



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	MGM'S JAWAHARLAL NEHRU ENGINEERING COLLEGE
Name of the head of the Institution	Dr. Harirang H. Shinde
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02402481433
Mobile no.	9657715342
Registered Email	principal@jnec.ac.in
Alternate Email	jnec@jnec.ac.in
Address	MGM Campus, N-6, CIDCO
City/Town	Aurangabad
State/UT	Maharashtra
Pincode	431003

2. Institutional Status																			
Affiliated / Constituent			Affiliated																
Type of Institution			Co-education																
Location			Urban																
Financial Status			private																
Name of the IQAC co-ordinator/Director			Dr. Sonal S. Deshmukh																
Phone no/Alternate Phone no.			02402482893																
Mobile no.			8275247705																
Registered Email			iqac@jnec.ac.in																
Alternate Email			sonaldeshmukh@jnec.ac.in																
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)			https://www.jnec.org/aqar2018_19.php																
4. Whether Academic Calendar prepared during the year			Yes																
if yes,whether it is uploaded in the institutional website: Weblink :			https://www.jnec.org/iqac_academic_calendar.php																
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.25</td> <td>2017</td> <td>27-Nov-2017</td> <td>26-Nov-2022</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.25	2017	27-Nov-2017	26-Nov-2022
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.25	2017	27-Nov-2017	26-Nov-2022														
6. Date of Establishment of IQAC			08-Jul-2016																
7. Internal Quality Assurance System																			
<table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date & Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </thead> <tbody> <tr> <td>ISO Internal and External audit was done</td> <td>27-Feb-2020 15</td> <td>10</td> </tr> </tbody> </table>						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	ISO Internal and External audit was done	27-Feb-2020 15	10					
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																	
ISO Internal and External audit was done	27-Feb-2020 15	10																	

Institute participated in NRIF	12-Jun-2019 10	10
Organized TedX ted talk event	05-Oct-2019 1	100
AQAR 18-29 was submitted online within specified duration.	15-Mar-2020 1	10
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
Nil	NIL	NIL	2020 0	0
No Files Uploaded !!!				

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 :

1

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 Blooms Taxonomy • Ankur 2.1 Project exhibition under Engineering Exploration Lab • Formation of Mathematics club • Bridge course of mathematics for diploma students is designed and started in 201920 Part I.

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
Academic Audit of IQAC	Audit done for 201819 part II on 8/07/2019
Internal Administrative Audit (Office)	Conducted on 23/07/2019 by IQAC coordinator
Training to non teaching staff	Three days workshop on "Universal Human Values" by Mr. Umesh Jadhav Conducted for non teaching staff on 22/09/2019 - 24/09/2019
Training to teaching faculty	Session on "NBA Criteria III" for teaching faculty by A.G.Thakur on 27/09/2019
ISO Academic Audit of the department	Internal ISO audit conducted on 16-21 /09/2020 and 27/02/2020
Guest lecture on Women's development	Guest lecture on " Importance of Physiophtherapy and its Awareness in working Women for Teaching and Non teaching Ladies staff by Dr. Sheetal Swamyon on 28/11/2019.
No Files Uploaded !!!	

14. Whether AQAR was placed before statutory body ?	Yes
--	-----

Name of Statutory Body	Meeting Date
Governing Body	26-Mar-2021

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	31-Jan-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)	Institute has management information system which gives easy access of information. Entrepreneurship Recourse Planning (ERP) (WordPro, Nagpur) software is in use which has different modules like Employee portal, student portal, Internal assessment, online leave, time table, academic monitoring,

feedback etc. This software is effectively used by the students, teaching and non teaching staff. This software also work for admission process in which activities like student information, division allocation, roll number and ID card generation are done. Faculty can upload their notes, PPTs, EBooks etc. on student portal. Separate login is provided to parents to access student's attendance. Tally software is used to maintain all accounts related records. Student Admission and Management System software is used for fees records. Library Management Software (Qualsoft, Aurangabad) is used to maintain all books records. It has different modules like Masters, Library Information, Barcode Sticker for Books Students Library card, Students Information, Employee Information, OPAC Facility etc. OPAC module is used to search which helps students for easy access of required books. All transactions like books issue, return etc. is done by the software. Library has also a collection of eBooks like Springer EBooks and e journals like Gale Cengage and Delnet. College has registered on National Digital Library of Indian as Institutional Registration 3418 Students registered on this portal. Every year books are added and its information is stored in the software. Document Management System is also available in the Institute which stores all scanned documents of students as well as office correspondence. It has record of documents since the establishment of the Institute.

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

Curriculum Framing: The curriculum is designed in a joint meeting, presided over by the Chairman, Board of Studies of the University. This joint meeting is attended by concerned faculty of respective discipline / specialization, where the contents are proposed, presented, discussed and approved, for each of the subjects to be taken up during the academic year. Post this meeting, the syllabus for the ensuing Academic year is finalized and applied to every institution affiliated to the university. Academic calendar: All the Departments prepares the academic calendar in line with the given guidelines to

ensure that each subject in every programme gets 40 hours of Instructions for the course delivery, subsequently it is applied at Institution and University level. The planning of the curriculum is done, as per the syllabus recommended by the University, before the commencement of the semester, for 40 hours of course delivery. This course delivery plan is entered into the In-House ERP database. Curriculum monitoring: There are two perspectives to curriculum monitoring (i) administrative, and (ii) students perspective. Administrative perspective to curriculum monitoring: After each class session is delivered, a corresponding entry is made in the ERP, along the attendance. The percentage of syllabus covered can be monitored by the Head of the Department from time to time. Each class is divided into three to four groups, wherein each group is assigned a teacher-cum-guardian. The teacher-cum-guardian is responsible for interacting with the students regarding the quality of delivery of content, in addition to other issues like infrastructure, facilities, discipline etc. Further, a class teacher is assigned to each class, to keep a record of the attendance. Subjects with lesser attendance are specially given attention, either through personal counselling by the HOD, or the teacher-cum-guardians. Students' perspective to curriculum monitoring: Each class is assigned a class representative. This initiative, in addition to honing the academic skills of an individual, allows the student to develop leadership qualities. The class representatives regularly meet the Head of the Department, both formally and informally, for suggestions and updates regarding curriculum delivery and quality enhancements. Addressing the gaps in curriculum: The purpose of the Engineering programme, being followed in the Department, is to provide industry-ready and employable students. Therefore, a strong need is felt to update the curriculum on a regular basis. The gaps in the curriculum are identified by the subject teacher, and correspondingly addressed through lectures / talks / demonstrations / laboratory visits / site visits. The gaps in the curriculum are also discussed on a regular basis with the alumni, industry experts and academia. Based on the feedback received, an improvisation of the syllabus is suggested to the University. Documentation of the curriculum planning, delivery, implementation and curriculum gaps: The planning, delivery and implementation are documented through the ERP. The record of curricular gaps, and the initiatives to address them are maintained through the various institute level ISO forms. The documentation is verified and checked by an institute level academic audit team, headed by the Dean, Academics.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
NIL	NIL	Nil	0	NIL	NIL

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	NA	Nil
No file uploaded.		

