student feedback on the teaching learning process is collected both verbally and through college management software twice in each semester and analysed by HOD and principal. The suggestions provided by students are given due weightage for course correction purpose. Student feedback on academics is addressed by the principal in the student representative meeting. Also, feedback is obtained at the end of the semester from students on the teaching process of the course handling faculty and any deviation observed, the concerned faculty is advised to improve on their performance by the Head of the department.</p> <p>2. Exit survey: The main purpose of this survey is to check the attainment of the program outcomes. This survey is obtained from students at the end of the programme. The feedback of all the students are analysed and attainment score for each programme outcome is analysed and score of each programme outcome and overall programme outcome attainment score. Corrective measure are taken for deviation in attainment score.</p> <p>3. Alumni Feedback: This Feedback is obtained from the alumni from time to time for knowing the attainment of programme educational objectives, programme specific out comes and programme outcomes and are analysed and corrective actions are taken if required.</p> <p>4. Employer Feedback: This is obtained from the employers by the placement cell for understanding the requirements of industry, placement cell and the concerned departments are taking corrective measures based on the feedback obtained from the employers.</p> <p>5. Parent Feedback: This feedback is obtained from the parents periodically for understanding their satisfaction level in teaching learning process, other facilities available in the campus etc. All the feedback are analysed both in the department meetings and institute level.</p> <p>6. Teachers Feedback: Teachers feedback on students performance is obtained through mentor/ mentee system and TI PI system.</p>

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
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BTech	CIVIL ENGINEERING	180	140	119
BTech	COMPUTER SCIENCE AND ENGINEERING	120	98	82
BTech	ELECTRICAL ENGINEERING	90	81	64
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	2065	1	127	3	5

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
130	130	10	15	12	12
View File of ICT Tools and resources					
View File of E-resources and techniques used					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Student Mentoring system is implemented at department level and monitored centrally. Approximately 20 students assigned to a particular mentor. The main role of the mentor is act as a guide to the student in the day to day activities of student at college. The mentors meet student regularly and during interaction the mentors try to understand mental and psychological condition of students. They also advise them as and when required by the students. The mentors keep a close look on day to day attendance of students. They also interact with parents regularly and also as per the specific need of a student. Mentors guide the students in participating curricular and extra curricular activities.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2066	130	1:16

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
130	130	0	10	37

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers	Designation	Name of the award,
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	receiving awards from state level, national level, international level		fellowship, received from Government or recognized bodies
2019	JITAMITRA MOHANTY	Assistant Professor	BEST INNOVATION
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	UG1	1/1, 3/2, 5/3, 7/4	23/11/2019	17/02/2020
BTech	UG2	1/1, 3/2, 5/3, 7/4	23/11/2019	17/02/2020
BTech	UG3	1/1, 3/2, 5/3, 7/4	23/11/2019	17/02/2020

[View File](#)

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Krupajal Engineering College implemented Continuous Internal Evaluation (CIE) Process a regular practice in all its programmes and also for all courses. The CIE process is followed for both theory and practical subjects. In each semester two internal examinations are conducted in regular intervals for each subject. Apart from this subject teachers conduct class tests in the classroom. Based on the marks of internal examination and class test poor performing students are identified. Special attention and doubt clearing classes are conducted for these students. These students are allowed to appear the test again and again till the improvement is observed. For practical evaluation is conducted in all classes. For each experiment specific mark is assigned. Again the mark is divided in to sub categories like attendance, performance, record and viva voice. The valuation is done on the same experiment day. The obtained marks are displayed in the notice board. Poor performing students are provided with another demonstration and practical class and again viva voice is taken for observing the improvement. Seminars are conducted in regular basis and performance of students are evaluated. For project work students/student groups have to appear before the Project Evaluation Group (PEG) every month. PEG consists of senior faculties of department. The project progress is recorded and evaluated accordingly.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

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.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

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

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
UG1	BTech	CIVIL ENGINEERING	107	94	87.85
UG2	BTech	COMPUTER SCIENCE AND ENGINEERING	90	85	94.44
UG3	BTech	ELECTRICAL ENGINEERING	55	49	89.09

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

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

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Industry sponsored Projects	365	Project point	3.76	3.76
Industry sponsored Projects	365	Kamar Hatty Company Limited	1.84	1.84

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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
National Workshop on Innovation-based entrepreneurship policy	Mechanical Engineering	22/12/2020

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
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No Data Entered/Not Applicable !!!

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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
6	48	61

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
N/A	0

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	CIVIL ENGINEERING	6	2.1
International	COMPUTER SCIENCE AND ENGINEERING	6	2.1
View File			

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
CIVIL ENGINEERING	6
COMPUTER SCIENCE AND ENGINEERING	5
No file uploaded.	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
No file uploaded.						

