YEARLY STATUS REPORT - 2021-2022

Part A	
Data of the Institution	
1.Name of the Institution	**J N N College of Engineering**
• Name of the Head of the institution	**Dr. K Nagendra Prasad**
• Designation	**Principal**
• Does the institution function from its own campus?	**Yes**
• Phone no./Alternate phone no.	**08182276707**
• Mobile no	**8867762150**
• Registered e-mail	**principal@jnnce.ac.in**
• Alternate e-mail	
• Address	**Navule, SHIVAMOGA**
• City/Town	**SHIVAMOGGA**
• State/UT	**KARNATAKA**
• Pin Code	**577204**
2.Institutional status	
• Affiliated /Constituent	**Affiliated**

• Type of Institution	**Co-education**
• Location	**Semi-Urban**
• Financial Status	**Self-financing**
• Name of the Affiliating University	**Visvesvaraya Technological University**
• Name of the IQAC Coordinator	**Dr. Jalesh Kumar**
• Phone No.	08182276707
• Alternate phone No.	
• Mobile	**9449423361**
• IQAC e-mail address	**iqac@jnnce.ac.in**
• Alternate Email address	**jaleshkumar@jnnce.ac.in**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://jnnce.ac.in/jnndemo/AQAR%2020-21.pdf
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	http://jnnce.ac.in/jnndemo/JNNCE%20Calender%20of%20Events%202021-22.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B**	**2.29**	**2018**	**26/09/2018**	**26/09/2023**

6.Date of Establishment of IQAC	**15/03/2017**
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,	

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Civil Engineering	Central Government	NewGen Innovation, Entrepreneurship Development Centre(NewGen IEDC)	2022	5,00,000
Civil Engineering	State Government	Karnataka Science and Technology	2022	65000
Mechanical Engineering	Central Government	NewGen Innovation, Entrepreneurship Development Centre(NewGen IEDC)	2022	5,00,000
Computer Science and Engineering	State Government	VGST	2022	10,00,000
Computer Science and Engineering	Central Government	NewGen Innovation, Entrepreneurship Development Centre(NewGen IEDC)	2022	2,50,000
Electrical & Electronics Engineering	State Government	Karnataka Science and Technology	2022	19,000
Computer Science and Engineering	State Government	Karnataka Science and Technology	2022	12,000
Electronics & Telecommunication Engineering	Central Government	NewGen Innovation, Entrepreneurship Development Centre(NewGen IEDC)	2022	2,50,000
Electronics & Telecommunication Engineering	State Government	Karnataka Science and Technology	2022	21,000
Electronics & Communication Engineering	State Government	Karnataka Science and Technology	2022	19,000
Electronics & Communication	Central Government	IEEE,DRDO,CSIR	2022	4,10,231

Engineering				
Electronics & Communication Engineering	Central Government	NewGen Innovation, Entrepreneurship Development Centre(NewGen IEDC)	2022	2,50,000
Mechanical Engineering	State Government	VTU	2022	800000

8.Whether composition of IQAC as per latest NAAC guidelines	**Yes**
• Upload latest notification of formation of IQAC	**View File**
9.No. of IQAC meetings held during the year	**4**
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	**Yes**
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

All academic process are automated by in house software
Quality initiatives in Teaching - Learning Process
Skill based training to students
Online Annual performance index for faculty members
Initiation, Monitoring, guidance and continuous follow up of Outcome Based Education

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

Plan of Action	Achievements/Outcomes
Plan to prepare and submit NBA compliance report	All 7 UG departments Civil, CSE,ISE, ECE, ETE, EEE and Mechanical got NBA

	reaccreditation from 01.07.2022 to 30.06.2025
Plan to resubmit SAR report of MBA department	Department of Master of Business Administration (MBA) got NBA accreditation from 01.07.2022 to 30.06.2025
Plan to implement Annual Performance Index (API) of teaching staff in JAMS. (In house software)	API is implemented successfully in JAMS software from April 2022
Plan to Increase in intake and start new courses	Information Science and Engineering intake is increased to 180 and Robotics & Artificial Intelligence new course is started
Plan to submit Monthly report from each department to IQAC	All activities of the department and staff are recorded . It is also available to IQAC in softcopy
Plan to increase indexed publications	Number of Indexed publications significantly increased
Plan to conduct Result analysis, Admission analysis ,student interaction and placement analysis	All analysis are conducted and plan of action for further improvement are discussed

13.Whether the AQAR was placed before statutory body?

No

- Name of the statutory body

Name	Date of meeting(s)
Nil	Nil

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2022	24/12/2022

15.Multidisciplinary / interdisciplinary

nil

16.Academic bank of credits (ABC):

nil

17.Skill development:

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TCS Digital Specific Training
TCS Ninja Specific Training
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Wipro Specific Training
Quantitative Aptitude Training
Quantitative Aptitude Training
Technical Training on C, C++ and Data Structure
Training on Life Skills
Training on "How to Crack Wipro Interview"
Training on "How to Crack TCS Interview"
Online Technical Training on C and C++
Training on C and C++ Programming
Online Training on C and C++ Programming
TCS NQT Specific Training

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

Kannada and English incuded in the syllabus as a part of the curriculum

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

- Vision and Mission for the institute is constituted. On the basis of that each department framed vision and mission of the program.
- Program specific outcomes and Program Educational Objectives are defined for each program.
- For all the courses, 4-5 course outcomes are defined. Each course outcome is mapped to program outcomes in the level of low, medium and high.
- 50% weightage is considered for Conteneous Internal Evaluation(CIE) and 50% weightage is considered for Semester End Examination(SEE).
- Course exit survey and Program exit survey also taken into consideration.
- Based CIE and SEE course attainment and Program attainment are computed.