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
BTech	Mechanical Engineering	01/07/2019
BTech	Civil Engineering	01/07/2019

BTech	Information technology	01/07/2019
BTech	Chemical Engineering	01/07/2019
BTech	Computer Science and Engineering	01/07/2019
BTech	Electronics and Telecommunications	01/07/2019
BTech	Electrical, Electronics and Power	01/07/2019
BArch	Architecture	01/07/2019
Mtech	Manufacturing Engineering	01/07/2019
Mtech	Structural Engineering	01/07/2019
Mtech	Computer Science Engineering	01/07/2019
Mtech	Electronics Engineering	01/07/2019
Mtech	Electrical Power System	01/07/2019
MArch	General	01/07/2019
MArch	Environmental	01/07/2019
MCA	Computer Applications	01/07/2019

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

	Certificate	Diploma Course
Number of Students	50	1

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
Industrial Automation	13/11/2019	3
10 Webinars Series	12/05/2020	529
No file uploaded.		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Information Technology	214
BTech	Computer Science and Engineering	421
BTech	Electronics and telecommunication	396
BTech	Electronic Engineering	184
BTech	Mechanical Engineering	397
BTech	Chemical Engineering	90
BTech	Civil Engineering	240
MCA	Computer Application	47
BArch	Architechture	37

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

Institute considers feedbacks from all stakeholders as an essential component to improve the performance and effectiveness of the institution. The college has instituted an online students' feedback to obtain feedback on teaching, coursework and various academic activities. Students' performance in all courses in the curriculum is extensively assessed to achieve the intended course outcomes. The course teachers frequently assess and document the learner achievement, modify instruction to improve learner attainment, participate in revision activities. Different types of feedback are as follows: A. Feedback on Curriculum: The institution collects the feedback on syllabus and courses from different stakeholders This involves data collection on the unfolding curricular materials in order to take decision on its efficacy or otherwise. The data is analyzed and discussed the departmental academic committee for possible incorporation in the curriculum. B. Feedback on Teaching-Learning Process: The college has adopted the following surveys as an important assessment tools for evaluating the overall performance and excellence in education. C. End Semester Students Survey: At the end of each semester, feedbacks are taken from students for individual courses with reference to teaching learning processes and for achieving the course outcomes. These feedbacks are used by the teachers to improve the modes of delivery and contents of specific instructional objectives. D. Graduate Exit Survey: Feedbacks are collected from the graduating students at the end of the final semester. The achievement of program outcomes and program specific outcomes are also taken as criteria in the feedback. The graduate exit survey helps to assess students' perception of how the course curriculum has advanced them toward achieving their goals. E. Alumni Survey: Alumni feedback is taken with reference to the achievement of program educational objectives. Alumni surveys are conducted during alumni meet as well as during any alumnus visit the college and further, college website invites alumni to provide feedback through online. F. Employer Survey: Students who have undergone vocational/summer training and internship in the industries, feedback is taken for the performance of students. Feedbacks are also taken from the concerned persons when they come to department for invited lecture or institution for campus recruitment in order to fulfil the professional requirements and industry expectations. G. Parents Survey: The primary purpose is to obtain information about guardians' satisfaction with a range of academic, co-academic experiences, performances during and after graduation. This opinion is very valuable for significant improvements to the content and delivery of graduate education. • Students submitted feedback (Twice in First Semester) online, on ERP and Google form feedback for second semester due to covid19. • It was analysed and submitted to authorities. • Teacher's feedback collected as per ISO procedure. • Employer, Alumni and parents feedback collected during industry academic meet and alumni meet. • Most of the feedbacks were positive

and appreciated growth of the department. • Also Corrective measures on feedback are implemented during the current semester.

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
Nill	NA	Nill	Nill	Nill
No file uploaded.				

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	700	45	127	20	14

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
150	97	5	24	7	4
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)

Teacher Guardian Scheme is implemented in the department wherein 20 Students are assigned to a faculty member who acts as their mentor for the entire programme duration. Mentor regularly interacts with the students, motivate them to participate in various Co-Curricular extracurricular activities and their suggestions were considered for further improvement. The teacher guardian acts as a mentor to students and offers them emotional and academic support along with motivation. Students are counselled by mentors, class teachers, subject faculties and HOD for improving their academic performance and attendance. He also counsels the students to solve difficulties encountered not only in college campus but in their personal lives too. Teacher guardian meetings are summarized by HOD at the end of the semester and necessary action is taken on the points discussed in the meeting. The students are free to contact the counselling service with a wide range of worries, including personal, home, depression, anxiety and loneliness. Department has a Class teacher scheme to keep track of every students activities and records of attendance, test results, project work and related information of students. He encourages the students to participate in co-curricular extracurricular activities. He takes the feedback from students at the mid and end of the term to improve academic performance.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3254	161	1:20

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
178	161	14	3	34

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 receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Sunilkumar B.Salvi	Assistant Professor	Global Teacher Role Model Award by MVLA Trust on 22nd Dec2019
2020	Dr.Arvind Chel,	Associate Professor	Appreciation for outstanding contribution, coordination and participation during Global Student Solar Ambassador Workshop
2019	Dr. Sharvari S.Tamane	Professor	Book Authorities Best Big data books of all time ("Big Data Analytics for Smart and Connected Cities")
2019	Dr. Vijaya B.Musande	Professor	Best HOD of the year by CSI Tech Next India 2019 on 28/09/2019.
2019	Dr. Sharvari S.Tamane	Professor	Best HOD of the year by CSI Tech Next India 2019 on 28/09/2019.
2019	Dr. Parminder Kaur	Assistant Professor	Best TPO of the year by CSI Tech Next India 2019 on 28/09/2019.
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 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
BArch	Arch	10th sem	20/10/2020	20/11/2020
BTech	chem	8th sem	23/10/2020	15/12/2020
BTech	ETC	8th sem	23/10/2020	15/12/2020

BTech	EEP	8th sem	23/10/2020	15/12/2020
BTech	IT	8th sem	23/10/2020	15/12/2020
BTech	computer	8th sem	23/10/2020	15/12/2020
BTech	mech	8th sem	23/10/2020	15/12/2020
BTech	civil	8th sem	23/10/2020	15/12/2020
MCA	MCA	6th sem	18/10/2020	04/11/2020
No file uploaded.				

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

The College has freedom to decide the internal assessment pattern i.e. Term Work evaluation and the pattern of class test papers for the courses in Dr. BAM University. However some guidelines are provided by Dr. BAT University. Mid semester, End semester and Remedial exams are introduced by this university. Also for internal marks, students have given assignments, case studies etc. so that evaluation is done properly. College has introduced Rubrics evaluation process and developed its own evaluation pattern. Mapping of Cos and POs are also done for each subjects. Continuous evaluation is done for every student in all practical sessions. For internal evaluation, additional class test is conducted for students who fail to secure minimum marks during Class Test-I and Class Test-II. Tutorials are introduced in class time tables for the subjects having very less result in the previous semester examination. Final year project monitoring is done at regular interval of time. Institute has implemented ERP (Enterprise Resource Planning) system for academic monitoring which helps in internal evaluation process.

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

Academic calendar is prepared by Dean Academics along with senior faculty under the guidance of Principal and Vice-Principal which is inline with the University Academic calendar. Start and end of Semester is followed according to Dr. BAMU Dr. BATU University. Calendar has all the required components for every term which gives guidelines to department to plan their teaching-learning process in an elaborate manner. The calendar of events of the Department includes the activities planned like guest lectures, industrial visit, workshops , Class Tests, CR Meet ,Attendance Record, Project monitoring, college events etc.. The staff members and students adhere to the calendar of events to meet the department's planned events. The monthly review is observed in college academic meeting.

