



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	JOGINPALLY B.R.ENGINEERING COLLEGE
Name of the head of the Institution	Dr. V.Usha Shree
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08413-235684
Mobile no.	9704924777
Registered Email	principal@jbrec.edu.in
Alternate Email	valasani_usha1@yahoo.com
Address	Bhaskar Nagar, Yenkapally, Moinabad Mandal, R.R. District
City/Town	Hyderabad
State/UT	Telangana
Pincode	500075
2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural

Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. T.V.S.Arun Murthy
Phone no/Alternate Phone no.	08413265125
Mobile no.	9441220936
Registered Email	iqac@jbrec.edu.in
Alternate Email	viceprincipal@jbrec.edu.in

3. Website Address

Web-link of the AQAR:
(Previous Academic Year)

<https://jbrec.edu.in/iqac/>

4. Whether Academic Calendar prepared during the year

Yes

if yes, whether it is uploaded in the institutional website:
Weblink :

<https://jbrec.edu.in/exam-cell/academic-calender/>

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B++	2.76	2018	03-Jul-2018	02-Jul-2023

6. Date of Establishment of IQAC

06-Jan-2012

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
Intensive Teaching Workshop (ITW)	10-Jun-2020 10	18
IEEE Certifications during Pandemic	01-Apr-	7545

	2020 90	
Online Classes conducted during the Pandemic and completed the syllabus and conducted examinations as per the University Norms	01- Apr- 2020 90	1174
Effective English Communication Skills	06- Sep- 2019 180	87

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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
JBREC/EEE/Dr.S.Sathish Kumar	Entrepreneurship Awareness Camp	DST-NMIAT	2019 3	20000
JBREC/CSE/Mr.M.Ravi Kumar	TEQIP-III JNTUH	TEQIP-III JNTUH	2019 365	290000

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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 :

5

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

No

funding from any of the funding agency to support its activities during the year?

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

1 Consultancy Activities 2 All class rooms were enabled with ICT facilities 3 Established National Cadet Corp (NCC) Unit for Boys and Girls 4 Online Certifications FDPs 5 IIT Bombay Spoken Tutorial Virtual Labs 6 Established Solar power station of 60 KVA

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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
Utilization of ICT	Increased usage of ICT tools from 20 to 100 percentage
Effective Learning Management System	Upgradation

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Management	09-Mar-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

07-Jan-2020

17. Does the Institution have Management Information System ?	Yes
<p>If yes, give a brief description and a list of modules currently operational (maximum 500 words)</p>	<p>JBREC, Hyderabad is one of the leading Engineering institutes. JBREC, Hyderabad has continuously strived for excellence in quality education from the day of inception. With the continual efforts of management and all staff members, we are working on all areas for student improvisation as well as providing education using the latest technologies and trends in the global market. In addition to this, we have implemented vmedulife ICT platform in fullfledged manner for upgrading JBREC, Hyderabad to the next level of education. vmedulife is a cloudbased learning platform. vmedulife has provided an Academic Management System that helps the students, faculties, and the managerial board to keep a track of all on going activities related to the academic setup with userfriendly online platform accessible from web as well as mobile devices. We have provided access of this platform for all stakeholders to keep everyone in the loop and to focus more on nonverbal communication in management of all activities. The Outcome Based Education module has a builtin digital repository and a decisionmaking tool. Reliable and transparent brand providing academic software solutions. Innovative tools help the Management, Principal, and HODs to generate reports, graphs, and charts, with ease and in the fewest of the clicks. This helps you to make wellinformed decisions with all the necessary information. With successful implementation of the Academic management system, we have extended vmedulife implementation for the Administration part too. The following areas are being transformed into ICT enabled features.</p> <p>ACADEMICSEXAMINATION • Academic Planning • Outcome Software • Online Exam Software • Online Assignment Software • Result Analysis • Rubrics • IQAC Reports • Autonomy Exam Management • Learning Management System • Course FileAcademic • Faculty Profile • Integrated Library Management System • Training Placement Management • Alumni Management ADMINISTRATIVE • Employee</p>

Management • Admission • Online Feedback • Committee Meeting Management • Online Grievance Redressal Portal • Forms • Attendance Leave Management System • Events • Notice Board • Transport Management System • SMS Panel • Inward/Outward • Hostel Management • Inventory Management ACCOUNTING • Accounting • Payroll • Fees Management Software STUDENTS • Student Profile • Certificate • Mentoring

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. Exp words

JBREC is affiliated to JNTUH, Hyderabad. The curriculum of the college is in line with that of the affiliating university. The academic calendar of the affiliating university forms the basis for designing the college academic calendar. The college academic calendar consists of commencement date, working date, teaching periods, dates for conduction of the internal and external tests & extra co curricular activities. At the outset, the Principal of the institution conducts meetings regularly with the Heads of Departments to develop various strategies for effective implementation of the curriculum. The development & deployment of processes and action plan for effective implementation of the curriculum are detailed below: After admission, 1st year students are given an interactive orientation program followed by an induction program. The Heads of Department present the PPT about the total program courses with the curriculum of core subjects, the course structure and how the supportive subjects are enjoined at different stages and prerequisites. Each department exclusively has set of Vision and Mission statements which are aligned with the Vision and Mission of the College. As per OBE, Educational Objectives (PEO) and Program Outcomes (PO) are scripted for the program and Course Objectives and Course Outcomes (CO) are defined for each course (Theory & Practical). Head of the department conducts meeting with the faculty before commencement of the semester, in which subject allocation is made, identifies course in charges and class in charges. Course In-charge & Delivers the course contents, takes care of designing of course objectives, Outcomes, Mapping COs with POs, setting benchmark/targets for student performance, preparation of Teaching Plan, identifying delivery mode, developing the teaching materials and aids, ascertaining the content of the syllabus relevant to the course scheduling and executing remedial classes for weak students. Every course in charge prepares the course file which includes academic calendar, syllabus copy, lesson plan, unit wise class material, unit wise assignment questions, University questions and award lists. Unit wise structured lesson plans are prepared/ revised for all theory and practical courses on a period to period basis and are made available for student access. They are periodically reviewed by QAC members. Class In-charge

all courses in the class working along with Course In-charge, monitor syllabus coverage in class, support overall conduction of T-L process in class room. HOD is the overall in charge of proper functioning of the system. Monitors the delivery of course, achieve outcomes, design corrective measures whenever and wherever necessary. College implements Outcome Based Education in which Teaching Learning is made student centric. Seminar and E- class rooms with facility of advanced teaching aids such as LCD projector, broadband internet connectivity, and WI-FI are provided where students participate in group discussions, debates and seminars. Faculty and students has got the access to NPTEL, IUCEE, MIT, IETE video lectures for effective teaching learning practices. The college organizes workshops, and invites lecturers to encourage industry-academia interface among students and faculty members on a regular basis.