20.Distance education/online education:

Additional classes are conducted online to inculcate additional knowledge about the courses

All class videos are available online, so that student shall watch and clarify their doubts

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	651

File Description	Documents

Data Template	View File

2.Student

2.1 Number of students during the year	3323

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	563

File Description	Documents
Data Template	View File

2.3 Number of outgoing/ final year students during the year	946

File Description	Documents
Data Template	View File

3.Academic

3.1 Number of full time teachers during the year	177

File Description	Documents
Data Template	View File

3.2 Number of sanctioned posts during the year	0

File Description	Documents
Data Template	No File Uploaded

4.Institution

4.1 Total number of Classrooms and Seminar halls	56
4.2 Total expenditure excluding salary during the year (INR in lakhs)	7,89,78,266.00
4.3	800

| Total number of computers on campus for academic purposes | |

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

Curriculum delivery and documentation is important in success of any institution. For the curriculum delivery and documentation institute implemented well planned mechanism as below:

• JNNCE is imparting education in Technology and Management since 40 years. JNNCE is running B.E, M.Tech, MCA and MBA programmes. JNNCE is affiliated to Visveswaraya Technological University, Belgaum. Since we are affiliated to VTU, Institution is follows the curriculum prescribed by the VTU. Institution puts sincere effort in developing mechanism to deliver the curriculum prescribed by the University.

• In the departmental level Coordinator in consultation with Head of the Department, Principal, and subjects to individual faculty members based on their functional expertise.

• In the institutional level, Class time table is prepared by the Time table committee and same time table is followed by the each department.

• Each faculty will maintain Lesson plans, course files and teachers dairy in their respective subjects and are reviewed on a continuous basis by the HOD, Academic dean and the Principal.

• In the beginning of the odd semesters, Institution prepares academic calendar and printed copies in the form of Handbook is distributes to all students and faculties. Academic calendar includes detailed information about the institutional academic activities, internal tests dates, schedule of extra and co-curricular activities etc.

• To monitor the performance of students, institution conducts three internal tests and faculty members will give the feedback to students.

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

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

Institution calendar of events is designed in line with the VTU calendar of events. Department calendar of events is prepared based on institution calendar of events. It consists of the activities planned for the semester which includes internal test dates, display of internal marks, Mentor Meetings, Parents Meet, conduction of events like organizing guest lectures, conferences etc.

1. Test schedule is announced in the institute calendar of events, to be held in 6th, 10th and 14th week respectively.

2. Project/Seminar/Internship Execution Timeline is designed to complete the task and evaluate the work carried out

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

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

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

1.2 - Academic Flexibility

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

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

7

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

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

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

0

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

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

0

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

1.3 - Curriculum Enrichment

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

List of Courses addresses professional ethics, Human Values, Gender, Environment and sustainability:

Scheme: 2018

III SEM: Constitution of India, Professional ethics& cyber law: 18CPC39

V sem: ENVIRONMENTAL STUDIES: 18CIV59

Scheme: 2017

CONSTITUTION OF INDIA, professional ethics and human rights. : 17CPH39

I/II sem (I-Year): 2021 Scheme

Scientific Foundations of Health Code: 27SFH19/29 INNOVATION and DESIGN THINKING Code: 21IDT19/29 Social connect and Responsibility 21SCR36

File Description	Documents
Any additional information	**View File**
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	**View File**

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

38

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

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

868

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

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	**B. Any 3 of the above**

File Description	Documents
URL for stakeholder feedback report	**Nil**

Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
Any additional information	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows	B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	**View File**
URL for feedback report	Nil

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

686

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

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

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

183

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

2.2 - Catering to Student Diversity

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

Process to identify of Slow learners

Weak students are identified using the following process:

When the students are admitted to first Semester PUC Marks / Grade is considered as the reference to identify slow learners. Here, bottom 15% students of PUC Marks / Grade admitted to the department are considered. Second Semester onwards students' performance in previous semester (CIE and SEE put together) are

taken as the reference. Here, students with less than 50% score in CIE and SEE performance in all courses is considered. Process to Identifyadvanced learners

Advanced learners are identified using the following process:

When the students are admitted to first Semester, CET ranking is considered as the reference to identify advanced learners.Here, top 15% students of CET ranking admitted to the department are considered. Second Semester onwards students performance in CIE and SEE are taken as the reference. Here, students scored above distinction or equivalent marks in CIE and SEE performance are considered.