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.jnec.org/po_pso.php

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
NA	MCA	MCA	16	14	87.50
NA	BArch	Architecture	35	34	97

NA	BTech	Chemical Engineering	22	21	95.45
NA	BTech	Information Technology	50	50	100
NA	BTech	Computer Science & Engineering	125	125	100
NA	BTech	Computer Science & Engineering	107	107	100
NA	BTech	Electrical Engineering	62	62	100
NA	BTech	Mechanical Engineering	126	126	100
NA	BTech	Civil Engineering	114	114	100
No file uploaded.					

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.jnec.org/studentsfeedback_2019-20.php

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
Any Other (Specify)	365	MGM JNEC	373000	373000
Students Research Projects (Other than compulsory by the University)	365	MGM JNEC	7000	7000
Industry sponsored Projects	365	GIZ	410000	410000
View File				

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
Innovation and Intellectual property by Saumya Patra Kalinga Legal Services	Industry Institute Interaction cell	27/04/2020

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
Participation Hacksagon 2020 National Level project Competition	JNEC Team	IIIT	25/02/2020	National Level project Competition
Participation Hackathon 2020 National Level project Competition	JNEC Team	Smart India Hackathon	20/01/2020	National Level project Competition
Elsevier Most Downloaded Research Paper by Author: Dr.Arvind Chel, Assoc. Prof., Dept.of Mechanical Engg., JNEC, MGMU, Aurangabad.	Dr. A. L.Chel	Elsevier	26/04/2020	Research
Honour Code Award	Dr. A. L.Chel	IIT Bombay	01/01/2020	Activity based learning Category of Workshop
Registered a Copyright on " Cloud Cluster Security Polici using Datacrpt based on Ontology"	Dr. Sharvari C.Tamane	Copyright Office, Government of India	25/01/2020	Copyright
Australian Innovation Patent granted on 24/06/2020	Dr. Kranti Zakde	Australian Government Patent office	24/06/2020	A non contact type Thermal Imaging System Patent No. 2020100878
National Level Mind Rain Design Idea Competition	Mr. Sanskar Wadekar (SY B.Arch	Mind Rain Dali House	31/12/2019	Design Idea Competition
Second Rank by AICTE Utkrisht Sansthan Vishwakarma Award 2020	Jawaharlal Nehru Engineering College	AICTE Utkrisht Sansthan Vishwakarma Award 2020	21/09/2020	How innovatively you are conducting classes for students of your institution during lockdown

period against
the spread of
Covid - 19
across India

[View File](#)

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
NIL	NIL	NIL	NIL	NIL	Nil
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
00	00	00

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

Name of the Department	Number of PhD's Awarded
Nil	Nil

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)
International	AS	4	3.12
International	CIVIL	6	5.89
International	MECH	4	3.15
International	MCA	5	5.24
International	CSE	7	3.12
International	ECT	6	3.33
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
IT	5
Mechanical Engg.	6
View File	

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
Dielectric and Emissive	Ashish B. Itollikar, A.S.	Materials Today: Proceedings, V	2020	1	0	Nil

Properties of Sorghum (Jowar) ,	Joshi, S.S. Deshpande, V.M. Arole, M.L. Kurta dikar,	Vegetation at C-Band Microwave Frequency,				
Evaluation of deep learning CNN model for land use land cover classification and crop identification using hyperspectral remote sensing images	Dr. Vijaya Musande	Journal of the Indian Society of Remote Sensing	2019	13	0	Nil
Evaluation of CNN model by comparing with convolutional autoencoder and deep neural network for crop classification on hyperspectral imagery	Dr. Vijaya Musande	Geocarto International	2020	2	0	Nil
'Multi-scale segmentation for detecting mass in mammograms using deep learning techniques'	Dr Deepa Deshpande	International Journal of Engineering Development and Research , ISSN: 2321-9939 , Volume 8, Issue 2, April 2020, pp. 395-401.	2020	1	0	Nil
Forecasting novel COVID-19	MS. S.S.Date	International Journal of	2020	2	0	Nil

confirmed cases in India using Machine Learning Methods		Computer Sciences and Engineering, Vol.8, Issue.6, pp.59-64, 2020.				
A survey on data mining for internet of things	P. T. Avhad	International journal of creative research thoughts	2020	1	0	Nil
Multiobjective optimization of MMAW process parameters for joining stainless steel 304 with mild steel by using response surface methodology	Dr.M S Kadam	Elsevier: Materials Today Proceedings, Vol 26, pp. 305-310 (https://doi.org/10.1016/j.matpr.2019.11.277)	2020	1	0	Nil
Optimization of machining parameters for dry machining using Cryogenic treated tungsten carbide cutters	Dr.R.R. Deshmukh, PG Dhoble, KR Jagtap	5th International Conference on Industrial Engineering, ICIE-2019, SVNIT Surat, Conference	2019	1	0	Nil
Computer Aided Fixture Design for Stool Welding on Welding Robot	Dr. V. S. Joshi	The International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2019	1	0	Nil
Application of Failure	Dr.Arvind L. Chel	International Journal of	2020	1	0	Nil

modes and effective analysis (FMEA) on two-wheeler braking system		Research and Analytical Reviews (IJRAR), 7(1): 588-594 (UGC Approved).				
---	--	--	--	--	--	--

[View File](#)

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
MICROWAVE-ASSISTED IONIC LIQUID CATALYZED ONE-POT SYNTHESIS OF HEXAHYDROQUINOLINE DERIVATIVES	Dr. Suryakant Sapkal	European Chemical Bulletin	2019	17	Nil	0
Processing of Sentinel-1 Synthetic Aperture Radar Satellite Data for Extraction of Backscattering Coefficient in Maharashtra Region, India	Dr. A. B. Itolikar	Our Heritage - UGC Care Listed, Multidisciplinary Journal for Research Publication	2020	3	Nil	0
Review article entitled "Review on Kinetic and Thermal Study of Oxidation and Degradation of Medicinal	Dr.L.D.Chavan	Journal for Research in Applied Science Engineering Technology (ISSN: 2321-9653) Volume 8 Issue IV Apr 2020	2020	2	Nil	0

Drug"						
Plant Leaf Damage Detection Based on Colour Texture using Deep Learning - ALEXNET	Dr. Vijaya Musande	International conference on Machine Learning Smart Computing (ICMISC-2020)	2020	6	Nill	0
Automatic detection of Riots using Deep Learning,	Dr S C Tamane	3rd Bien nial inter national conference on recent trends in image processing and pattern re cognition	2019	6	Nill	0
Optical Character Recognitio n of Marathi Script	S S Deshmukh A A Dudhgaon kar	Infokara Research	2020	2	Nill	0
Thermal Investigat ion of Disc Brake Fade during Long Braking	Dr.Arvind L. Chel	Internat ional Conference on Precision, Meso, Micro Nano Engineerin g, COPEN-11, IIT Indore Conference	2019	15	Nill	0
Reverse Logistics: Outline and Approach for Supply Chain Management	Dr D. R. Dolas and S. B. Pawar	Conference on Enginee ring Systems Design and Optimizati on (CESDO 2020) Vol 1, Issue 1 Page 45	2020	6	Nill	0
Intellig ent Energy Management	Prof. B T Deshmukh, Ms Anuja Giri	Internat ional Journal for Research	2020	4	Nill	0

		in Engineering Application Management (IJREAM) ISSN : 2454-9150 Vol-06, Issue-02, May 2020				
Review of LoRa WAN and its Application	Prof. S.A.Naveed	International Journal of Engineering Research and Technology (IJERT)	2020	4	Nill	0
View File						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	24	262	60	66
Presented papers	27	Nill	Nill	Nill
Resource persons	1	Nill	Nill	Nill
View File				