1.1.2 - Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship
Spoken Tutorial-HTML (IT)	Nil	03/02/2020	90	Nil
Spoken Tutorial-HTML (IT)	Nil	03/02/2020	90	Nil
Spoken Tutorial-Qcad (ME)	Nil	03/02/2020	90	Nil
Spoken Tutorial-Java (IT)	Nil	03/02/2020	90	Nil
Spoken Tutorial-LibreOffice Calc on BOSS Linux (ME)	Nil	03/02/2020	90	Nil
Spoken Tutorial-Moodle Learning Management System (ME)	Nil	03/02/2020	90	Nil
Spoken Tutorial- R (IT)	Nil	20/01/2020	90	Nil
Spoken Tutorial-PHP and MySQL (EEE)	Nil	20/01/2020	90	Nil
Spoken Tutorial- C and Cpp (ECE)	Nil	20/01/2020	90	Nil
Spoken Tutorial-Java (ECE)	Nil	20/01/2020	90	Nil
Spoken Tutorial-Linux (CSE)	Nil	20/01/2020	90	Nil
Spoken Tutorial-Java (IT)	Nil	20/01/2020	90	Nil
Spoken Tutorial-(EEE)	Nil	20/01/2020	90	Nil

Spoken Tutorial- R (CSE)	Nil	20/01/2020	90	Nil
Spoken Tutorial- PHP and MySQL (ECE)	Nil	20/01/2020	90	Nil
Spoken Tutorial- PHP and MySQL (IT)	Nil	20/01/2020	90	Nil
Spoken Tutorial- Moodle Learning Management System (ECE)	Nil	20/01/2020	90	Nil
Spoken Tutorial- Java (CSE)	Nil	20/01/2020	90	Nil
Spoken Tutorial- Linux (EEE)	Nil	20/01/2020	90	Nil
Spoken Tutorial- Moodle Learning Management System (MBA)	Nil	20/01/2020	90	Nil
Spoken Tutorial- HTML (CSE)	Nil	20/01/2020	90	Nil
Spoken Tutorial- Java (CSE)	Nil	20/01/2020	90	Nil
Spoken Tutorial- PHP and MySQL (CSE)	Nil	20/01/2020	90	Nil
Spoken Tutorial- Python 3.4.3 (EEE)	Nil	20/01/2020	90	Nil
Spoken Tutorial- LibreOffice Calc on BOSS Linux (MBA)	Nil	20/01/2020	90	Nil
Spoken Tutorial- HTML (IT)	Nil	20/01/2020	90	Nil
Spoken Tutorial- Scilab (ECE)	Nil	20/01/2020	90	Nil
Spoken Tutorial- RDBMS PostgreSQL (CSE)	Nil	20/01/2020	90	Nil
NPTEL-The Joy of Computing using Python	Nil	20/01/2020	90	Nil
NPTEL-Blockchain Architecture Design and Use Cases	Nil	20/01/2020	90	Nil
NPTEL-Introduction to Blockchain	Nil	20/01/2020	90	Nil

Technology and Applications				
NPTEL-An Introduction to Artificial Intelligence	Nil	20/01/2020	90	Nil
NPTEL-Power System Engineering	Nil	20/01/2020	90	Nil

1.2 - Academic Flexibility

1.2.1 - New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introd
Nil	Nil	Nil

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1.2.2 - Programmes in which Choice Based Credit System (CBCS)/Elective course system implement affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elec System
BTech	B. Tech-EEE	08/07/2019
BTech	B. Tech-ME	08/07/2019
BTech	B. Tech-ECE	08/07/2019
BTech	B. Tech-CSE	08/07/2019
BTech	B. Tech-IT	08/07/2019
BTech	M. TECh-PE&ED	08/07/2019
Mtech	M. Tech-CSE	08/07/2019
Mtech	MBA	08/07/2019

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

	Certificate	Diploma Cour
Number of Students	Nil	Nil

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 Enr
LIFE SKILLS	22/07/2019	1065

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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 Pro Internships

BTech	ECE	134
BTech	CSE	160
BTech	EEE	32
BTech	IT	66
BTech	ME	51
Mtech	CSE	1
Mtech	PE&ED	5
MBA	MBA	36

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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 in: (maximum 500 words)

Feedback Obtained

The feedback is collected various levels from Students, Parents, and A Then the feedback is analyzed and discussed at IQAC meetings. This inc faculty feedback, alumina feedback, student feedback, course exit surv Faculty feedback from the students for the respective course is taken a semester on various teaching/learning aspects and it is analysed by and corrective measures if any, are informed to the respective faculti further improvements. Course exit feedback and program exit feedbacks to analyse the understanding capability of the students. Feedbacks abo infrastructural facilities are taken from the final year students at t the program for improving the lab facilities, if any. The feedback so is analysed for further improvement. Feedback from the parents is take interacting with them during Parent Teacher Meet. Feedback is taken fr for suggestions or improvements in the curriculum. Feedback from the f students are taken for their suggestions in improving the curriculum a conveyed to the Chairman, BOS of the respective programmes of Universi JNTUH. Feedbacks from faculties are also taken for their suggestions i syllabus revision. Feedback is also collected from the companies. This is discussed in meeting of training and placement cell. Library has pr designated feedback forms which are kept on the circulation counter an fill-up by any user as per their wish. The collected data is entered i sheet and is presented in front of library committee for review and di We have also installed a suggestion box which is accessible to all the holders so that they can give their feedback/ suggestions for improvem

any. We have a system of taking feedback from students on infrastructure also subject wise teachers. This is a feedback on 5-point scale, which parameters like Subject knowledge, Expression, Teaching aids used, met etc. which is analysed by our management for taking appropriate decision improving the infrastructure and also quality of teachers. The alumni and exit feedbacks are taken from all students. From these forms we are make out whether the proper teaching learning process is in place. Also process enables the institute to improve in the areas where ever needed. Every semester junior faculties evaluation is processed by senior faculty subject experts and inform to the faculties for enhancing their skills. Feedback is key tool which triggers in continuous improvement in the quality of education. The feedback is taken from students in order to analyse and implement as per their needs. Also, feedback is taken from experts and examiners on quality of our students. Based on the faculty feedback the probationers and regular faculty are counseled for the lacunae. Based on above feedback and suggestions received we take corrective actions to complete the loop.

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
Mtech	PEED	18	19
Mtech	CSE	18	8
MBA	Nil	60	60
BTech	MECH	120	24
BTech	IT	60	60
BTech	EEE	60	40
BTech	ECE	120	94
BTech	CSE	120	110

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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
2019	988	103	116	15

2.3 - Teaching - Learning Process

2.3.1 - Percentage of teachers using ICT for effective teaching with Learning Management Systems 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-reflect
122	122	20	20	20	

[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)

JBREC has a strong mentoring system. Each student is attached to faculty mentors for personal career advancement, and development. Faculty members continue to be the mentors with the allocated to them for their entire stay. Every faculty member is expected to create a rapport with mentee, encourage him/her to ask questions, attempt to clarify doubts, and facilitate counseling issues (if/when required). The essence of mentorship is a sustained human relationship a one developmental relationship that ensures a student that he is a valued person. A mentor is expected the mentee's holistic development by guiding him/her in areas like academics, summer inter comprehensive viva, projects/dissertation, career choices, final placements, etc. Mentors are also focus on developing the following Employability Skills of their mentees and record/document a progression: JBREC has a strong mentoring system. Each student is attached to faculty mentors for guidance, career advancement and development. Faculty members continue to be the mentors students allocated to them for their entire stay. Every faculty member is expected to create a rapport student mentee, encourage him/her to ask questions, attempt to clarify doubts and facilitate co different issues (if/when required). The essence of mentorship is a sustained human relationship a developmental relationship that ensures a student that he is a valued person. A mentor is expected the mentee's holistic development by guiding him/her in areas like academics, summer inter comprehensive viva, projects/dissertation, career choices, final placements etc. Mentors are also focus on developing the following Employability Skills of their mentees and record/document a progression: Continuous and lifelong learning orientation Communication Skills Attitude and (Initiative and Enterprise Self Management-Planning and Organizing General Awareness Adap Flexibility A mentor is required to conduct two formal meetings (minimum) per month with their n in a group and one on a one-to-one basis). Details of all such meeting are to be documented in t sheets. The mentor on his/her part is expected to record the details of each meeting record in t Sheet, to be submitted to Class in Charge for Mentoring, every month(by succeeding month). could/should suggest/undertake corrective/remedial actions for problems faced by their mentees it in their successive monthly reports.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : M
1091	122	1

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
122	122	Nil	21	

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, re Government or recognized t
2019	Mahesh Enumula	Assistant Professor	Young Scientist Award International Association of Research and Development Organization

No file uploaded.