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

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

Number of Students	Number of Teachers
3323	177

File Description	Documents
Any additional information	No File Uploaded

2.3 - Teaching- Learning Process

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

To improve the quality of teaching and learning various pedagogical initiatives have been adopted. The students are made to understand the topics through the quizzes, seminars, group activities, lecture videos, coding and demonstration of real world models. These initiatives help the students to improve communication skills, presentation ability, programming skills, self-learning ability and peer learning ability.

Collaborative Learning:In Collaborative learningtwo or more people learn or attempt to learn something together.Unlike individual learning, people engaged in collaborative learning capitalize on one another's resources and skills. These include both face-to-face conversationsand computer discussions.Thus, collaborative learning is commonly illustrated when groups of students work together to search for understanding, meaning, or solutions or product of their learning.

Software Assignments:In this small programming tasks like spot programming, mini project implementation, creative programing etc., are given to students, students have to solve these tasks using appropriate programming language and submit within the

deadline given. This helps in improving the programming ability as well as problem solving ability of the students.

Quiz/class Tests/puzzles:To test the understanding and analysing ability of the students quizzes/tests are conducted. In this set of questions are posed to the students, students have to answer the questions. To improve the creative thinking ability, some crossword puzzles are given on the selected topics. The students have to solve these on the spot.

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

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

Instructional methods

Theory and lab sessions are conducted using following instructional methods.

Black board teaching. Presentation using LCD projectors Course instructors create google class room for the subjects they are handling. All the informations related to the subjects are shared in the group. Course instructors create video presentations of the subjects and share the videos through you tube channels. Online classes also conducted for effectie understanding of the subjects. Video Lectures/Presentations:

Learning ability of the students can be better improved if the teaching includes more visuals than conventional black board teaching. Thus video lectures, presentations helps in visualizing the concepts better. The best video lectures are downloaded and played in the class rooms, if there are any doubts the course teacher will clarify. The course teacher will also prepares the dynamic presentations and delivers them in the class.

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

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

2.3.3.1 - Number of mentors

175

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	No File Uploaded

Circulars pertaining to assigning mentors to mentees	No File Uploaded
Mentor/mentee ratio	No File Uploaded

2.4 - Teacher Profile and Quality

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

177

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

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

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

43

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

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

2.4.3.1 - Total experience of full-time teachers

2515

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

2.5 - Evaluation Process and Reforms

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

Continuous Internal Evaluation policy is framed on the process of internal semester question paper setting evaluation, Project, Technical Seminar and Internship evaluation based on the Visvesvaraya Technological University (VTU) guidelines and Outcome

based Education System. Along with this evaluation rubrics for project work, internship and seminar was designed

A. Process for internal semester question paper setting evaluation:

1. Test schedule is announced in the institute calendar of events, to be held in 5th, 10th and 15th week respectively using College Inhouse software (JAMS).

2. Question paper pattern is followed based on guidelines formed by IQAC for BE, MBA, MTech and MCA.

3. Same CO numbers to be given for choice questions.

4. Questions are set in line with Revised Bloom's Taxonomy levels.

5. Question paper scrutiny committee is formed to scrutinize the question papers along with the scheme.

6. Scheme and solution are made available to the students and it is also discussed in the class.

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

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

- The internal assessment marks for theory is based on three tests, conducted as per the college calendar of events. From the marks obtained in three tests, average of best of two test marks is considered as final internal assessment marks.
- The department internal assessment process involves HOD, courses instructors and question paper scrutiny committee.
- Two faculty members are designated as test coordinators at the beginning of the academic year.
- Question paper committee consists of ten members including HOD, Professors and senior faculty members of the department. Two subjects are allotted to each committee member to verify the test question papers. Allotment is based on expertise in the course.
- Time table for the test dates are prepared by the test coordinators and announced in the notice board one week before the commencement of the test based on the institution test schedule.
- Course instructors should prepare the question paper according to the format specified by the college and scheme for the evaluation one week before the test.
- The test papers, scheme and solutions are verified by the question paper scrutiny committee member. The committee reviews the question paper pattern, modules covered, marks allotment, course outcomes and blooms level.

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

2.6 - Student Performance and Learning Outcomes

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

At the begining of the semester course instructors prepare the course outcomes for the course they are teaching. Two or three senior faculty members involve in the process. After brainstorming session COs are finalized.

For all the courses in the curriculum, course instructor preapre 4-5 course outcomes.

Before begining of each topic in the class, COs covered by that topic is demonstrated to students. Students will give the feedback on course outcomes of each courses and program outcomes.

Program outcomes are available in the college website.

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

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

CO attainment for the course is computed based on both direct and indirect attainment. For direct attainment 50 % of Contentious Internal Assessment (CIE) and 50 % of Semester End Examination (SEE) are considered. For indirect attainment course end survey is carried out. Final CO attainment is 90% of the direct attainment and 10% of indirect attainment.

CO attainment Calculation:

 1. Course Outcome Evaluation through Continuous Internal Evaluation (CIE)

The CIE question papers are set so as to cover all the CO's. The attainment of a particular CO is calculated using the following equation.

% CO ATTAINMENT through CIE= $(X/(Y * Z)) * 100$

Where X is the total marks scored by the students in a particular CO from all tests, Y is the maximum marks allocated to that CO and Z is the no. of students attempted that CO.