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	42	36	3	0
Presented papers	34	29	3	0
Resource persons	6	5	2	0
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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Village cleaning in Sanghalai Sasan	NSS unit of KEC	12	115
View File			

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
No file uploaded.			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swaachh Bharat Abhiyaan	NSS unit of KEC	Village cleaning in Sanghalai Sasan	12	115
View File				

3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
STUDENT EXCHANGE	362	INSTITUTION	14
FACULTY EXCHANGE	24	INSTITUTION	7
INFRASTRUCTURE SHARING	62	INSTITUTION	365
No file uploaded.			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/	Duration From	Duration To	Participant
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		industry /research lab with contact details			
Faculty Exchange Program	Faculty Exchange Program	Aryan Institute of Engineering Technology, BBSR	25/11/2019	30/11/2019	3
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
OLTRON TECHNOLOGY	18/12/2019	Exchange of Technology Project	24
SILAN TECHNOLOGY	18/02/2020	Exchange of Technology Project	31
No file uploaded.			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
130	130.26

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS	Nature of automation (fully)	Version	Year of automation
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software	or partially)		
KOHA	Fully	18.11	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Text Books	13290	5386000	1025	495201	14315
Reference Books	2402	631436	162	69521	2564	700957
e-Books	11979	115695	920	9265	12899	124960
Journals	53	253733	5	7123	58	260856
e-Journals	68	98484	5	11336	73	109820
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
RITHES HOYI	AUTOCAD	IMS (Institute Management System)	17/07/2019
BIBHU PRASAD SAHOO	SOLID STATE PHYSICS	IMS (Institute Management System)	10/11/2020
BIKASH CHANDRA PATTANAİK	DOT NET	IMS (Institute Management System)	10/12/2019
DILLIP KUMAR BISWAL	HEAT TRANSFER	IMS (Institute Management System)	10/02/2020
LIPSA RAY	MICROWAVE ENGINEERING	IMS (Institute Management System)	25/02/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	580	12	150	3	1	10	24	150	0
Added	25	1	0	0	1	12	0	0	0
Total	605	13	150	3	2	22	24	150	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

150 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
IMS (Institute Management System)	https://www.krupajal.ac.in/

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
No Data Entered/Not Applicable !!!			

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

<p>The primary responsibility of the management and head of institution to develop the infrastructure and other facilities in regular intervals. A central library with research information and periodicals like Indian Academic Sciences, e-library K-HUB, Library Automation with KOHA Software, DELNET with Reprographic services available to all the students and staff. Periodic upgradation of books and journals are done according to the needs of the students and faculties of various departments. Wi-Fi enabled campus Internet facility has been upgraded in regular basis. The Research and Development (R D) Cell encourages faculty to participate in independent / collaborative research. The Institution provides following research facilities. Financial support for R D activities including reimbursement of travel expenses and registration fees. The institution is also giving more emphasis on sports and other cocurricular activities. Indoor and Outdoor games, multi gymnasium are available inside the campus. A dedicated sports teacher is also taking Yoga classes at morning and evening time.</p> <p style="text-align: center;">https://www.krupajal.ac.in/</p>
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CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	POST MATRIC SCHOLARSHIP , ODISHA	838	47289600
Financial Support from Other Sources			
a) National	NATIOANAL SCHOLARSHIP (MINORITY)	13	325000
b) International	Nil	Nil	Nil
No file uploaded.			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved

Soft Skills Sessions:Time Management and Decision Making	09/10/2019	40	Veta, A/141, Saheed Nagar, Square, near Vani Vihar, Bhubaneswar, Odisha 751007
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[View File](#)

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	GATE Coaching Classes for Mechanical Engineering	33	33	1	1

[View File](#)

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
No Data Entered/Not Applicable !!!					
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	2	B.Tech	CIVIL	NMIET, Bhubaneswar	M.TECH

[View File](#)

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	6
CAT	2

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
INTER COLLEGE ATHELETIC MEET	INTER COLLEGE	312
INTER COLLEGE CULTURAL MEET	INTER COLLEGE	278
INTER COLLEGE SPORTS MEET	INTER COLLEGE	302

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	KRATORQ-2019	Nil	Nil	Nil	Nil	Nil