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 during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of semester-end/ year- end
BTech	05	I SEM	20/11/2019	07/02/2020
BTech	04	I SEM	20/11/2019	07/02/2020
BTech	02	I SEM	20/11/2019	07/02/2020
BTech	12	I SEM	20/11/2019	07/02/2020
BTech	03	I SEM	20/11/2019	07/02/2020
MBA	E0	I SEM	20/11/2019	20/03/2020
Mtech	58	I SEM	24/12/2019	20/03/2020
Mtech	54	I SEM	24/12/2019	20/03/2020

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2.5.2 - Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (25

As an affiliated institution of JNTUH, evaluation norms of the university followed. The university has adopted major reform in evaluation by introducing Credit based grading system from the academic year 2018-19 and the institution has adopted the same. The college has adopted a method of assessing academic Performance of the students on a continuous basis. Continuous assessment in theory subjects: As per the JNTUH regulations, the marks for internal exams are 25 and to that of external exams are 75. In this work, the college conducts the following components as part of internal Objective Question Paper (10 marks). Multiple choice and fill in the questions are given by university. Descriptive Question Paper (10 marks) of two descriptive papers will be given by the concerned faculty to each branch from which one will be selected. Blooms Taxonomy is followed in setting the internal exam question papers. Assignments (5 marks) comprise class tests, written assignments, seminars. and classroom interaction will be awarded for all the above activities and the average is taken as assignment marks. Prefinal exams are conducted for I year students which as a prelude to the university end semester examination. Continuous assessment in practical subjects: For practical subjects, there shall be a continuous evaluation during the semester for 25 sectional marks and 50 end exam

marks. To improve the outcome of laboratory work done in a semester, 25 marks for internal, day-to-day work in the laboratory shall be evaluated for 15 marks and internal examination for practical shall be evaluated for 10 marks conducted by the Concerned laboratory teacher. In this regard, the faculty shall do the keen evaluation of day to day performance of the student for experiment which includes regularity, procedure, results, viva and practical in submission of records and the marks obtained are recorded against the experiment in the student record. Continuous assessment in projects: A part of the internal assessment of projects which are done in III IV years, follows the following framework. Project Review Committee (PRC) is formed in every department consisting of Head of the Department, Project In charge and two senior faculty members to identify the projects. Students are formed into groups of 2 or 3. The groups collect the literature on a topic and review the literature and submit the title with objective, plan of action for approval to PRC. PRC assess and approves projects for each group. After obtaining the approval of the PRC the groups are allotted with a faculty member as their guide for the project and can start up the Project work. Regular meetings are conducted for the continuous assessment in project Review Committee. Review 1 covers abstract block diagram. Review 2 covers implementation. Review 3 covers results with code. Grades will be given for all the reviews. The average grade is taken and internal marks for projects will be awarded.

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

The academic calendar issued by the affiliating university forms the basis for designing college academic calendar. In a semester, there are two test assignments. Each of the tests consists of descriptive questions as well as Objective. The better of the two tests is considered for final internal assessment. As per the JNTUH regulations, the marks allotted internal 25 and to that of external exams are 75. The objective paper is for 10 marks and subjective paper is for 10 marks, with duration of 1 hour 20 minutes for objective and 60 minutes for subjective paper). Objective paper set by the University for 20 bits of - multiple choice questions, fill in the blanks for the 10 marks. Subjective paper of each semester shall contain 10 questions (one from each unit) of which, the student should answer 2 questions each carrying 5 marks. First midterm examination shall be conducted for 2.5 units of syllabus second midterm examination shall be conducted for remaining 2.5 units. 5 marks are allocated for Assignments (as specified by the concerned subject teacher) - first Assignment should be submitted before the conclusion of the first mid, and the second should be submitted before the conclusion of second mid. The total marks secured by the student in each midterm examination are evaluated for 25 marks, and the average of the two midterm examinations shall be taken as the final marks secured by each candidate. For practical subjects, there shall be a continuous evaluation during the semester for sectional marks and 50 end examination marks. Out of the 25 marks for day-to-day work in the laboratory shall be evaluated for 15 marks and internal examination for practical shall be evaluated for 10 marks conducted by concerned laboratory teacher. The end examination shall be conducted with external examiner and laboratory teacher. The external examiner shall be appointed from colleges as decided by the University examination branch. Evaluation of mini projects and main projects is also under the purview of the laboratory teacher.

University. The midterm examination marks are to be uploaded to univer the Stipulated time mentioned in the academic calendar. Lab external m to be uploaded to the university on the same day of completion of exte exam. College should upload the internal marks of mini project, techni seminar, comprehensive viva and main project in the stipulated time gi University. University puts together internal marks and university sem exams and declares the results.

2.6 - Student Performance and Learning Outcomes

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

<https://naac.jbrec.edu.in/2.6.1.AQAR.COURSE.OUTCOMES.pdf>

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
2	BTech	EEE	16	15
3	BTech	MECH	2	1
4	BTech	ECE	67	57
5	BTech	CSE	80	66
12	BTech	IT	33	27
D54	Mtech	PE&ED	8	6
D58	Mtech	CSE	Nil	Nil
E0	MBA	MBA	36	29

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2.7 - Student Satisfaction Survey

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

<https://naac.jbrec.edu.in/2.7.1.AQAR.SSS.pdf>

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 organisat

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	rece
Any Other (Specify)	365	JNTUH NSS Cell	0.22	
Minor Projects	365	TEQIP-III JNTUH	2.9	
Any Other (Specify)	3	Entrepreneurship Development Institute of India, Gujarat,	0.2	

India.				
Interdisciplinary Projects	365	Voila F9 Gourmet LLP, Hyderabad	6	
Interdisciplinary Projects	365	Oxford Grammer School, Himayath Nagar, Hyderabad	5.6	

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3.2 - Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	
World Intellectual Property Day	EEE, ECE, CSE, MECH, IT, MBA	2
Report on IEEE XPLORE : Delivering Research Better Than Ever	EEE, ECE, CSE, MECH, IT, MBA	2
MIC Driven Activity: leadership talk is with Mr. Ronnie Screwvala, Chairman Upgrade. (Talks about how youngsters should handle failures.	EEE, ECE, CSE, MECH, IT, MBA	1
MIC Driven Activity: leadership talk is with Dr. Vinay Sahasrabudhe, President ICCR Talks about how India will rise using its soft-power in the post-covid world will create more opportunities for youngsters	EEE, ECE, CSE, MECH, IT, MBA	1
MIC Driven Activity: leadership talk is with Ms. Shradha Sharma, Founder and Chief Editor , YourStory.com Talks about her journey struggle while starting Your Story)	EEE, ECE, CSE, MECH, IT, MBA	1
MIC Driven Activity: leadership talk is with Dr. Anand Deshpande, Founder, Chairman Managing Director, Persistent Systems. Talks about opportunities youngsters/start-ups will have in post Covid world)	EEE, ECE, CSE, MECH, IT, MBA	1
MIC Driven Activity: Leadership Talk with Dr. VK Saraswat, Member NITI Aayog Talks about opportunities this COVID crisis offers to India)	EEE, ECE, CSE, MECH, IT, MBA	1
Leadership Talk with Mr. Abhishek Singh, CEO, My Gov. For awareness about COVID19 and fighting Fake News misinformation and Busting Myths.)	EEE, ECE, CSE, MECH, IT, MBA	1
IPR Quiz	EEE, ECE, CSE, MECH, IT, MBA	2
LaTeX Programming	EEE, ECE, CSE, MECH, IT, MBA	3
Novelty Research beyond your ideas Through IEEE Xplore	EEE, ECE, CSE, MECH, IT, MBA	1
Entrepreneurship Awareness Camp	EEE, ECE, CSE, MECH, IT, MBA	1