1. **Measuring Course Outcomes attained through University Examinations (SEE)**

% CO ATTAINMENT through SEE = Class average marks in percentage

From each course, the final CO attainment is computed as follows,

Direct Attainment (%) = (0.5 X CO attainment through SEE)+ (0.5X CO attainment through CIE)

Course Exit Survey

% CO ATTAINMENT = 0.9 X CO attainment (Direct) + 0.1 X CO attainment (Indirect)

Setting CO Attainment Target

TARGET for CO1-CO5

60% Students score more than the class average percentage3

40% Students score more than the class average percentage2

20% Students score more than the class average percentage1

· PO and PSOs attainment levels are computed based on 90 % of direct assessment + 10 % of indirect assessment.

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

2.6.3 - Pass percentage of Students during the year

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

876

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

2.7 - Student Satisfaction Survey

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

https://jams-jnnce.in/jamsf/Feedback/SSS_2021_22.html

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

6382731

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

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

3.1.2.1 - Number of teachers recognized as research guides

43

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

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

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

5

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

3.2 - Innovation Ecosystem

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

Institution provide various ecosystem for innovation and initiatives for creation and transfer of knowledge:

1. Centre for Innovation and Entrepreneurship (CIE) : • Center for Innovation and Entrepreneurship (CIE) was started in the year 2018 to jointly run various Platforms/Programs at JNNCE with the

Support of various Govt. Departments and agencies, Universities, Institutions, Industries, Startups, NES Management, JNNCE Faculty, Alumni and Students. 2. NEWGEN IEDC : • National Science and Technology Entrepreneurship Development Board (NSTEDB), Department of Science and Technology (DST), Government of India has started New Generation Innovation and Entrepreneurship Development Centre (NewGen IEDC) at JNNCE in 2018. • Students will be encouraged to take up innovative projects with possibility of commercialization. 3. NEW AGE INCUBATION NETWORK CETRE (NAINC) : • Department of IT BT, Government of Karnataka has started "New Age Incubation Network" Centre at JNNCE

4. JNNRIC : • JNNCE Research and Innovation Centre (JNNRIC) aims to nurture innovation and encourage entrepreneurial talents among students, faculty and people of the region. • JNNRIC might include research proposals addressing the Agricultural Technology, Renewable Energy and Energy Conservation System ICT for Socially relevant problems. 5. JNNCART : • A Centre for Appropriate and Agricultural Technologies was setup at JNNCE with the objective of serving farming community and other people of the Malnad region.

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

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

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

19

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

3.3 - Research Publications and Awards

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

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

12

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

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

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

122

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

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

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

43

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

3.4 - Extension Activities

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

Extension activies are carried out through NSS and Red Cross. Covid vaccination drive had been organised both for students and staff during pandemic. Students are also participating in educating rural people regarding digitization and awarness programs among rural people regarding digital technologies

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

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

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

0

File Description	Documents

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

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

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

13

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

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

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

1900

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

3.5 - Collaboration

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

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

4

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

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

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

2

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Classrooms: The Institution has sufficient number of Well furnished, well ventilated, spacious classrooms with LCDprojectors for conducting theory classes and area is as per norms. Exclusivelanguage lab with audio, video facility, separate departmental library, EDUSATfacility is available. Each department has a separate seminar hall equippedwith LCD, Audio visual facilities

Laboratory: All laboratories are well equipped with LCD projectors and wellmaintained both for syllabus oriented practical's and research activities. Each laboratory is maintained by dedicated lab instructor/system administrator.Provision is made in annual budget for procurement, upgradation, deployment and maintenance of the laboratory equipments for each department in theinstitution. The process of calibration and precision measures are handled by the expert agencies to upkeep all the electronics equipment. .Computers: The Institution has a comprehensive IT Policy which is governed by the IT Planning and MonitoringCommittee comprising of the Head of the institution, HOD of CS/IS/MCA, Networkadministrator, System analysts and programmers. All the

computer systems in the campus are regularlymonitored by the System Administrator and maintenance staff under AMCclause. WiFi technology with user level Authentication using UTM firewall isbeing implemented. High end Access points with more than 70 Users simultaneouslogin to single access point.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://jnnce.ac.in/jnndemo/

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

The Cultural Team is responsible for organizing and participating in the culturalactivities, in which the activities are planned and executed by the members of Cultural Team constituted with the representation of staff and students of theInstitute. Every year 3 days cultural event "Jhanvi"is conducted.

JNNCE sports department aims at all round development of the student'spersonality through sports activities. It has required infrastructure to enhance the sports activities like indoor outdoor sports facility. The sportsdepartment actively organises Inter department sports activities Annual Sports Day sports events. State of art sports facilities are provided that make thedepartment in hosting selection, training and practice sessions for college teams. JNNCE Turf cricket ground and Mud Cricket ground facilities are providedfor utilization based availability.

Student Amenities Centeris available with canteen, bank, post office, guest house and cooperativesociety facilities. Health centre is available in campus and well qualifiedmedical officer is appointed for medical aid of staff and students

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://jnnce.ac.in/jnndemo/

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

51

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

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

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

1,15,00,216-00

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

4.2 - Library as a Learning Resource

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

Library Software: eLib iNext :

It is a Web based Library Management Software + Web Opac.