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
Blood Donation Camp	JNEC NSS Unit	8	200
Independence day parade on 15/08/2019 at MGM, Aurangabad.	JNEC NSS Unit	Nill	40
Dhadak Mohim Melghat, Amravati on 26/07/2019 to 04/08/2019	JNEC NSS Unit	4	25
NSS Bharari Event during 6/3/2020 – 8/3/2020	JNEC NSS Unit	10	100
Donation veterinary medicines through flood relief fund	JNEC NSS Unit	70	150

to Kolhapur and Sangli on 16/8/2019.			
Rose day celebration with nonteaching staff, and security guards of JNEC college on 7/2/2020.	JNEC NSS Unit	4	25
Street play for Importance of Blood Donation on 23/8/2019	JNEC NSS Unit	8	30
Eco-friendly Ganpati workshop on 24/8/2019	JNEC NSS Unit	3	100
Rakshabandhan at Orphans school on 15/8/2019	JNEC NSS Unit	3	50
Independence day celebration on 15.8.2019 at Navjeevan School, Chikalthana, Aurangabad	JNEC NSS Unit	3	80
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
Nil	Nil	Nil	Nil
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
Bhashamrut Program	JNEC	Bhashamrut Program on the occasion of International Mother Language Day to Promote and Preserve mother language and celebrate linguistic and cultural diversity of India on 22/02/2020	1	34

Donation of Face Shields	JNEC	Donation of Face Shields (10000) to frontline Corona workers	2	15
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
Nil	Nil	Nil	0
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/ industry /research lab with contact details	Duration From	Duration To	Participant
Guest Lecture	Energy Audit - Need of an hour	Mr.Narayan Korde Ass. Director Tevapharm India Pvt. Ltd. Mumbai	24/05/2020	24/05/2020	60
Guest Lecture	Post covid-19 development and career opportunities in the upstream oil gas industry	Mr. Kush Gakhar Research Engineer, Marathon Oil Corporation USA	13/05/2020	13/05/2020	55
Industrial Training	Internship	Kohinoor Enterprises, MIDC, Chikalthana W-43 Auarnagabad	23/12/2019	05/01/2020	23
Industrial Training	Internship	Nimra Products, Bal Bhakti Bhawan Aurangabad	25/12/2019	07/01/2020	37
Industrial Training	Faculty Industrial Training on Industrial Automation	Mr. Aniruddha Rathod-Hrishikesh Automation, Aurangabad	12/12/2019	23/12/2019	10

Industrial training	Faculty Industrial training on Ready engineer Workshop at pune	TATA Technology, Pune	20/08/2019	22/08/2019	3
Industrial Visit	Industrial Visit	Cowland Dairy Aurangabad	10/09/2019	10/09/2019	25
Industrial Visit	Industrial Visit	NRSC, Hyderabad	28/09/2019	28/09/2019	63
Panel Discussion	Panel Discussion	Following Points are discussed in Panel Discussion Skills Required in Industry-Mr. Alok Sinha, Attitude to solve problems is Engineering for Industry personnel. - Mr. Alok Sinha 3. Programming Language : logic development - Ms. Mamta Kasliwal	24/01/2020	24/01/2020	87
Project work	Sponsored Project	Bhabha Atomic Research Centre Mumbai	01/10/2019	31/07/2020	4
View File					

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
Geneka Technologies , Aurangabad	28/01/2020	Geneka Technologies specializes in providing Information Technology and Engineering solutions to	21

		organizations across the globe. Students will get internships in this software company	
Tech Mahindra	28/01/2020	Makers lab is the Research and Development wing of Tech Mahindra in which innovators are working on cutting edge technologies. Students will develop solutions using AI, Mobility, IOT, AR/VR. BI, etc.	43
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
81500000	36427475.7

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	Existing
Classrooms with Wi-Fi OR LAN	Existing
Others	Existing
View File	

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 partially)	Version	Year of automation
---------------------------	---	---------	--------------------

Library Management of Qualsoft Co.	Partially	1.0	2011
------------------------------------	-----------	-----	------

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	63986	22856416	3612	2293831	67598	25150247
Reference Books	9829	10649862	247	295988	10076	10945850
e-Books	21095	1992322	Nill	Nill	21095	1992322
Journals	123	361776	Nill	Nill	123	361776
e-Journals	2633	84960	Nill	Nill	2633	84960
Digital Database	Nill	Nill	Nill	Nill	Nill	Nill
CD & Video	2336	Nill	12	Nill	2348	Nill
Library Automation	Nill	Nill	Nill	Nill	Nill	Nill
Weeding (hard & soft)	8592	1167413	Nill	Nill	8592	1167413
Others(s pecify)	5555	866492	137	172962	5692	1039454
View File						

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
Ms.S.S.Magare and A A Dudhgaonkar	mgmjnecmca.gnomio.com	ICT Tool,Moodal Server	18/03/2020
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Co mputers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departme nts	Available Bandwid th (MBPS/ GBPS)	Others
Existin g	1257	0	0	202	0	20	1033	90	0
Added	230	0	0	0	0	6	224	210	0
Total	1487	0	0	202	0	26	1257	300	0

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

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
1. Hard Disk of NPTEL Video Lectures	http://192.168.206.205/
2. Membership of DELNET	http://164.100.247.30/
3. Library Website	https://library.jnec.org/
4. Institutional Reg. On NDLI	sakharamharkal@jnec.ac.in User id

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
45790000	7732980.46	38721000	32447953

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)

MGM trust has developed on campus an eco system of institutions avenues for curricular, co-curricular extracurricular development of students leading to harnessing of their latent talents creative pursuits. Sports club is equipped with necessary facilities which are made available to students such as: Outdoor Games: Cricket, Football, Volley Ball, Basket Ball, Khokho, Kabbaddi, Athletics, Lawn Tennis, and Swimming. Indoor Games: Gymnasium, Carom, Badminton, Table Tennis, Chess, Riffle Shooting, Fencing. In consonance with the norms, new infrastructure is developed. College enriches optimizes use of labs, class-rooms and seminar halls as per the time table. New lab like Engineering Exploration lab is developed to do interdisciplinary projects for the students. Computer and internet facility are provided to faculty and students. In context of COVID19 pandemic restrictions, college swiftly effectively delivered academic sessions through digital (online) platforms including usage of virtual labs online assessment of students' performance which was recognized awarded by AICTE. College also contributed in fight against COVID through in house design, development manufacturing of COVID face shields which were distributed free of any cost to front line Corona Warriors (health workers police personnel) and weaker sections in society in collaboration with District Civic Administration authorities. The teaching learning resources helpful for the students are uploaded on ERP based systems and students can access at any time as per their requirements. Teaching learning related videos of the faculty are available on you tube and on college portal. Staff and students are making use of LCD projectors, NPTEL videos for effective information sharing related to teaching learning. Students are encouraged to deliver the seminars, presentations using the modern teaching aids. Library ensures purchase of current/new titles after discussion with the advisory committee and then it is finalized with Principal. Books are made available to all departments. Library ensures use of books for students through book bank. Reference books, journals and other reading material are made available to them in the reading room. News papers are available. CCTV Cameras are installed in various points inside college campus and also in classrooms and labs for surveillance. Fire safety system is installed on entire campus .Fire extinguishers are provided in the labs. First aid box is available in

each department. Health care facilities are available at Mahatma Gandhi Mission Medical College and hospital established and run by the same trust. Concession is also provided in the hospital to faculty, non-teaching staff and students.