IETE AI Poster Presentation	EEE, ECE, CSE, MECH, IT, MBA	2
Hands on Training on Assemble of Solar Study Lamp	EEE, ECE, CSE, MECH, IT, MBA	0
eSim a First Course in the IoT Series for Teachers	EEE, ECE, CSE, MECH, IT, MBA	2
Innovations in Past and Future	EEE, ECE, CSE, MECH, IT, MBA	1
Smart Search, Extraordinary Research with IEEE Xplore	EEE, ECE, CSE, MECH, IT, MBA	1
Episode 5: Webinar presentation on India First Leadership Talk Series- Innovation For Resurgent In India conducted by MHRD Innovation Cell Dr.Ramesh Pokhriyal Nishank Honourable Minister and HRD, Government of India, New Delhi.	EEE, ECE, CSE, MECH, IT, MBA	2

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
MHRD IIC - 4 Star	JBREC	MHRD	17/10/2020
Atal Ranking - Participation Certificate	JBREC	MHRD	28/08/2020

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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	Corr
TBIC (Technology Business Incubation Center)	MSME	Government of India	Funding Proposal for New Innovative Ideas	For Conducting Workshops /Internships/Project Proposals	21

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3.3 - Research Publications and Awards

3.3.1 - Incentive to the teachers who receive recognition/awards

State	National	International
1	1	20

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

Name of the Department	Number of PhD's Awarded
CSE	1

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

Type	Department	Number of Publication	Average Impact Factor
International	EEE	6	0
International	ECE	5	0
International	CSE	7	0
International	IT	1	0
International	SH	1	0

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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
IT	1
EEE	6
ECE	14
SH	3
CSE	8

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3.3.5 - Bibliometrics of the publications during the last Academic year based on average citation 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	Institution affiliator as mentioned in the publication
A low-cost monitoring system for maximum power point of a photovoltaic system	P.Rajendar	Journal of Information and Computational Science	2019	3	JNTUH
A Fine Grained research Over Human Action Recognition	Dr. V. Usha Shree	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	8	JNTUH
A Fault Diagnosis	Dr. V. Usha Shree	International Journal of	2019	9	JNTUH

Method based on Node Dynamic Behaviour Status Prediction in Distributed Sensor Network		Advanced Science and Technology (IJAST)			
A Novel Neural Network based Motion Estimation and Compensation based Video Enhancement	Dr. V. Usha Shree	Science technology and Development Journal	2019	9	JNTUH
A Fault Diagnosis Method based on Node Dynamic Behaviour Status Prediction in Distributed Sensor Network	Dr. S. Prabhakara Rao, M. Srinivasa Rao	International Journal of Advanced Science and Technology (IJAST)	2019	5	JNTUH
A Deep learning-aided Handwritten Digits Recognition	Mr. M. Ravikumar	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	8	JNTUH
Role of online communities in building customer loyalty	Dr. T. Mallikarjuna Raju, N. Hari Prasad	Anveshana's International Journal of Research in Regional Studies, Law, Social Sciences, Journalism and Management Practices	2019	3	JNTUH
Startups brand building using digital platforms in India	Dr. P. Naga krishna, Dr. T. Mallikarjuna Raju	parishod journal	2019	3	JNTUH

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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
A Novel Neural Network based Motion Estimation and Compensation based Video Enhancement	Dr. V. Usha Shree	Science technology and Development Journal	2019	10	5

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3.3.7 - Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State
Presented papers	98	156	55

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3.4 - Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Yoga Day	NSS Ministry of Youth	5	110

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3.4.2 - Awards and recognition received for extension activities from Government and other recognised during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students benefited
Skill Development Program	Certificate of Appreciation	Jagruthi Rural Development Society (JRDS)	

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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

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

NSS Orientation Day	NSS Ministry of Youth	National Service Scheme	5	1
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3.5 - Collaborations

3.5.1 - Number of Collaborative activities for research, faculty exchange, student exchange during

Nature of activity	Participant	Source of financial support
Collaborative activity for research - Deep Learning Aided - OCR for Hand Written Telugu Characters	Dr. V.Muni Sekhar, Mr.M.Ravi Kumar	TEQIP-III, JNTUH

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To
Faculty Exchange	Advanced Data Science and its Applications	BVRIT HYDERABAD College of Engineering for Women	22/06/2020	26/06/2020
Faculty Exchange	Advanced NDT Techniques Applications in Industry	Indian Society for Non Destructive Testing, QISCET, Ongole	25/05/2020	29/05/2020

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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 participating
CISCO Academy for students training and certification.	18/02/2019	CISCO Network Essentials Python Essentials Program from 1-4-2020 to 20-5-2020	
Gokaraju Rangaraji Institute of Engineering and Technology, Hyderabad	02/11/2019	Online AICTE Margdarshan FDP Art of Writing Papers and Research	

		Methodologies from 7th to 13th May 2020	
India matters Education, Chennai.	18/11/2019	TheUnited Kingdom and organising an "International Festival of Learning on 1-2-2020	
India matters Education, Chennai.	18/11/2019	Encouraging the students to participate in the activities of Global Education career Foundation (GECF)-29-1-2020	
Gokaraju Rangaraji Institute of Engineering and Technology, Hyderabad.	02/11/2019	Online AICTE Margdarshan FDP on outcome based Education held from 2-12-2019 to 7-12-2019	
Entrepreneurship Development Institute of India (EDII) to conduct open learning programme in Entrepreneurship.	05/10/2019	Entrepreneurship Awareness Camp-2019 from 14-11-2019 to 16-11-2019	
Dhanush Engineering, Hyderabad	01/07/2019	Connecting Mechanical Electrical Engineers in MEP Industry by Dhanush Engg Services Pvt Ltd., on 20-09-2019	
Telangana Association for Skill and Knowledge	14/07/2019	Training to students	
IIT B Spoken Tutorial	06/02/2019	Training for Students in Scilab, Python, Arduino, Latex and Computer Application in MLMS	
IIIT Hyderabad Virtual Labs	18/01/2019	Training to students of Experiments in online on 30-10-2019	

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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 dev
110.35	14.41

4.1.2 - Details of augmentation in infrastructure facilities during the year

Facilities	Existi
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	New
Campus Area	E3
Class rooms	E3
Laboratories	E3
Seminar Halls	E3
Classrooms with LCD facilities	E3

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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 software	Nature of automation (fully or patially)	Version	Year of
KOHA	Fully	18.05.07.000	

4.2.2 - Library Services

Library Service Type	Existing		Newly Added		To
Text Books	53212	15734544	1675	731556	54887
e-Books	13601	600000	Nil	Nil	13601
Journals	Nil	Nil	60	182253	60
e-Journals	Nil	Nil	186	542322	186
Digital Database	2	13570	Nil	Nil	2
CD & Video	225	Nil	Nil	Nil	225
Library Automation	1	Nil	Nil	Nil	1
Weeding (hard & soft)	Nil	Nil	Nil	Nil	Nil

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4.2.3 - E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & instit (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launch content
NIL	NIL	NIL	Nil

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4.3 - IT Infrastructure

4.3.1 - Technology Upgradation (overall)

Type	Total	Computer	Internet	Browsing	Computer	Office	Departments	Availat
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	Computers	Lab		centers	Centers			Bandwi (MBPS/G
Existing	732	21	600	2	1	20	6	50
Added	0	0	0	0	0	0	1	50
Total	732	21	600	2	1	20	7	100