1. Tracking the budget, i.e Planning & Monitoring Tracking of book
2. Tracking of the Library utilization status for each members
3. Easily generating various summary reports, that helps to provide a bird view of the library.
4. Easily search books, journals & non book materials.
5. It is a multiuser (client/Server based) Multilingual (Supports Unicode)
6. It supports AACR II Catalogue.
7. It has effective OPAC (online Public Access Catalogue) & WEB OPAC & it also supports various technologies like RFID technology, Bar code technology.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	Nil

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

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga	View File

Membership etc (Data Template)

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

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

683660

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

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

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

72 2232

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

4.3 - IT Infrastructure

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

WiFi technology with user level Authentication using UTM firewall isbeing implemented. High end Access points with more than 70 Users simultaneous login to single access point. The Leased Line is available with 500 Mbps (1:1) Ratio) with unlimited data usage. Institution frequentely updates its IT facilities.

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

4.3.2 - Number of Computers

800

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

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

Institution

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

4.4 - Maintenance of Campus Infrastructure

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

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

1,15,00,216

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

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

There are established system and procedures for maintaining and utilizing physical, academic and support facilities. The library advisory committee will conductmeeting twice or thrice a year and discuss demand book list, Budgetaryprovisions, approval book purchase, journals, ejournals and furniture andprocurement. Utilization of library services is ensured through user educationprogram to the newly admitted students, working hours, digital library, bookbank facility, reprographic facility, updating by inclusion of referencematerials, question paper bank, DELNET services and extending library workinghours. EJournals and Books are available through VTU Consortium. The Institution has a comprehensive IT Policy which is governed by the IT Planning and MonitoringCommittee comprising of the Head of the institution, HOD of CS/IS/MCA, Networkadministrator, System analysts and programmers. The Committee plans all the ITrequirements of the Institution and prepare a list of requirements and forwardit to management. The purchases are made after negotiations with companies bythe purchase committee. All the computer systems in the campus are regularlymonitored by the System Administrator and maintenance staff under AMCclause. JNNCE sports department aims at

all round development of the student's personality through sports activities and utilization of sports facilities.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

2522

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

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

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

0

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

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	**B. 3 of the above**

File Description	Documents
Link to Institutional website	**http://jnnce.ac.in/jnndemo/**
Any additional information	**No File Uploaded**
Details of capability building and skills enhancement initiatives (Data Template)	**View File**

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

711

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

711

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

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

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

457

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

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

5.2.2.1 - Number of outgoing student progression to higher education

24

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

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

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

19

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

5.3 - Student Participation and Activities

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

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

10

File Description	Documents

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

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

Student participation in various academic and administrative committees of the Institute is nurtured and encouraged to ensure overall development. Internal Quality Assurance Cell (IQAC) formed on the guidelines of NAAC comprises the stakeholders with bonafide student representation. The representation is made by two undergraduate students. The professional bodies like Compute Society of India (CSI), Institution of Engineers (India) – JNNCE Chapter, The Institution of Electronics and Telecommunication Engineers (IETE), IEEE JNNCE Student Chapter are governed by the bodies which are represented by students. The activities of these associations are planned and executed by student representatives from each class under the supervision of a faculty advisor.The Cultural Team is responsible for organizing and participating in the cultural activities, in which the activities are planned and executed by the members of Cultural Team constituted with the representation of staff and students of the Institute. The selection of the student representatives is mainly based on the performance and contribution in the different art forms. The Sports Committee which is responsible for conduction of various sports activities and encourages the students to take part in sports competitions is also constituted with student fraternity.

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

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

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

32

File Description	Documents
Report of the event	**No File Uploaded**
Upload any additional information	**No File Uploaded**

Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	**View File**

5.4 - Alumni Engagement

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

JNNCE Alumni Association (JNNCEAA) was constituted & registered in June 2018 with the objective of mobilizing the Alumni towards institutional development. We have large fraternity of alumni, serving in India and abroad in wide areas and in different positions.

Scholarship and Meritorious Awards Instituted by JNNCE Alumni

JNNCEAA initiated Scholarship and Meritorious awards to be instituted by Alumni members and it was floated on 14th Feb 2020. It has options like Creation of corpus fund and Instituting Scholarship. The objective is to give scholarships/financial assistance to financially deprived students, meritorious students, students exhibiting extraordinary skills. In this respect alumni came forward with a plan to initiate a scholarship scheme through donations from members to be given away to needy JNNCE students. Many alumni are contributing to this scheme.During 2022, 09 students are awarded with scholarship of worth Rs. 2.5 Lakhs

80G – 12 A Certification for income tax rebate is obtained

Global Alumni Meet: Alumni Association celebrates Global Alumni Meet every year during third Saturday of May. As of now three such meets were organized. During this meet Distinguished Alumni Award instituted by JNNCE was given to the Alumni who excelled in their professional / social domain.

Placement & Internship Support

Our Alumni working at reputed companies like Texas Instruments, SLK Software, Tata Consultancy Services, Avin Systems, Secpod etc. are constantly in touch with the Alma mater. They recommend JNNCE students for placements and internships.