<https://www.jnec.org/index.php>

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	Financial support	62	2610654
Financial Support from Other Sources			
a) National	Nil	Nill	0
b) International	Nil	Nill	0
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
Technical and Aptitude Test Series	13/09/2019	20	EE department, JNEC
C workshop - Organized a C Workshop for second year IT students	15/07/2019	52	IT department, JNEC
Group Discussion Personal interview ("JAM" activity for final year IT students)	10/07/2019	55	IT department, JNEC
Mahindra Employability Training Program (Lecture Talk on "AI and ML" by Mr. Nikhil Malhotra, Global head, Makers Lab, Tech. Mahindra, Pune)	04/10/2019	282	CSE department, JNEC
Tech Mahindra Expert Team visit to JNEC and student interaction	03/01/2020	276	CSE department, JNEC
Spoken Tutorial Exam for 'Introduction to Computers' 'K-Turtle	04/09/2019	235	CSE department, JNEC

Workshop On AutoCAD and Revit Structure(04 days)	05/02/2020	20	Civil department, JNEC
2 days workshop on "IoT Challenge 2020"	12/11/2019	130	Mechanical department, JNEC
Ready Engineer Program	10/07/2019	50	Mechanical department, JNEC
IMTEX	22/01/2020	20	Mechanical department, JNEC
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	Students are trained at MGM-ICE at JNEC, Abad For UPSC and CDS for final year students	145	Nil	Nil	Nil
No file uploaded.					

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
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	Number of students placed
28 Companies Visited	2064	312	17 companies	71	25
View File					

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	Civil Engineering	Civil department	NICMAR, PUNE	PG in Advanced Construction Management
2020	1	Civil Engineering	Civil department	DIEMS Aurangabad	M.Tech (Structural Engineering)
2020	1	Mechanical Engineering	Mechanical department	C-DAC, Pune	Diploma in Advance Computing
2020	1	Electrical Engineering	Electrical department	VJTI Mumbai	M.Tech in Electrical engineering
2020	1	Electrical Engineering	Electrical department	MGM JNEC	M.Tech in Electrical Power Systems
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	10
CAT	1
Civil Services	9
Any Other	3
View File	

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

Activity	Level	Number of Participants
Holley Ball- Winner	MGM Olympics, Aurangabad	12
Basket Ball - Winner	MGM Olympics, Aurangabad	24
Foot Ball- Winner	MGM Olympics, Aurangabad	16
Kabbadi- Winner	MGM Olympics, Aurangabad	12
Badminton -Winner	MGM Olympics, Aurangabad	5
Throw Ball	MGM Olympics, Aurangabad	12
No file uploaded.		

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	Number of awards for	Student ID number	Name of the student
------	-------------------------	------------------------	----------------------	----------------------	-------------------	---------------------

			Sports	Cultural		
2019	Winner - 1500Meter Athletics at S.I.P Junnar	National	1	Nill	311108	Ghorpade Nikita
2019	Runnerup - Badminton (Boys) at K.T.M.Faiz pur	National	1	Nill	201226	Mohammed Salem
2019	Chess - Winner at K.T.M.Faiz pur	National	1	Nill	303204	Nikam Sayali
2019	Firodiya Karandak Pre - Primary round, prize for best actresses at Pune	National	Nill	1	304146	Gauri Joshi
2019	Firodiya Karandak Pre - Primary round, prize for best actresses At Pune	National	Nill	1	406209	Mrunal Kulkani
2019	Runner up in skit competitio n on the occasion of world mental health day at MGM Aurangabad	National	Nill	1	406209	Mrunal Kulkani
2019	Runner up for elocution competitio n on the occasion of Engineers day by the institute of	National	Nill	1	408116	Sameer Mirza Chem.Dept.

	engineers, Aurangabad					
2019	4th Rank in Classical singing co mpetition at Devgiri science college, Arangabad	National	Nill	1	209135	Pooja Sawale
2019	Internat ional Dance comp etition "Saptrang Internatio nal Festival of Internal Art and Culture 2020" / Soma Auditorium Malaysia - Winner on 19/01/2020	Internat ional	Nill	1	406214	Sanjyot Mahajan BE CSE)
2019	Cricket - Winner (Boys) MIT Aurangabad	National	1	Nill	204136	Gunjal Omkar
View File						

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

Student Council is an organization constituted by student. The objective of JNEC student Council is to provide leadership, and to serve the student body, institute and the community. Student council undertakes curricular or extracurricular activity for students within the institute. Student council helps, share students' ideas, interests, and concerns with teachers and Principal. They often also help in raising funds for the social causes, community projects and helping people in need. Positions in Student Council • Cultural Activity Coordinator - Mr.AkshayJadavMr.UmangJalali • Sports Activity Coordinator- Mr.ImaadA.QuadriAkshitaBhaskerMusande • NSS Coordinator - Mr.PavanSundarraoDeshmukh • Girls Representative - Ms.SejalRedasni • Boys Hostel Representative - Mr.Sarthak C. Khobragde • Principal Nominee - Mr.Abhijit Ramesh Shinde, Mr.SanketSayjirao Kale Ms.Pooja Sandeep Patil • Ladies Representative - Ms.ShraddhaDipakVidekar • HOD Nominee - From each Department • Faculty Advisor - Prof.SureshAnnadate (Dean Students' Affairs)

Roles and Responsibilities Cultural Secretary: 1. Conduct and chair weekly Student Council meetings. 2. Set agenda for Student Council meetings. 3. Supervises the council activities. 4. In coordination with Principal and faculty Advisor plans and executes student council activities. Sports Secretary: 1. Plans various sports activities throughout the year 2. Identifies

needs of the students, introduces a sport activity and facilitates it in coordination with Principal and faculty advisor. NSS Coordinator: 1. Motivates student to join NSS to carry out social, environmental activities. 2. Plans various camps, social drives and visits social activities like cleanliness, blood donation camps etc. Girls Representatives: 1. Provides support to girl students by providing opportunities in various events. Hostel Representatives (Boys and Girls): 1. Discusses hostel issues with principal, for a solution. Principal Nominee: 1. Facilitates in executing council activities. HOD Nominee: 1. Facilitates in executing departmental and council activities. Faculty Advisor: 1. As per the guidance from Principal, plans and motivates students for council activities. 2. Organizes meetings with student council 1 stakeholders, student's faculty and Principal for the smooth conduction of council Activities. JNEC alumnus Mr.Kailash Desai Managing Director Endress Hauser inaugurated the annual social gathering "Razzmatazz'20.Following activities were organized: Fusion, Drama, Department at a glance, Neon Night, MH Dhol, Mushaira, Character Day, Orphanage program, Fun Games, Color Day, JNEC Idol, Nazzrana, Dance, Personality Contest, etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