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

100 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 facility
ERP Vmedulife	https://jbrec.edu.in/

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical facilities and academic support facilities, (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 facilities
98.48	91.55	76.24	72.83

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

1 . **Laboratory Maintenance:** The standard procedure followed for service and maintenance of equipment/machinery as follows. Lab technician check working condition of the equipment/systems on daily basis. Apparatus form is maintained in each lab to track the breakage and working equipment's. Every day cleaning of equipment and work tables are done by lab technicians. Floor cleaning of labs are done on daily basis by housekeeping department of the college. The proper working of all the equipment is maintained in all the laboratories with the help of the lab assistants and corrective measures are carried out. Floor mopping of labs are done twice in a month by housekeeping department of the college. 2. **Central Library:** Procurement and stocking of books. The order list shall be prepared on the basis of suggestions of the faculty based on the revised syllabus of the JNTUH. The list / order shall be forwarded to the Principal for approval who makes necessary changes, after that purchase order forwarded to management for final approval. After sanctioning the budget, it is forwarded to Library for procurement. The books received by the librarian are entered in the Accession Register (AR) in the Library System. After the completion of Accession, due date slip, numbering shall be pasted on internal Title slip of the Book. During the summer vacation annual stock verification is done by library committee headed by Dean-Library. 3. **Sports:** The sports materials are issued to the students by maintaining an issue/return register which reflects the utility and demand of the items along with the student interest. Subsequently it facilitates the proposals to be made for the purchase of sports materials.

academic year. Students who are selected for the college teams of v events are provided with uniform to participate in the same. Equipment to various physical activities and sports are updated on a regular ba upkeeping of the sports items in an efficient way is done through r monitoring using required work force. This includes all the sports fa like Gym, Cricket ground, Tennis, Volleyball, Basketball courts etc. Register is maintained to record all the material. In Semester break, is done. The gym and other equipment servicing are taken up as and required under the supervision of the Physical Director. The playgrov made ready and kept up to the mark before the commencement of sports a

4. Computers: Work is being carried out by System administrator an supporting team as follows. Website ERP Software support and mainte preparation of requirements, uploading of data on college website. S renewals every year as per the terms and conditions. Online Univer examination work of Phase I, Phase II and backlog during each semester configure, and test computer hardware, networking software and operati software. Recommend changes to improve systems and network configurati determine hardware or software requirements related to such changes. coordinate, and implement computer security measures in order to prote software, and

https://jbrec.edu.in/wp-content/uploads/2021/09/4.4.2_document.pdf

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
Financial Support from institution	Students Scholarship	39
Financial Support from Other Sources		
a) National	Government of Telangana, students Reimbursement scheme	702
b) International	NULL	Null

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5.1.2 - Number of capability enhancement and development schemes such as Soft skill developmen 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 - Aptitude training	23/09/2019	198	CL Educate Ltd Address: 416, 4th Above Paradise Hotel Amrutha Es Himayatnagar, Hyderabad, Telangan Phone: 088852 07550

Soft Skills - Reasoning	23/09/2019	198	CL Educate Ltd Address: 416, 4th Above Paradise Hotel Amrutha Es Himayatnagar, Hyderabad, Telangan Phone: 088852 07550
Soft Skills - Interview Skills	23/09/2019	198	CL Educate Ltd Address: 416, 4th Above Paradise Hotel Amrutha Es Himayatnagar, Hyderabad, Telangan Phone: 088852 07550
English Language Communication Skills	16/12/2019	276	Mr. Y Srinivas, English Language Communication Skills Lab, JB
Life Skills - Yoga Training	08/01/2020	1074	Mr. A. Raju Yoga Trainer Student Center - JBREC
Life Skills - Awareness Program on Health Hygiene	07/09/2019	426	Dr. K. Kavitha Bhaskar General Hospital Moinabad, RangaReddy District, Hyderabad 500075.
Motivation Lecture	08/08/2019	582	Dr. B. K. Sri latha, Brahma Kumaris Center Begumpet, Hyderabad, Telangan -
You Walk This Way Only Once	09/08/2019	146	Retd. Major General Dr. S. S. Das JBGEI, RangaReddy District, Hyderabad Telangan - 500075.

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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
2019	CRT - Aptitude Training	198	157	28
2019	CRT - Reasoning Ability	198	157	28

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

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

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	
MIRAKI TECH	68	14	TATA CONSULTANCY SERVICES	29	

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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	Number of students placed
2020	5	ECE	ECE	Nil	

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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
GRE	4
Any Other	4
Any Other	1

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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
INXS (Cultural Activity)	State	192
Akhil Memorial Cricket Cup	State	180
Srinivas Memorial Cup	State	70
Talaash (Cultural Activity)	State	220
Bhaskar Memorial Cup	State	200

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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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number
2019	Table Tennis	National	1	Nil	16J21A0417

Women Single				
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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)

Joginpally BR Engineering College (JBREC) is encouraging the students to participate in various academic and administrative committees for an inclusive academic environment in the institute. Students' views are taken into consideration while making any decision related to the students' activities for their continuous improvement and all round development of students. Also students are involved as members in several Institute and Department level committees for their active participation. The college is having various academic, administrative and student committees as follows: Class Review Committee: Every Class Degree Program has a Class Review Committee, consisting of Faculty and Students. Student members of class review committee assist the Institute (Departmental Academic Committee) in the process of academic plan implementation of every subject in a semester. IQAC: Student members help to propagate quality policies adopted by the institution among the fraternity and also help in projecting the students' view point while taking any quality policy decision. Training Placement Committee: Four students from each branch represent along with the HODs and Department Placement Coordinators. They discuss and implement the Training Placement related activities. Incessant suggestions are taken from the students to improve training facilities and placement opportunities. Student Professional Societies: Each student chapter has its own committee for IEEE, ISTE, etc., carry out their activities. These student-based activities are useful for promoting entrepreneur and event management skills in them. Library Committee: The students' representation is well taken into consideration while constituting the library committee. The students are consulted in procuring of new titles and other additional learning resources. Anti Ragging Committee: Student representatives monitor the fellow students' activities continuously and if any suspicious activity is identified, the same is informed to the respective authority. Sports Committee: Student representatives give suggestions regarding the sports activities within the institute and also address the adequacy and quality of the infrastructure and other facilities. NSS Committee: Students represent the NSS committee to identify the needs and problems of the community, involve themselves in problem-solving and social activities within them a sense of social and civic responsibility.

5.4 - Alumni Engagement

5.4.1 - Whether the institution has registered Alumni Association?

Yes

As a JBREC Alumni Association Reg.No:984/2018 5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words) Joginpally BR Engineering College, Alumni Association is formally registered under the Telangana Societies Registration Act., 2001 as "JBREC Alumni Association" with society registration number 984. The alumni meet is held every year in order to reconnect with the Alumni and celebrate their successes and various achievements. Around 250 Alumni attended the meet in 2020

their valuable feedback and suggestions for the betterment of Institut Alumni Association. Approximately 50 faculties and staff members were present for the meeting. Alumni Contributions: Alumni Referrals for Alumni provide information about job openings in the current market an in conducting Mock Interviews. Many-a-time, alumni themselves are part placement companies, and some of them are established entrepreneurs an jobs. They also provide continuous information through Whatsapp groups Placement Officer. Internship by Alumni: Some of the alumni are prov information about the internships in companies. Alumni Feedback: Alu feedback is a key input to strengthen the teaching and learning enviro the institute. Guest Lectures / Workshops: Technology is always changi there is a need for the Institute to fulfill the gap between industry academia through value added programs in the form of guest lectures. A ideal sources for this as they understand the culture of both industry and the college environment 5.3.2 No. of registered enrolled Alumni: 1 Alumni contribution during the year (in Rupees) : Rs 450/- 198 Nos Rs

5.4.2 - No. of enrolled Alumni:

198

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

89100

5.4.4 - Meetings/activities organized by Alumni Association :

Online Meeting was conducted due to Pandemic situation.