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The Institute follows Proctorial system in which each Proctor is designated to care 20 students. Institute also arranges the following programmes on a regular basis to guide the students. • Orientation programmes • Personal Counselling • Career Counselling. • Seminars by Industrial experts. There is a mentoring system in place in the college to take care of the interests of all the students on rolls. The mentors provide professional guidance and tactical support for Entrepreneurship including its procedures, statutory requirements, Licensing needs, potential areas for SMEs etc. The mentor coordinates with the college authorities to invite industry professionals, experts from bank financial institutions, Govt. agencies for one-to-one interaction with the students. He also coordinates with the authorities for Industrial Visits and Internships to familiarize students with Industrial Work scenario. Awareness and support are provided to students relating to GATE, GRE, CAT, ISRO, Defense Services, DRDO, BARC, and other Govt. PSUs examinations. There is a mentoring system in place in the college to take care of the interests of all the students on rolls. The mentors provide professional guidance and tactical support for Entrepreneurship including its procedures, statutory requirements, Licensing needs, potential areas for SMEs etc. The mentor coordinates with the college authorities to invite industry professionals, experts from bank financial institutions, Govt. agencies for one-to-one interaction with the students. He also coordinates with the authorities for Industrial Visits and Internships to familiarize students with Industrial Work scenario. Awareness and support are provided to students relating to GATE, GRE, CAT, ISRO, defense Services, DRDO, BARC, and other Govt. PSUs examinations.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

196

5.4.3 – Alumni contribution during the year (in Rupees) :

4750000

5.4.4 – Meetings/activities organized by Alumni Association :

The alumni members met twice in a year. The association involved in many sociocultural and academic activities during the academic year 2019-20. They are also giving their valuable suggestions for the development of the institution. Nine numbers of alumni interacted with students during the academic year during the year.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The principal is the sole authority of the institution. Students and faculties are empowered to play an active role in cocurricular and extracurricular activities, and social services. The institution promotes a culture of participative management by involving the staff and students in various activities, there are different committees such as drama club, women Cell, NSS, IQAC, mentoring etc. The College core committee formulates common working procedures and entrusts the implementation through departments, The department or committee in charge manages the activities of the department and keep track of cocurricular and extracurricular activities in the College. Other units of college like sports, library, students council also operates under the guidance of the various committees and also students are involved in the decision making process to some extent.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	The institute follows the syllabus prescribed by Biju Patnaik University of Technology, Odisha. 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.
Teaching and Learning	The institute has its own teaching strategy to promote value-based teaching learning system to increase competency levels of students to match the changing needs of industry and society. The mechanism adopted for evaluating the performance of teachers is through feed-back from various stakeholders, the prime source being

the same from students parents. The feedback is analysed and discussed by HoDs with the concerned teacher and suggestions are made for further improvements. The non-teaching staff are evaluated qualitatively in consultations with the Principal. The institute has a system for assessing the knowledge and skills for particular programs. Besides teaching, group discussions, tutorials, class tests, assignments, surprise tests, remedial and bridge classes, seminars, debates, field studies, study tours etc. are conducted to enrich the quality of teaching. The Campus is Wi-Fi enabled. It has well equipped labs, workshops and library. AIET has well qualified and experienced faculty members. Seminars, workshops, add-on programs etc. are conducted for teachers to enhance their knowledge and skills.

Examination and Evaluation

The examination and evaluation process is depends on the university i.e. Biju Patnaik University of Technology, Rourkela, Odisha. Continuous evaluation using assignments, quiz, class test, group discussions, presentation, case studies and sessional exams is to improve the quality.

Research and Development

The Research and Development (RD) Cell encourages faculty to participate in independent / collaborative research. The Institution provides following research facilities: • Well equipped laboratories. • A library with research information and periodicals. • Wi-Fi enabled campus. • Leave facilities for higher studies /research. • Financial support for RD activities including reimbursement of travel expenses and registration fees.

Library, ICT and Physical Infrastructure / Instrumentation

• A library with research information and periodicals like Indian Academic Sciences, e-library K-HUB, Library Automation with KOHA Software, DELNET with Reprographic services. • Wi-Fi enabled campus. • Internet facility has been upgraded every year. • ICT enabled class rooms.

Human Resource Management

Adequate no. of qualified teaching and supporting staff are appointed through notified procedures of open advertisement, demo-classes interview by expert panels as per norms of

	AICTE/Govt. of Orissa/BPUT. Programs on communication skills/GD personality development programs for students, faculty development programs held at regular intervals. Various incentive schemes and welfare activities are used for motivating students / staff. Instead of six-day teaching per week, classes are held for five days leaving the Saturday for curricular and extracurricular activities.
Industry Interaction / Collaboration	i) Study Tours and Industrial Visits to various industries for practical exposure of students /faculty. ii) Partnership agreements entered with other institutes / industry. iii) Industrial training / on-line projects are arranged. iv) Industry experts / eminent academicians are invited as guest speakers. v) Students participate in many industry sponsored programs /Certificate courses / summer training etc.
Admission of Students	Admissions are made through a single window i.e. Joint Entrance Examination and reservations guideline is strictly followed as issued by the Govt. of Odisha / Regulatory Bodies from time to time.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	The institute uses latest Tally software for all types of financial activities. The institute also gives more emphasis on digital mode of transaction.
Administration	All the notices and important activities are uploaded in the college website. SMS and automated Email service implemented for all the stakeholders. e-governance software used for redressal of all types of grievances.
Finance and Accounts	The total administration of the institute is depends on the ERP software.
Student Admission and Support	The admission process is done through e-counselling process. The detail profile of the institution, infrastructure and facilities, fee structure etc are uploaded on the institute website.
Examination	As an affiliated institute, the university designed an UMS (University