MGMU JNEC Alumni association is a registered alumni association. Registered organization in Aurangabad on 30th July 2004, according to 1860's act of organization.A strong and active JNEC alumni network works as a determining factor in shaping the performance trajectory of an institute. JNEC currently boasts of about 15,000 alumni. Many of them have reached positions of eminence in their selected fields of professions. They have reached perfection through excellence in their selected fields like industry, public sector, academics and research or as entrepreneurs. This Institute also involves Alumni in its academic activities wherever possible, by inviting them to participate on its advisory boards, as visiting faculty, chief guests or guest speakers. Our alumni too have responded whole heartedly by supporting the Institute.Name: "JNEC AURANGABAD Alumni Association" hereinafter referred to as Association.The Registered office: The registered office of the Association shall be located at the JNEC AURANGABAD (Maharashtra). Jurisdiction: The Association shall have jurisdiction all over the world wherever JNEC AURANGABAD Alumnireside. The Aims and Objectives: To promote and foster mutually beneficial interaction between the Alumni and the Alma Mater. (a) To encourage the Alumni to take abiding interest in the progress and development of the Alma Mater. (b) To generate a corpus at the JNEC AURANGABAD for creating better residential /educational/recreational facilities for the Institute Community. (c) To render assistance to students of the institute through grants, scholarships and prizes and to provide assistance in academics, placement or any other area as appropriate (d) To exchange professional knowledge by means of technical conferences, seminars, workshops training courses. (e) To offer expertise, effort and/ or financial resources to assist not-for-profit organizations dedicated to Indias development, and thereby contribute to the well-being of society. (f) To undertake activities of nation building including those of charitable nature. (g) To undertake all such lawful activities as are conducive to the attainment of the above objectives.

5.4.2 – No. of enrolled Alumni:

9

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

MGMU JNEC alumni association organized alumni meet ANUBANDH 2020 on 25 Jan 2020. Alumni association's general board meeting was held on 3rd July 2020

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 college believes in promoting a culture of empowerment through decentralized governance system. Top management and the Principal coordinated financial matters through proper delegation of authority responsibility to deans, concerned head of department. The Head of the Department decided the purchase and maintenance of equipment and consumables and delegated the responsibilities to the faculty members of the department. The HOD conducted meetings at departmental level decisions were taken after consultation with the faculty. The department decided timetable, subject allocation and responsibilities were distributed among faculty. The departments also organized workshops and guest lectures and necessary industrial visits, in-plant trainings, collaboration and work towards achieving excellence. Operational autonomy were provided to various committees of the college to manage academic, research and administrative affairs. New topics and courses for training were suggested in innovative manner by faculty. College promoted a culture of participative management by encouraging faculty, staff and students to contribute through participation at various levels. Governing body has been formed to decide policies take major decisions. Principal is the head of academic and administrative affairs. Principal conducted periodic meetings with Deans and HODs, planned the policies of Research and Development and Placements. All policy changes and academic activities were planned through a process of dialogue with faculty members. Institute level academic calendar was developed after planning of academic activities. Considering the institute level academic calendar, Head of the departments along with faculty members, planned academic and other activities and prepared department academic calendar.

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

Partial

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	Curriculum of Dr.BAM University, Aurangabad for third year, final year, fifth year(Architecture)and MCA(all) and Dr.BAT University, Lonere for FY, SY and MTech is followed. Curriculum is set by the University and as per University directions, faculty had been involved in syllabus framing. The process of curriculum development is based on (i) Regular and timely meetings with people from the alumni and other stakeholders (ii) visits to various faculty development programmes in institutes of repute, and (iii) identification of present university

level curricular gaps. Regular and timely meetings with alumni, industry and academia: The idea of curriculum development is to prepare industry ready students and therefore feedback on the curriculum from the well-established alumni, local companies / industry, etc. are taken. From time to time, lecture / talks / demonstration sessions / workshops are conducted by the alumni / industry people, so that the students are abreast of the knowledge currently required for being employable. Attending faculty development programmes: The institute supports the faculty for attending Faculty Development Programmes (FDP), at the institutes of repute for upgrading their knowledge, and thus contribute to the development of modern curriculum. Identification of curricular gaps: Attending the FDPs, and interaction with industry, academia and alumni help the Department in identifying the curricular gaps. The curricular gaps are covered through various lecture / talks / workshops / demonstrations etc.

Teaching and Learning

To learn new techniques in pedagogy, the faculty are nominated to attend quality improvement programmes, so that the pedagogical delivery to the student is effective. Apart from the chalk and duster method of learning, the faculty of the departments are encouraged to deliver their courses through the use of presentations, audio files and videos. For this, smart classrooms have been made available in the Department. Each of the smart classrooms is enabled with an internet connection, so as to enable the real-time download of material and playing of audio and video files. For slow learners remedial classes are conducted and for advanced learners special tasks are given to keep up their enthusiasm. Tutorial classes are made as part of the regular time-table for the subjects having less result in previous university examination.

Examination and Evaluation

Examination and evaluation is conducted as per Dr.BAMU and Dr.BATU. Students are evaluated through Comprehensive Continuous Credit based Assessment based on predefined evaluation rubric. Evaluation is done

through class tests, tutorials, student seminars/presentations keeps the students in touch with their subject. The Department follows the policy of outcome-based education. Therefore, for each subject, course outcomes are designed. The examination of the students is currently being conducted in line with the programme outcomes, programme specific outcomes and the Bloom's Taxonomy levels. Each of the question papers designed for examining the student has to at least follow the first four levels of Bloom's taxonomy i.e. knowledge, comprehension, application and analysis, in line with the course and programme outcomes.

Research and Development

Design and fabrication of Peddle operated Washing Machine. Submission of project entitled " Indo German partnership for nstitute has University recognized research centres for pursuing Doctoral. Higher education programme" to UGC. Submission of project entitled "Conformal cooling for plastic injection moulding. And micro injection moulding. Submission of project entitled "Micro injection moulding". A project entitled mechatronics manufacturing factory set up completed for IIRC. Manufacturing and Distribution of 10,000 face shields to protect corona virus. At the institute level, a Research and Development committee has been set up which is responsible for spreading awareness regarding publications, peer-reviewed and indexed journals, and intellectual property rights. In addition, the Research and Development Committee engages students in doing work, which involves out of the box thinking and can lead to startups and patents. Publishing in journals of repute (indexed in Thomson Reuters, and SCOPUS) is also encouraged by the institute. Engineering Exploration programme has been introduced in the campus at the college level, so as to spur an innovative environment for out of the box thinking and enable the creation of patentable products, or simple solutions to industry related problems. Research Projects are submitted to funding agencies like AICTE,UGC etc by the faculty. Research papers were presented at National and International seminars, conferences and