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 (500 words)

Response: The College follows decentralization in all its processes. Governing Body delegates all the academic and non-academic powers to the Principal. Principal and her team formulate common working procedures and entrusts implementation through Deans, Heads of the departments, Committees. The college ensures decentralization and thus delegates authority at different levels for ensuring good governance. A. Institute Delegates Operational Autonomy at Various Levels i. Principal Level: In order to implement the Vision and Mission of the institute, Principal of the institution delegates the academic, administrative, financial, and operational to various statutory committees and non statutory committees along with required powers. ii. committees formulate the working procedures and implement with the help of faculty members. iii. HOD Level: The HOD of a department is the overall in-charge of functioning of the academic system, monitors faculty lectures, designs corrective measures whenever and wherever necessary. HOD conducts meetings with the faculty before commencement of the semester, in which resource allocations are made and class in charges are identified. HOD periodically collects feedback from students and these feedbacks are considered at the time of subject allocation to next semester. iv. Faculty Level: Faculty members use various innovative methods for teaching. Faculty members are encouraged to upgrade their subject knowledge through NPTEL and other similar courses.

Faculty members collaborate with reputed companies to arrange industrial visits. Senior faculty members are appointed as coordinators or convenors for organizing seminars/ workshops/ conferences/ FDPs. Senior faculty members act as mentors to junior faculty. B) Participative Management: The institution promotes a culture of participative management by involving the staff and students at various levels in academic and non-academic activities. Staff members in various committees of the college conduct a variety of projects which are aimed at developing the leadership skills. i). Strategic Level: The Principal, Dean Academics, Heads of the Departments, selected faculty members are involved in defining the institutional policies and procedures pertaining to admissions, training placement, anti ragging, discipline, grievance counseling and library services, and in effectively implementing the same. ii). Operational Level: On behalf of the institution, Principal interaction corresponds with AICTE, JNTUH, Govt. of Telangana, and UGC. The Principal and the member secretary of Governing Body suggests and implements the policies and directions. He / she also monitors introduction of add-on courses, extra-curricular activities, and procurement of equipments. iii). Functional Level: At the functional level, Staff members are involved in deciding the academic activities such as lesson plan, internal examinations and practice tests. Students are also participating in sharing the knowledge by discussing the latest trends in technology during faculty meetings. Faculty members also write research papers. Faculty members are involved in the preparation of annual budget for the institute. They frequently discuss, share their opinion, plan for the future and assist in forming of various student committees to organize events.

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 each):

Strategy Type	Details
Admission of Students	70 sanction intake is Convener seats and 30 are Management Seats. Admissions for A- Category seats are conducted by Convener and the rules of reservation for admission in professional colleges in Telangana. B - Category seats are filled by the Management of the college following the guidelines stipulated by TSCH. JBREC offers merit and means scholarship to the deserving students. Financial assistance is provided to the students apart from fee reimbursement hostel facilities for different social categories of students. It is based on caste composition, Wards background and parents and Student performance -not being below certain level.
Human Resource Management	<ul style="list-style-type: none"> • Duty leaves to staff members to attend various Training Programmes/ Orientation/ Refresher/ Workshop/Seminars subject to the existing Government rules. • All the employees Teaching and non-teaching staff members are covered under Employee Provident Fund Scheme. • Grant of 7 days paid leave on marriage to the teaching and non-teaching staff members. • Maternity Leave scheme for both teaching and non-teaching staff.

	<ul style="list-style-type: none"> • Free medical check-up facilities are available to teaching and non-teaching staff members. • Transport facilities are provided with nominal cost to all the teaching and non-teaching staff members.
Examination and Evaluation	<p>As an affiliated institution of JNTUH, the evaluation process of the university are followed. The university has adopted the reform in evaluation by introducing Credit based grading system from the academic year 2018-19 and the institute has adopted the same. The college has adopted a method of assessing the performance of the students continuously in theory and practical subjects. As part of the internal assessment of projects, projects are done in III-IV years, the college follows the following framework. Project Review Committee of each department is consisting of HoD, In-charge, and two senior faculty members to identify the projects.</p>
Curriculum Development	<p>JBREC is affiliated to JNTUH, Hyderabad. JBREC follows the regulations and curriculum of affiliating university JNTUH. It is a student-centric approach to learning or acquiring knowledge in education. The academic calendar issued by the affiliating university forms the basis for designing the college academic calendar. College implements Outcome Based Education (OBE). Teaching Learning is made student centric. Faculty and students has got the access to NPTEL, IUCEE, MIT, IETE video lectures for effective teaching learning practices. The college organizes workshops, and guest lecturers to encourage industry-student interface among students and faculty members on a regular basis.</p>
Teaching and Learning	<ul style="list-style-type: none"> • Teaching aids like LCD, ICT, e-resources for Teaching Learning Management System (LMS) were utilized and provided MOOC courses by IIT Bombay X, IIT Kharagpur, NPTEL, NPTEL Tutorials and over 80 faculty members were qualified in MOOC courses. • Initiated CO-PO attainment for all programs. Students are mentored (1:12) by interactive sessions outside the regular classroom / laboratory contact hours. • An emphasis was given to slow learners. • Implemented Life Time Learning Technical skills along with departmental specific courses and mandatory courses under Add-on/ Value Added Courses in various branches of engineering and MBA.
Research and Development	<p>JBREC has established Research and Development Cell which supports establishment and transfer of knowledge by organizing technical workshops, seminars, training programs, National Conferences, technical presentations by faculty members and students. The cell also encourages and motivates faculty and students towards publications in National/International journals and encouraging participating in research workshops, conferences in other colleges. In addition to the Research and Development cell we have "Bhaskar Research Innovation and Start-up Council" (BRIISC) which is offering support in translating their ideas into trade. Consultancy on model projects is provided by private Industries.</p>

Library, ICT and Physical Infrastructure / Instrumentation	Institute has a well-defined system for maintenance and utilization of Physical, academic, and support facilities. These facilities are maintained by the Campus Administrator and his staff. The Institute has 100 ICT-enabled classrooms seminar halls, smart classrooms as per the latest trends. The campus has a digital library with a free internet facility. It enables remote accessing facility for students and faculty. Along with regular services maintains a Book Bank facility to help needy students belonging to economically and socially weaker sections of the society.
Industry Interaction / Collaboration	The College has a vibrant ecosystem for bringing innovation and promoting entrepreneurial ability among the students. The College established Institution's Innovation Cell, MSME Incubator, "Bhaskar Research Innovation Incubation Society", Council (BRIISC)", RD Cell and EDC Cell. MoE's 'Institution's Innovation Cell' promotes innovation in the institution through various modes in the campuses and developing the cognitive ability of the students. We are following and organizing various activities available in MoE's website for the benefit of students and faculty and received an appreciation from 'Institution's Innovation Council' by being awarded "A" rating for the year 2019-20
Admission of Students	70 sanction intake is Convener seats and 30 are Management Seats. Admissions for Category - A seats are conducted by Convener and the rules of reservation for admission in professional colleges in Telangana. B- Category seats are conducted by the Management of the college following the guidelines stipulated by TSCHE. JBREC offers merit and means scholarship to the deserving students. Financial assistance is provided to the students apart from fee reimbursement hostel facilities for different social categories of students. It is based on caste composition, Wards background and parents and Student performance -not being below certain level.