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

5.4.2 - Alumni contribution during the year (INR in Lakhs)	D. 1 Lakhs - 3Lakhs

File Description	Documents
Upload any additional information	**View File**

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

The Vision & Mission of Jawaharlal Nehru National College of Engineering (JNNCE) are:

Vission

To be a pace setting institute in technical & management education and research for producing highly competent engineers, managers & entrepreneurs to meet the needs of industry and society.

Mission

- Impart quality education through flexible and innovative teaching - learning process
- Enable and Ignite young minds to excel in their career & life with entrepreneurial spirit, professional ethics and human values
- Facilitate invention based research and collaborate with industries to address societal needs.

Nature of governance, perspective plans and participation of the teachers in the decision making bodies of the institution

- Policy statements and the action plan are formulated by the Governing Council
- The Governing Council of the institute is constituted as per AICTE norms.
- The Governing Council ensures quality in different academic and administrative activities and functions of the institute.
- The Governing Council meets twice / thrice a year to formulate developmental strategies for the institute. It also guides and gives suggestions to implement these strategies successfully.

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

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

Ensuring institutional success, college decentralized authority to the various Heads of the departments. Senior faculty with experience heads the corresponding department and ensures the need for changes as per the strategic planning. HODs focus on teaching-learning, Pedagogy, improvement of results, Introduction of new courses, increase in student intake, establishment of new labs, enhancing industry connectivity for placement, internships etc.

Institute promotes a culture of participative management at all levels right from the students up to the senior members of faculty.

- The institution believes in the participation of faculty, Principal and Management in planning as well as execution.
- Management representatives are members of Governing body, Purchase committee, Hostel committee and Infrastructure committee.
- There are four levels of participation
  - Student through the Student Council
  - Faculty level
  - HODs level
  - Management level

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

- e governanace is effectively deployed for all the academic activities

- Online elective system is deployed for the students to choose the elective subjects according to their option through out the institute

- Monthly report submission to IQAC for the activities carried out in the department, faculty involvement and students contribution

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

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

Top management assigns independent entities to monitor the academic leadership in the institute. JNNCE has decentralized its activities for effective implementation of its action plans. It believes to act together within the framework of its individual and collective responsibilities, by involving all the faculty members at the department and Institution level. HODs are nominated by rotation on tenure basis which provides an opportunity to all the Senior Professors. To bring the sense of responsibility faculty members are assigned as heads/members of one or the other committee.

Policies

- **The institution has well-defined service rules, policies and procedures. All circulars, notices and other communications are disseminated among concerned stakeholders; also displayed on the notice boards. Copies of these communications are maintained in the Establishment section of Administrative Office.**
- **The college appreciates the importance of Human Resources to further propel the healthy growth of the institute. Apart from fulfilling the manpower requirements of the institute/ departments, it ensures proper dissemination of policies amongst staff of all cadres by way of orientation sessions for newly recruited staff, along with maintenance of all records pertaining to staff.**

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

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination	**A. All of the above**

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

6.3 - Faculty Empowerment Strategies

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

Welfare measures for Teaching Staff & Non-Teaching Staff

a) Gratuity

b) Employee Provident Fund (EPF) & Employee Pension Scheme

c) Employee State Insurance

d) Group Personal Accident Insurance

e) Maternity Benefit: Lady Employees can avail180 days of maternity leavewith full salary and the interval between two such leave shall not exceed 3 years and shall not exceed two occasions during the service period of the employee.

f) paternity Benefits: Male employees can avail7 days of paternity leavewith full salary and the interval between two such leave shall not exceed 3 years and shall not exceed two occasions during the service period of the employee. JNNCE is extending Paternity Leave benefits to all the eligible employees as per Government notification.

g) Advance Salary benefit: JNNCE is providing Advance Salary benefit to all employees and this policy enables regular employees to avail advance salary facility for specific reason such as Medical exigency, Marriage, Children Education or any other reason that the NES management will take a final decision. Upper limit for Advance Salary benefit is 3 month salary or Rs.50000/- whichever is lower. This Advance Salary shall be recovered in 20 monthlyinstalments.

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

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

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

1

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

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

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

15

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded

Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	**View File**

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

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

150

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

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

a) Faculty Performance Appraisal

Self – appraisal of faculty is based on:

- Teaching assignments
- student result analysis
- details of Organizing shot-term courses / workshops / conferences
- paper presentations / publications
- writing text books, department / college / Management activities,
- Ph. D / M. Sc. Engineering, Guidance, consultancy, R&D.

1. API score board

- The API score sheet will be filled up for every semester after the announcement of the University exam result and the performance is tabulated.

1. Assessment period and scoring pattern

It is annual performance review with the scoring pattern standardized to a maximum of 150 points. This is made known to the

faculty through the HR manual

b) Non- teaching staff

The college has an appraisal system which is very fair and transparent. The faculties are evaluated by using four stage processes namely:

- **Self-evaluation by Non-Teaching Staff**
- **Evaluation by HOD taking into consideration various criteria**
- **Review by Committee comprising of Principal and screening committee.**

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

6.4 - Financial Management and Resource Mobilization

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

External Audit The institute has ensured financial audits are taken up by the chartered accountants at the end of each financial year. The auditing has not indicated any major auditing remarks. The management has created a system to ensure that cash book is checked on timely basis. Internal Audit: Finance and account documents and procedures are audited but institute internal auditor and even by the NES Internal financial auditor.