	research papers were published in Journals with impact factors.
Library, ICT and Physical Infrastructure / Instrumentation	<p>Institute provides access to the Central Library for the staff and the students. The central library has several books volumes and the number of the books are increased every year in order to cater to the students who are in need of good quality theoretical and reference books. There is also a provision for the book bank, from where needy students can issue books. The Institute is equipped with various labs, class rooms, seminar halls and Tutorial halls. Smart class rooms are also available for effective teaching and learning process. Institute has a sports club equipped with necessary facilities which are made available to students.</p>
Human Resource Management	<p>MGM's Jawaharlal Nehru Engineering College, Human Resource Department has a focus on development of the staff and has continuously taken efforts to show quality improvement strategies in the institution in the following ways: 1. New ERP system was adopted for attendance, and discipline regarding time and movement. 2. ERP training was provided to non teaching staff for using the leave module. 3. Appointment letters were upgraded with advice from advocate. 4. Cleanliness charts were put in the washrooms and housekeeping staff is instructed to get it updated daily 5. All covid -19 precautionary measures were put in place 6. Posters and digital ppt were put to make people aware of the precautionary measure of social distancing and hand wash etc. 7. E-mails were sent to all regarding precautionary measures of covid 19. 8. No Touch sanitizer dispensers were established at the entrance. 9. Use of temperature gun at the entrance gate 10. Use of oxymeter for all the admission enquiry candidates was mandatory.</p>
Industry Interaction / Collaboration	<p>Industry Interaction is done by the departments in following ways. Industry Projects: Live problems of MSME were solved by students under the aegis of GIZ MSME Innovation initiative. Industry Visits: Students were provided with opportunities to visit and experience the industry working environment. Visit to Exhibitions:</p>

Students are encouraged to visit various industrial exhibitions such as IMTEX at Bangalore or AM-Expo at Aurangabad to understand technology trends. Webinars: Industry experts were called for conduction webinar sessions for students on different technological topics. Conferences and Conclave: Students and Faculty members were provided with platforms to attend various conferences and conclaves wherein industry experts were guiding the attendees Students Projects The students prepare the projects reflecting the needs and problem of the industry. Institute faculty interacts with industry personnel for successful implementation of such projects. The projects they prepare also assist them in future regarding their profession. Training for the Students Professional training is an integral part of the study to acquaint the student's with actual practical problems. The students are placed at various industries under supervision and guidance of respective industry personnel. The faculty carries out monitoring and evaluation regularly. Industrial Visit Industry visits of the students with faculty members are organized to the relevant industries at various locations. It serves the objections of exposure to large scale practical applications of theoretical aspects for the students. Expert Lectures ? Institute organizes expert lectures series during seminars or at the department level in coordination with student organizations. Such lectures familiarize the students and the faculty with industry practices and correlation with the text book material taught

Admission of Students

The institute is a part of the centralized admission process of Directorate of Technical Education, Maharashtra. The admissions for 80 seats are completed through the Centralized Allotment Process (CAP) conducted by DTE. Special admission committee formed at institute level, works for enrolment of students for all courses as per the allotment list provided by DTE, Maharashtra. Institute has its own Help Desk and Facilitation Center to provide the guidelines about the admission matters to parents and

candidates. The 20 seats under institutional quota are strictly filled on the basis of admission criteria as laid down by the competent authority of Govt. of Maharashtra. Institutional website exhibits detailed information about the courses offered and its intake to help students in admission process.

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

E-governance area	Details
Planning and Development	Enterprise Resource Planning (ERP) software is used by all teaching, non teaching and students. Activities like course plan, attendance, upload notes and e-books, result, class test marks, profile of faculty, feedback of students are done through this software. All types of reports are generated which helps for the proper planning and development of the institute. Institute provided facility of college email to all faculty members. Official communication like notices, circulars, and messages are send through these email-id. WhatsApp groups are also formed by Principal and sectional heads for proper and fast communication.
Administration	Online leave system is used through ERP software for teaching and non teaching staff. Digital display board is used to display notices and circulars for students. Database of all students is maintained in the software.
Finance and Accounts	Tally software is used for accounting management system. It helps to maintain the financial records and brings transparency in the account section.
Student Admission and Support	Admission process is done centralized through Director of Technical Education, Mumbai. ERP software is used to record information of students. Library has software(Qualsoft) to help students to search books, use e resources like e books, journals etc. This software issue books and maintain all records of books.
Examination	Offline examination is conducted by the university. However online remedial exam is conducted by Dr. BAT university. Registration of all students is done through MKCL software used by Dr. BAM University. Hall tickets of students are generated

online by the MKCL software. Online paper assessment is also done using Dr. BAT University.

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
2019	C.G.Patil, P.T.Avhad, J D Pagare	Workshop on " Ethical Hacking	NA	2100
2019	Dr Nitin Phafat ,Dr D.R.Dolas	5th International Conference on Industrial Engineering (ICIE-2019) 61st National Convention of Indian Institution of Industrial Engineering SVNIT Surat	NA	4510
2019	Prof. S. B. Pawar	COPEN-11 at IIT Indore on 12th to 14th December 2019	NA	4750
2019	Prof. S. B. Pawar	Conference on Manufacturng Excellence by Confederation of Indian industries (CII) Marathwada Zonal Council at Aurangabad on 20th December 2019	NA	885
2019	Prof. S. B. Pawar	Industry Academia Conclave organised by Confederation of Indian industries (CII) at Pune on 19th December 2020	NA	4720
2020	Ms. Vijaya Ahire	Current research Avenues in	NA	1225

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	workshop on Blockchain Fundamentals	Nil	02/07/2019	04/07/2019	46	Nil
2019	One day workshop on Future Ready Engineer: Challenges and Opportunities by Dr. S.P.Honwad	Nil	16/11/2019	16/11/2019	76	Nil
2020	Training sessions Tech Mahindra	Nil	17/05/2020	30/05/2020	50	Nil
2020	Environmental Economics a Talk by Dr. Parthasarathy	Nil	02/12/2020	02/12/2020	10	Nil
2019	Nil	Workshop on "Training on ERP Leave Module"	30/11/2019	30/11/2019	Nil	31

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
One Week FDP on "Industrial	2	05/05/2020	10/05/2020	6

IoT's, Industry 4.0 Disruptive Technologies"				
FDP on Signal, Image Video Processing: A Practical Approach (SIVPAPA-2020)	2	26/05/2020	30/05/2020	5
Workshop on Incorporating Universal Human Values	12	10/04/2020	14/04/2020	5
FEP on Soft Skills by Learning Development (ETA), Infosys, Pune	2	16/01/2020	18/01/2020	3
Elearning Program- Capability Development on Industry 4.0	1	17/05/2020	17/05/2020	1
Basic Principles of Remote Sensing Technology	17	13/04/2020	25/04/2020	15
AICTE-NITTT-Module 3-Communication Skills, Modes Knowledge Dissemination	1	02/03/2020	27/04/2020	30
"Solving Large-scale Relationship-rich Data Problems using Graph Database systems, MGM Nanded	1	13/06/2020	13/06/2020	1
"One week FDP on Emerging Technologies: RHCSA AZURE", DIEMS, Aurangabad	3	26/06/2020	30/06/2020	5
Emerging Trends in Industry 4.0	2	18/05/2020	29/05/2020	11
No file uploaded.				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
103	58	93	35

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Group insurance, Concession in Medical facility, Concession in fees to wards of teaching faculty	Group insurance, Concession in Medical facility, Concession in fees to wards of non teaching faculty	Book bank facility, Group insurance, Concession in Medical facility and Earn and learn

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: Internal audit is done twice in a year by ISO. Institute has ISO 9001:2015 for Quality Management System and ISO 14001:2015 for Environmental System. A separate committee of ISO auditors is formed to do academic audit. Faculty members are the committee members and training is given to them. Different forms are designed in ISO and accordingly audit is done. In every semester one audit is done and duration is scheduled in advance in the academic calendar. Audit for all departments, Library, workshop and Placement office is done. Time is given to respective department to close Non Confirmative if any. A separate Academic Audit Committee is also formed to do audit regularly. **External Audit:** External audit is done by external members of ISO for quality management system. It is done once at the end of the year and accreditation is given for next academic year. All department documents are audited by the external member and suggestions for overall improvement are given to the Institute. Every time previous suggestions are checked by the auditor. Another external audit is also done by external expert person. External audit for environmental ISO is also done by environmental ISO auditor.