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

E-governance area	Details
Student Admission and Support	vmedu
Administration	vmedu
Finance and Accounts	vmedu
Examination	vmedu

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

2019	Dr.T.Prabakaran	NPTEL - AICTE Faculty Development Programme on Problem Solving Through Programming in C	NPTEL Online certification
2019	Mr.M.Ravi Kumar	NPTEL - AICTE Faculty Development Programme on Python for Data Science	NPTEL Online certification

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6.3.2 - Number of professional development / administrative training programmes organized by the 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)
2019	IIT Bombay Spoken Tutorial -Arduino	NIL	16/03/2020	30/06/2020	66
2019	31-03-2020 to 30-06-2020	NIL	31/03/2020	30/06/2020	86

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6.3.3 - No. of teachers attending professional development programmes, viz., Orientation Program 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
Python Programming	1	11/05/2020	16/05/20

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6.3.4 - Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full
122	122	57	5

6.3.5 - Welfare schemes for

Teaching	Non-teaching	Student
METARNITY LEAVE, EPF, MEDICAL FACILITIES, INCENTIVES FOR RESEARCH WORK	METARNITY LEAVE, EPF, MEDICAL FACILITIES	GROUP INSURANCE, MEDICAL FACILITIES

6.4 - Financial Management and Resource Mobilization

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

Response: The college has the mechanism of both internal and external financial audits.

for all the financial activities carried out in the Institution ever Accounts department headed by Accountant maintains financial accounts prepares all financial statements. Internal Audit: The Principal const Internal Audit Committee with three members. The audit is conducted : check the correctness of the financial transactions of the Instituti Committee verifies Cashbook, Bank accounts, Ledgers, Bills, Voucher statement of cash position and cash flow physically and conducts aud: the heads of various accounts, balance dates, and postings. External i Venkateswara Rao and Associates Chartered Accounts Co., Himayathnagar, l carries external audit. The financial audit team visits the insti periodically to carry out the auditing. Once the annual external au conducted, and the reports are submitted to the management. The Fi Committee ratifies these reports. With all statutory obligations duly there were no major audit objections until the last audit. The last a done in the Year 2020. Audit of funds received from Government and Government research funding agencies and Consultancy is duly done as guidelines of the funding agencies as and when required and submi

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs
NIL	0

No file uploaded.

6.4.3 - Total corpus fund generated

000

6.5 - Internal Quality Assurance System

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

Audit Type	External		In
	Yes/No	Agency	
Academic	Yes	Audit by IQAC	Yes
Administrative	Yes	K. Venkateswara Rao and Associates Chartered Accounts Co., Himayathnagar, Hyderabad carries external audit	Yes

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

- To work for the welfare of the students and the institution.
- To n effective interaction between the institution and the parents and to touch of parental care for the students.
- To offer constructive sugg for the smooth and successful functioning of this college.
- To promot participation of the parents in the various programs of the college establish better liaison with the teachers. Mentoring System Parent Meeting is conducted twice in a semester There will be free interacti parents are invited to give suggestions and any queries they have n

clarified by the teachers. Follow-up will be carried out, in any case. The Parents Teachers Meeting (PTM) has been practiced as a result of initiative in collaboration with respective departments. At the initial it was quite unheard of to call parents for a meeting with the teacher college level, and it was probably the first of its kind ever. The result to the parents, their interest to know the condition of their children is apparent. The result of such meetings was apparent as the performance of students immediately improved with the joint efforts put together at an institutional level and at the home front and etc. The system followed. Each department, after the announcement of results of first mid exams of the semester organizes PTM. ii. The department will prepare the academic report for each student for the parents, against which the parent/guardian will give signature. iii. There will be free interaction where parents are invited to give suggestions and any queries they have may be clarified by the teacher. iv. Follow-up will be carried out, in any case needed. v. This has yielded a tremendous positive result that is evidenced in the excellent academic performance record of the institute.

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

SDP on Effective English Communication Skills
SDP on Microsoft Office
Lab Maintenance skills

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

Academic Audit through IQAC
2. Use and enrichment of ICT infrastructure
Online Student Feedback System
4. Synchronous and asynchronous instruction
Bridging Gap between Industry and Institute - Consultancy Project

6.5.5 - Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	
b) Participation in NIRF	
c) ISO certification	
d) NBA or any other quality audit	

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	FDP IIT Bombay Spoken Tutorials:	Nil	Nil	Nil	

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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 in a year)

Title of the programme	Period from	Period To

Induction Program	03/08/2019	13/08/2019
Effective English Communication Skills	26/09/2019	26/09/2019
Bathukamma	04/10/2019	04/10/2019
Sankranthi Celebrations (For Girls Students and Ladies Staff) i. Rangoli Competition ii. Posture presentation iii. Motivational speech.	09/01/2020	09/01/2020
Group Discussion on account of National Girl Child Day	24/01/2020	24/01/2020
Self Defense Programme	03/02/2020	03/03/2020
Awareness Program on violence against women	17/02/2020	17/02/2020
Women's Day Celebration i. Poster presentation ii. Code War iii. Speech iv. Singing v. Dance	06/03/2020	06/03/2020

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

Percentage of power requirement of the University met by the renewable energy source
10

7.1.3 - Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Provision for lift	Yes	Nil
Ramp/Rails	Yes	Nil
Braille Software/facilities	No	Nil
Rest Rooms	Yes	Nil
Scribes for examination	Yes	Nil
Special skill development for differently abled students	No	Nil
Any other similar facility	No	Nil

7.1.4 - Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed
2019	2	2	12/08/2019	4	Plantation Programme	Importance of Plantation
2019	2	2	31/10/2019	1	CLEAN AND GREEN	HEALTH IS WEALTH

					PROGRAMME	
2019	4	1	30/08/2019	1	Clay Ganesh Preparation Bucket Ganesh Nimarjan	Bio degradable
2020	3	2	29/01/2020	5	Road Safety Awareness Rally	Accident preventive steps

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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)
Handbook on Code of Ethics	15/07/2019	Joginpally BR Engineering College (JBREC) has got a code of conduct for the staff as well as students. Along with the general code of conduct prescribed by the State Regulatory Authorities, the Institute has certain internal requirements. JBREC students assume an obligation towards themselves in a manner compatible with the Institute norms. Every individual is held responsible for their actions. Every student in the Institute is expected to be involved only in activities that are likely to maintain the prestige of the Institute.

7.1.6 - Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
National Youth Day	12/01/2020	12/01/2020	50
AIDS Day	01/12/2019	01/12/2019	75
National Voters Day	25/01/2020	25/01/2020	50

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

1. Rain water harvesting facility available in the campus 2. Promote paperless office by using Whatsapp and email effectively 3. Organize awareness on Eco friendly Ganesha 4. The Institution initiated to make the campus by providing solar panels, solar lighting system for the entire campus including the buildings. 5. Tree plantation improved the greenery of the institution 6.Environmental ,Energy and Green auditing by the agency 7.Polythene bags banded in the campus