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

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

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

250000

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

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

The college has a very robust and active financial system. The finance management is done by following steps:

- The admission for the academic year and the amount collected through the process is recorded.
- The HODs are expected to indicate their budget for the academic year (For Different heads of Accounts)

- In the month of January of every year, Institute seeks department budget from all departments, Establishment & other functions for next financial year.
- The Director prepares the budget for the year considering the strategic plan of the department, development needs of the department, training programmes/ workshops, if any, to be set up based on changes in University syllabus.
- The institute's Accounts Section & the Principal prepare budget document of the institute & the individual departments based on:
    - Previous year's actual expenditure
    - Current year's estimated revenue
    - Plans for current year with respect to recurring & non-recurring expenses
    - Departments' funds requirements for different programmes and activities
    - Statutory requirements
    - Management Policy with respect to staff welfare, infrastructure development and student amenities
- The Budget is placed in Governing Council meeting and then in Executive Committee of Management for approval and implementation.
- Institute allocates the budget for each department based on budget utilization in previous financial year, budget sought for the next year and availability of funding.

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

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

The institution has constituted IQAC as per NAAC guidelines, giving representation to all the concerned stakeholders; we have also designated faculty / staff coordinators for all the departments. Meetings are being conducted as per a planned calendar, to discuss and recommend on quality initiatives in different administrative and academic activities, follow up action and reporting there on are being promptly adhere to. With the participation of all the stake holders and representatives on

IQAC, we are confident of accomplishing higher standards of excellence in all spheres of education and administration in our institution.

Internal Quality Assurance Cell (IQAC) of the Institution is a place where:

- solutions to coping with these dynamic changes originate,
- where processes are drawn to implement these solutions and,
- the outcomes of the ideas and implementations are effectively measured
- IQAC not only devices, directs and measures quality at various levels but also aims to channelize all efforts and measures of the institution towards promoting holistic excellence in all fields.

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

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

IQAC conducts the meeting periodically to review the quality improvement process.

It includes teaching learning process, result analysis, placement analysis, mentoring process and other activities carried out by the department. In each meeting Agenda will be planned and progress review about the topic discussed in previous meeting is carried out.

There is substantial improvement in teaching learning process and activities carried out in the institute.

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

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality	A. All of the above

audit recognized by state, national or international agencies (ISO Certification, NBA)

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

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

The institute has significant enrollment of female students at 50:50 ratios and the adequate facilities are provided by giving them home at the campus. Institute conducts workshop on basic electronics and 12th Physics for Kasturba girls PU College. Institute conducts International Women's day every year during the month of March. Following are the Specific facilities provided for women:

- Exclusive Hostel Facility for Women of 500 Capacity
- Well Managed Catering Facility
- Dedicated Transport Facility
- Mentoring and Counselling mechanisms (Dedicated Counsellor in the Campus)
- Anti-sexual harassment committee
- Exclusive Sports facility
- Common rooms for girls in all blocks

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

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid	B. Any 3 of the above

Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	

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

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

- **Solid waste management**
  - **The institute has solid waste management system. The bio degradable waste from the campus and college hostel is converted to high grade organic manure and is used in the campus garden. Excess quantity is sold to farmers.**
- **Liquid waste management**
  - **The Institution has the facility of 10 million liter capacity rain water collection, which collected from all the buildings in the campus.**
- **E-waste management**
  - **Old computers are reused in schools run by NES Schools. The e-waste is periodically handed over to the vendors of electronic equipment for safe and proper disposal.**

- **Waste recycling system**
  - **The Institution has the facility of 10 million liter capacity rain water collection, which collected from all the buildings in the campus. In addition to this, surface water collection (rain) in another pond. Sewage Treatment Plant (STP) of capacity 1.5 lakhs liters per day is used for gardening.**
  - **Hazardous chemicals and radioactive waste management**

Not much hazardous waste is generated in college. The waste water from the chemistry lab is treated in the STP. JNNCE Management has devised a unique system of segregation of the solid waste other than the food and organic waste.

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

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction	**A. Any 4 or all of the above**

of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	

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

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping	**A. Any 4 or All of the above**

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

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

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	**No File Uploaded**

Certification by the auditing agency	**View File**
Certificates of the awards received	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	**B. Any 3 of the above**

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

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

Institution organizing induction program each year for the students. Several programs are arranged under biofuel activity.

District bio fuel information and demonstration center, JNNCE, Shimoga has been established in June 2011 by Karnataka State Biofuel Development board, Govt. of Karnataka, Bangalore. This information centre has been conceptualized as a showcase to study, promote & demonstrate all aspects of the bio-fuel business namely,

i) providing information on Bio Fuels. ii) Identification of various sources of oil iii) Agronomic practices for these sources. iv) Post-harvest technologies like de-cortication, oil expelling etc. v) Treatment & uses of oils. VI) Trans-esterification methods & efficiencies. vii) Exploration of various business models w.r.t. Bio-fuel sector ix) R&D and extension services X) to purchase oil seeds from Shimoga region and encourage the farmers to take up bio fuel activities.