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
Nil	0	Nil
No file uploaded.		

6.4.3 – Total corpus fund generated

00

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	ISO	Yes	Internal Committee of ISO, Internal audit committee
Administrative	Yes	ISO	Yes	Internal Committee members of ISO,

				IQAC Coordinator
--	--	--	--	---------------------

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

Department organizes parents meet once in a year. In addition, parent meetings are conducted on need basis to communicate the progress of their wards. Parents can see theory and practical attendance record of their ward through JNEC ERP software

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

1. Workshop on "Training on ERP Leave Module" on 30/11/2019. 2. Three days workshop on "Universal Human Values" by Mr. Umesh jadhav on 22/09/2019 - 24/09/2019 3. Health Camp on Cardiac Risk Factor and Obesity Assessment" for non Teaching Staff on 15/10/2019. 4. Guest lecture on " Importance of Physiopharmacy and its Awareness in working Women for Teaching and Non teaching Ladies staff by Dr. Sheetal Swamy on 28/11/2019. 5. Arrange Tree Plantation Program at Shenda MIDC for all staff on 28/8/2019. 6. Faculty Gathering (Cultural program) On the occasion of 37th MGM Foundation Day on 18/12/2019.

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

1. Implementation of Blooms Taxonomy 2. Implementation of MSC software for Simulation Technology and training to faculty members. 3. Technical Event "Safe Track-19" in coordination with IRSC Aurangabad. 4. Poster Competition 2. Photography 3. Slogan 4. Quiz on 28th August 2019. 5. Participation in Mega Education Fair 'Career Conclave 2019' Kota Rajasthan on 22-23/11/2019. 6. "Ek Sur Ek Taal", Musical program of mass singing Bureau of outreach communication, Information Broadcasting Ministry, Gov. of India. on 1/10/2019. 7. Development of Makers Lab sponsored by Tech Mahindra Pune at CSE department on 3/01/2020.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
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	National level Zonal NASA Convention	14/09/2019	14/09/2019	17/09/2019	900
2019	Akur 2.1 Project exhibition under Engineering Exploration Lab	19/11/2019	19/11/2019	19/11/2019	311
2019	FE Induction program	08/08/2019	08/08/2019	24/08/2019	508
2020	Industry Academia	24/01/2020	24/01/2020	24/01/2020	100

	Connect Program				
2020	Alumni meet "Anubandh" and Industry Alumni connect program	25/01/2020	25/01/2020	25/01/2020	1734
View File					

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
Visit to INFANT INDIA, Beed and Sahara Anathalay Balgram, Georai	29/09/2019	29/09/2019	21	40

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
7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources JNEC college has roof top solar installation whose per day generation is around 1000 to 1200 units. The total generation till 30th June 2020 is around 680000 units. Certified with ISO 14001:2015 which specifies the requirements for an environmental management system that an organisation can use to enhance its environmental performance. Approximately 48 of power requirement of the college met by the renewable energy sources.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Braille Software/facilities	No	Nil
Rest Rooms	Yes	2
Scribes for examination	No	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	Number of participating students and staff
2019	1	1	01/07/2019	365	21 GIZ projects	Problems in Industries	87
View File							

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Mahatma Gandhi Mission Nanded, Standard Code	01/08/2019	The document provides the terms and conditions of service sincluding matters of discipline of the Non teaching and teaching employees of the Mahatma Gandhi Mission and its colleges and Institutes under Constitution of the Trust under Society's Registration Act 1860 and the memorandum of Association and Rules of Institution.
Leave Rules for Permanent Teaching and Non- Teaching and subordinate staff of the University	23/05/2020	Comprises of leave rules like earned, casual , half pay , commuted , vacation, maternity , study duty , compensatory leave etc.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Workshop on 'Universal Human Values' was arranged for non teaching staff	22/08/2019	24/08/2019	43
Session on Universal Human Values: Peer pressure for First Year students.	17/08/2019	17/08/2019	31
No file uploaded.			

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

1. Solid waste management (Composting) (Best Out of waste activity done by Green Club. Participants 10) 2. Green Campus (Plantation) 3. Recycle of Wastewater (STP) 4. Solar power System 5. Recycling paper waste 6. Doing yearly environmental audit 7. Tree plantation 8. Put emphasis on reusing one sided paper for printing 9. Reusing components of old/discarded computers/hard-wares

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

- Aptitude sessions for Second year, Third year and Final year students.
- Organizing in plant training sessions for all students.
- Competitive exam. preparation sessions.
- Project Gallery / Exhibition.
- Alumni interaction through guest lectures.
- Industry institute interaction by inviting industry experts for workshops and guest lectures and Industrial visit.
- Faculty visit to industry for internships.
- Engineering Exploration Laboratory for project based learning.
- Best Practices 1. Sir m. Vishveshwaryya Engineering Exploration laboratory 2. Ready Engineer Program by Tata Technologies

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

<https://www.jnec.org/bestpractices2019-20.php>

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

- Highly qualified, committed, competent and experienced faculty members.
- Well developed infrastructure with modern hi-tech seminar halls, class rooms.
- Well equipped laboratories with adequate configuration and internet facility.
- PG programs and research programs in majority of the departments.
- Updated curriculum with requirement defined by stake holders to successfully implement outcome based education.
- Well established library with adequate books, journals and e-learning resources.
- Well maintained infrastructure for curriculum, co-curricular and extra-curricular activities which include NSS/Sports/Professional bodies/ clubs.
- Dedicated faculty and staff with strong work ethics, commitments to quality, positive morale and willingness to recognize weakness and make improvements.
- Uniform dress code for students
- faculties
- Efficient Training and Placement Assistance
- Guidance for Aptitude Tests and Group Discussion
- Guidance, encouragement and facilities to learn at Foreign Universities
- Centre of Excellence
- Induction Program for First year students
- Foreign Language Courses
- Personality Development Activities
- Industry Institution Initiatives
- Excellent Placements
- Skill Development Activities
- National Service Scheme Activities
- Safe secured premises under CC TV surveillance and vigil security personnel
- Classrooms Labs are isolated from mobiles by jammers
- Fire safety measures implemented

Provide the weblink of the institution

<https://www.jnec.org/index.php>

8.Future Plans of Actions for Next Academic Year

- To encourage research and development approach in faculty and students by arranging International Conference.
- To keep abreast with current technologies by attending and organizing Short term training programs (STTP).
- To arrange programs on higher education for students
- To increase activates to improve placement of students in reputed companies.
- To Improve alumni association activities.
- To provide training in emerging technologies through Centre of Excellence facilities.
- To improve industrial institute interaction by arranging

Industry Institute Connect program. • To organize technical event for students. • To arrange Medical Health Check-up to students and staff. • To arrange training to supporting staff.