Management System) through which all the examination related activities are being carried out.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
Nil	DILLIP KUMAR BISWAL	CONFERENCE	N/A	6000
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Recent advances in materials characterization	Nil	21/09/2019	25/09/2019	10	2
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Application of Composite Material In Mechanical and Structural Work	14	23/12/2019	28/12/2019	6
Information Security: Issues and challenges	22	24/02/2020	28/02/2020	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
130	130	68	68

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
5	5	8

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Internal audit is done after every six months where the auditing team checks the income received from the students which is recorded in the software and reconciled with the fees that is to be received according to class wise. Cash book is checked with the help of bank statement and vouchers maintained by the institution along with physical cash verification. Reports of Income and Expenditure statement is submitted to the Chartered Accountant who prepared the financial statement and other reports for the institution.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
KAMARHATTY INDUSTRIES	256000	FDP
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6.4.3 – Total corpus fund generated

2856656

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	BPUT, ODISHA	Yes	PRINCIPAL
Administrative	Yes	Nil	Yes	PRINCIPAL

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Parent Teacher Association meeting is conducted periodically to know about the students' progress. The parents get an opportunity to interact with the faculty advisors and heads of the departments to know about their ward's performance and study.

6.5.3 – Development programmes for support staff (at least three)

- Short term computer literacy courses for the supporting staff being conducted in regular intervals.
- Orientation program of non-teaching staff was conducted
- Technical training programmes are organised to enhance their skill and up to date with current technology for technical and non-teaching staff.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Organised Student Induction Programme 2. Strengthened NCC/NSS activities

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
c)ISO certification	No

d)NBA or any other quality audit

No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Analyzing effectiveness of study tour	28/08/2019	02/09/2019	05/09/2019	226
2019	Improving number of internship by students	28/08/2019	07/10/2019	10/10/2019	129
2020	Improvement of Teaching Learning Process	26/02/2020	17/03/2020	21/03/2020	236
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**7.1 – Institutional Values and Social Responsibilities**

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
MSME entrepreneurship development program for women	20/11/2018	20/11/2018	96	0
International Woman's Day	08/03/2019	08/03/2019	179	0

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

- Solar Street lights with automatic off on control.
- Waste water Treatment plant

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	10
Ramp/Rails	Yes	12
Rest Rooms	Yes	14

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational	Number of initiatives taken to engage with	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
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	advantages and disadvantages	and contribute to local community					
2019	2	2	19/02/2019	1	Clean Village Drive	Cleanliness of the village	28
2020	2	2	21/03/2019	1	Tree Plantation	For green village	26
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Students Hand Book	11/07/2018	The student should arrive to class on time. Every student must carry his/her Identity Card and have proper uniform whenever he/she enters the premises. Ragging is banned on the institute campus. Anyone found guilty of ragging and/or abetting ragging to be punished.
Faculty Hand book	25/07/2018	Every employee shall at all times serve efficiently, act in a disciplined manner and maintain absolute integrity and devotion to duty. Save in exceptional circumstances, no employee shall absent himself from his duties without having first obtained the permission of the authority provided in the Leave Rules.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence Day	Nil	Nil	Nil
Republic Day	Nil	Nil	Nil
Engineers Day	Nil	Nil	Nil
No file uploaded.			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Plantation programme.
- Installation of solar energy sources for lighting college campus, hostels, play-fields, street lighting, etc.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Extensively implemented 'Swachbharat' mission due to which the entire campus is dirt-free. During visits for community service, students and teacher volunteers promote this mission and its awareness among the local population.
2. Regular Yoga classes are organized for students under specialist yoga instructors.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://www.krupajal.ac.in/page.php?page=criterion-7>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 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 teaching learning 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-Curricular 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 recognised 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.

Provide the weblink of the institution

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

8.Future Plans of Actions for Next Academic Year

- Augmentation of Research and Paper publications in each department
- Conducting more nos. of Seminars and workshops by inviting Industry professionals and academic experts.
- Increase in interaction with stakeholders e.g. Parents guardians, Students, Alumni, Industry professionals.
- Thrust on conducting value based training programs for faculty, staff and students including refreshers courses.
- Conducting more campus drives.
- Full implementation of IMS.
- Increase in no. ICT enabled Class rooms in each department.
- Grooming students for entrepreneurship through support services i.e. Sensitization and awareness programs, Specialist talk programs by Industrialists, Experience sharing interactions, Programs on financing SMEs, Licensing procedures etc.
- Increased no. of Social Extension programs.
- Organizing Tech-Fest 2019.
- Thrust on conducting more nos. of Industrial visits for students.