7.2 - Best Practices

7.2.1 - Describe at least two institutional best practices

BEST PRACTICE I Title of the Practice: Bridging the Gap between Industry and Institute Objectives: Memoranda of Understanding between the Institute and Industry

industries to bring the two sides emotionally and strategically closer. Students visiting industries to gain knowledge. Organizing Workshops, conferences and guest lecturers with joint participation of the faculty and industries. Professional consultancy by the faculty to industries. B.Tech Projects/dissertation work in industries under the joint guidance of faculty and experts from the industry. The Context With the advent of globalization and opening up of the Indian economy to the outside world, competition among industries has become stiff. The companies are introducing new technologies and engineering methodologies to solve their engineering problems. The institution has taken the initiative to interact with industries through the Industry Institute Interaction Committee that maintains professional relations with industries. Industrial visits are arranged for students and faculty members to gain practical exposure and keep abreast of their knowledge. To achieve academic excellence, students are encouraged to interact with industries and research organizations through Seminars, industrial visits, sponsored projects, training programs, internships, consultancy etc. Industry professionals are regularly invited to share their knowledge with the students. It opens up a fresh avenue for enthusiastic minds and faculty members to develop skills across diverse areas, including managerial skills, social responsibilities and Industrialization. To strengthen the Institution Interaction with Industry, the institution is a member of reputed Industry professional bodies. The institution interacts with some industries which provide numerous interventions, architectural solutions, recommendations and training to academia throughout the year. JBREC fosters faculty development programs, student development programs and inter-institutional linkages. The industrialization program is aimed at developing Mutual Relationships with industries to create and strengthen mutually beneficial relationships between Institution and Industry. Evidence of Success The success of this practice is connected new curriculum development, faculty development programs, developing better teaching practices, building industry partnerships, internship, having industry expert ecosystem with strong backup from members of engineering colleges. This consistent ecosystem should provide new insights and latest happenings in a motivating and thought provoking manner. Practice-II Title of the Practice Learner-Centric Pedagogy is integrated to achieve the achievement of graduate attributes. Objectives of the Practice Develop a learning environment that is centered around the learner. To train the faculty on pedagogical teaching and learning. Development of knowledge and process skills through course-based projects. To impart the importance of ICT tools in teaching. To educate the faculty on new innovations and applications of teaching through ITW. Each student must achieve Graduate Attributes. To promote outcome-based education in teaching and learning. The Context The institution is able to meet the needs of such diversity by combining several pedagogical learner-centric methods. The Practice At all levels, employees are inculcated and imbued with The Seven Habits of Highly Successful People. Intrinsic motivation is encouraged. Using Learning by Doing and Thinking. Share in addition to Process-Oriented Guided Inquiry Learning can lead to more cooperative learning experience. To enhance the LSRW skills (Listening, Speaking, Reading and Writing). These training sessions are conducted with the objective to improve the comprehension skills of faculties. Two training sessions are provided for each batch to ensure that every faculty gets the attention, thus making sure that there is maximum participation. Faculties are g

tasks and activities thus encouraging participative learning. A platform for modelling and developing projects is provided by Course-Based Projects and student establish goals using Career Vision Approach. Learning activities take place outside of conventional classrooms with blended learning and Evidence of Success. The outcome of this practice is connected beyond curriculum development, faculty development programs, developing better teaching practices, building industry partners for internship, having industry ecosystem with strong backup from management of engineering colleges. A consistent ecosystem should provide new thoughts and latest happenings in a motivating and thought-provoking manner. Methodologies of ICT education are being adapted. JBREC adapted Outcome-Based Education to enhance the student performance. Bringing the team spirit, social responsibility and leadership ability to a higher level is the purpose of the interactive learning. The combined effort and commitment of the institution and faculties, the institution has achieved very good response. This has led to the improvement in the quality of Teaching. Problems Encountered and Resources Required in the classroom deliverables can be challenging since learning styles and preferences varies across student fraternities.

Upload details of two best practices successfully implemented by the institution as per NAAC criteria. If your institution website, provide the link

<https://jbrec.edu.in/best-practices-2/>

7.3 - Institutional Distinctiveness

7.3.1 - Provide the details of the performance of the institution in one area distinctive to its vision, thrust in not more than 500 words

1. The Vision, Mission and Quality Policy of the Institution are all oriented towards the holistic development of the student, which is evident from the admissions. JBREC's focus has been to impart quality education coupled with the overall development of the students. To achieve this, the Institution encourages students to participate in various activities: Chief Minister's Covid - 19 Relief Fund: As the world struggles with the current global health crisis, the Government of India has declared Covid-19 to be a "not a disaster". The Government both at the Central and state level have announced several relief measures to support the citizens in the current testing period. The financial burden to manage the current health crisis is huge and Indian State Governments have either setup dedicated relief funds to accept donations for Covid- 19 or are accepting donations in the existing Chief Ministers Relief fund from both corporates and individuals. J. B. Group of Educational Institutions, with the support of its staff and faculty members, contributed Rs. 30 lakh to the Chief Minister's Relief Fund (CMRF) and cheques were handed over to IT Minister Mr. K.T. Rama Rao by Mr. J.V. Rao, Secretary of J.B. Educational Society and Mr. J. Vamshidhar Rao, Secretary of Joginpally B.R. Educational Society. Earlier, the group donated Rs. 5 lakh to the CMRF and Rs. 5 lakh to the PM-CARES Fund. Donating Rs. 50 lakh to CM Covid-19 Relief Fund and PM Covid-19 Relief Fund by J B Group of Educational Societies Management Mr. J. Vamshidhar Rao and Mr. J. Venkata Krishna. Providing Insurance to all students: 2. The Institution provides Insurance to all students. Student Safety Insurance policies are offered to students and can be availed by educational institutions such as schools, colleges, etc.

benefit of their students' parents. This policy is issued under the name of the educational institution and the claim is paid out to the guardian or parent of an affected student. Once the institution purchases a Student Safety Insurance, all the students in the institution will be covered. 3. IEEE Xplore Digital Library: Our faculty members and students are effectively utilizing IEEE Digital Library for their learning. Also, journal articles, conference proceedings help to engage in research activities. 4. CISCO Networking To be in sync with the exponential demand for skilled engineers, CISCO started collaborating with the finest of the fine Engineering colleges. JBREC CISCO Academy is an offshoot of CISCO's pursuit of knowledge-sharing partners. JBREC associated with Cisco in the year 2018, to empower students with problem-solving skills and transformative technologies. JBREC's academy with the constant support of Management has flourished in progress terms of aggressive training and crusading to up skill the student on international standards. JBREC CISCO Academy is committed to continuing the legacy of quality, inspiration and widening the horizons of thinking. 5. NPTEL: Our faculty members and students are getting registered with NPTEL available in SWAYAM-NPTEL.

Provide the weblink of the institution

<https://jbrec.edu.in/wp-content/uploads/2021/09/Institutional-Distinctiveness.pdf>

8.Future Plans of Actions for Next Academic Year

JBREC has been initiating and implementing various activities to assure and improve quality in the different aspects of academics, co-curricular and extracurricular activities, and faculty development. In next academic year, we are planning for 1) Keeping the importance of online teaching in the forefront, the IQAC is decided to make available the e-Content useful to the students by improving facilities of e-Content development. 2) Firm up collaborations to bridge the gap between academia and industry. 3) JBREC to focus on interaction with industry with the involvement of every faculty member and student as well. 4) More focus through interaction with industry will motivate students for industry-sponsored projects, for industrial internships. 5) Digitization of library Major activities in the library is digitized. JBREC has planned to implement Radio Frequency Identification (RFID) and patent traffic counter system to enhance the smooth functioning of the library. 6) RFID enabled attendance system Identity Card for students. 7) External Audit by affiliating university. 8) Intensive training for preparing students for competitive examinations. 9) Organizing National level Conferences and Presentations project competitions for students. 10) Organizing various short term courses, workshops, seminars from experts under various Departments by faculty members. 11) Upgrading the Quality of Guest lecturers on current and Emerging Trends, to prepare our Students as Entrepreneurs and Professionals for the Global Market. 12) Improving placement ratio with the help of industry. 13) Continue to work as Nodal Centre for NPTEL and spoken tutorials 14) Resolved to go for NBA Accreditation. 15) Aiming for more GATE ranks for the college in all Departments 16) Organize more community service activities to contribute to the wellness of society.