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

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

At JNNCE, sensitizing students on our constitutional rights, values, duties and responsibilities is one of the primary educations given at the institute through various means.

Sensitization of students and employees of the Institution to the constitutional obligations is done through curriculum as well as through extra-curricular activities. Many of the subjects offered have topics which sensitize the students about the constitutional obligations. The University has introduced a compulsory paper on the Constitution of India at Degree level across all engineering disciplines to create awareness and sensitizing the students and employees to constitution obligation .As a part of strengthening the democratic values. Also, all students take a course on Environment studies in their first year which gives them insight into environment acts, wildlife protection act, forest act, global environmental concerns etc.

The students of all branches study constitution of India as a compulsory paper which sensitizes the students about constitutional obligations. Every year Republic Day is celebrated on 26th Jan by organizing activities highlighting the importance of Indian Constitution. Independence Day is also celebrated every year to highlight struggle of freedom and importance of Indian constitution.

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

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and	B. Any 3 of the above

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

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

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

Every year Republic Day is celebrated on 26th Jan by organizing activities highlighting the importance of Indian Constitution. Independence Day is also celebrated every year to highlight struggle of freedom and importance of Indian constitution. Along with Gandhi Jayanthi, Ambedkar Jayanthi other national festivals are organized in the college. Woman's day is celebrated in each year.

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

7.2 - Best Practices

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

Best Practice 1. Digital transformation for automaticacademic and administrative management of the college JNNCE is a big college that runs various courses like Engineering, MBA, MCA and MTech. Morethan 3000 students study here. More than 200 Employees work

here. Henceensuring good academic policies, transparent and effective administration ofemployees, their research profile, Mentoring of students and Analysis for Quality Improvement is the ultimate goal of the institution. Hence asophisticated digital transformation tool is required for management. These processes are assisted by a user friendly tool called JAMS(JNNCE Automation and Management Services). JNNCE Automation Management System For College Automation, JNNCE uses an in-house package calledJAMS (JNNCE Automation and Management System Portal) which helps allstakeholders to get the information and data at the click of a button. Best Practice 2 : Evolving JNNCE as a"Green Campus" The goal is to promote "Green campus concept" andbecome a role model for the educational institution:

• Green building design.

• Solar energyfor electricity, Demand side management, energy conservation, e administration, etc.

• Bio diesel Bicycle for in campus transportation.

• Bio gas from canteen,hostel waste, night soil, solar energy for cooking.

• Rain water harvesting.

File Description	Documents
Best practices in the Institutional website	**http://jnnce.ac.in/jnndemo/automation.html**
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

Centre for Innovation and Entrepreneurship (CIE) was started in the year 2018 to jointly run various Platforms/Programs at JNNCE with the Support of various Govt. Departments and agencies, Universities, Institutions, Industries, Startups, NES Management, JNNCE Faculty, Alumni and Students.

CIE aims to create innovation, startup & Entrepreneurial ecosystem at JNNCE and in & around Shivamogga by providing all the required facilities like incubation support, startup space, Mentors connection, Support on IPR & Startup Registration, Investors Connection, assistance in building Business plan, Financial Projection, team building, product launch, marketing, scale-up etc., CIE Also provides platform to setup Development Centres & Centres of Excellence by various startups, Industries, Agencies & MNCs at JNNCE Campus.

NewGen IEDC, NAIN Center, MSME Business Incubator, Institution's Innovation Council, IP Cell, E-Cell, JNNRIC, JNNCART are some of

the initiatives/Platforms of CIE.

• College is also successful in conducting Internship Activities for Students for past 3 semesters in association with Ekathva Innovations Pvt. Ltd. Students are trained in latest technological areas of Python like Django, Flask, Semantic Web, Semi Structured data access, Rest API and others. Students carry out a real time project and submit it as a part of Internship activity.

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

7.3.2 - Plan of action for the next academic year

1.Future Related Activities and Collaborations

• Identifying the problems developing solutions, automating routine works to optimize the resources

• Identifying the problems developing solutions, with office Automation.

• Fostering a more transparent, responsive, motivated and agile administrative machinery

• Ensuring meticulous financial planning, Implementation and auditing

• Increased monitoring of revenues, expenditure, investments and human resources

• Planning for better campus opportunities

• Opening new courses in cutting edge areas

• Enhancing visibility through more reaching out, publicity promotion, press public relations, publications, extension social community participation

• Faculty Development workshops on various topics in all depts.

• Arranging In house workshops Motivational programs

2. Administrative Measures and Infrastructure

• Developing and maintaining state of the art infrastructure in the campus – for administration, teaching learning, research, consultancy, campus living, and welfare of all the constituents, fire protection, energy conservation

• Ensuring optimum utilization of classrooms, laboratories, workshops, equipment's, and other facilities.

• Developing and maintaining proper landscaping, effluent treatment, safety security, vigilance surveillance on the campus

3. Research Innovation

- **Create an environment for high impact, cutting edge research**

- **Initiating activities related to IPR and Patents**

- **Identifying the current work to apply for patents**