SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

JKK NATTRAJA COLLEGE OF ENGINEERING AND TECHNOLOGY

JKKN COLLEGE OF ENGINEERING AND TECHNOLOGY,
NATARAJAPURAM,NH-544 (SALEM TO COIMBATORE NATIONAL
HIGHWAY), KUMARAPALAYAM (TK), NAMAKKAL (DT). TAMIL NADU.
638183.
638183
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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

June 2024

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

J.K.K Natraja College of Engineering and Technology has emerged as the leading institution in the domain of technical education since its establishment. The institution was initiated by J.K.K. Rangammal Charitable Trust and has been under the guidance of the visionary philanthropist Smt. N. Sendamaraai, Managing Trustee, since 2008, contributing significantly to the mission of promoting literacy and women's empowerment, thereby elevating the socio-economic status of the community. It stands as a leading self-financed institution among the affiliates of Anna University. The College implemented the Choice Based Credit System (CBCS) with effect from the Academic year 2017-18. It offers five undergraduate programs with a total sanctioned intake of 300 and two postgraduate programs with a total sanctioned intake of 72. The Institution is highly desired by students securing good results in Anna University Examinations and excelling in various activities. Over its 13-year tenure, J.K.K Natraja College of Engineering and Technology has acquired a reputation as one of the premier institutions in the field of technical education since its establishment. Situated on the Salem to Coimbatore Highway near Kumarapalayam, J.K.K Natraja College of Engineering and Technology is located within a vast campus, with a substantial portion allocated to the institution, featuring contemporary architecture that meets global standards. Approved by AICTE, New Delhi, and affiliated to Anna University, the institution aims to serve as a leading provider of innovative solutions to address the evolving needs of society. The institution is managed by Mr. S.Ommsharravana, Managing Director of J.K.K Nataraja Educational Institutions, along with a team of distinguished educators whose dedication, commitment, and expertise ensure the delivery of quality education, infused with a practical yet realistic approach.

Vision

To be a Leading Global Innovative Solutions provider for the ever changing needs of the society.

Mission

Equip learners with advanced engineering knowledge and skills.

Facilitate them to collaborate with bioconvergence disciplines and become leaders who contribute to sustainable development.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Utilizing AI platforms in all aspects, digital communication on campus, moving towards outcome or impact-based actions.

- Good academic culture and ambiance.

- Administrative and management policies and controls are well established and operate effectively.

- Institute location accessible to all stakeholders.

- Well-developed infrastructure.

- Qualified and experienced faculty and staff.

- Management supports upgrading faculty qualifications.

- Career counseling and campus placements are strong.

- Renewable energy resources are effectively utilized and installed.

- Mentor systems are effective.

- Standard procedures, policies, and practices are in place.

- Meritorious students and rank holders are suitably rewarded.

Institutional Weakness

- Departments yet to get recognition as research centers.

- Inadequate number of Faculty publications and research funds from external agencies.

- Challenges in adapting the syllabus to reflect current trends and requirements.

- Students lack awareness of research and higher education opportunities.

- Lack of openings for faculty and student exchange

- Placement opportunities are very less due to inadequate growth of industries in local area

Institutional Opportunity

- Increasing the number of UG & PG courses.

- Establishing research centers in all programs.

- Scope for Industry Institute Interaction.

- Increase Alumni Engagement.

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- Possibility for Autonomy.

Institutional Challenge

- There is tough competition in research funding opportunities.

- It is difficult to increase consultancy funds.

- Students have limited awareness and opportunities regarding TOEFL, IELTS, GATE, and other government-related exams.

- It is difficult to increase student participation in national and international curricular and extracurricular activities.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

J.K.K Natraja College of Engineering and Technology, strongly believes that providing the right learning opportunity for the students will equip them to become industry-ready engineers. The institute, affiliated with Anna University, Chennai, follows the curriculum and syllabi prescribed by the university. The academic calendar of the institute mirrors the university's academic calendar and encompasses curricular, co-curricular, and extracurricular activities. Academic calendar and teaching plans are meticulously adhered to and regularly audited. There is a well-defined mechanism in place for planning, execution, and monitoring of the curriculum, along with Value Added Courses (VAC) aimed at enhancing students' skills to meet industry expectations and competitive examinations. The curriculum also focuses on imparting transferrable and life skills through subjects such as Human Values and Professional Ethics, Skill Development courses - Soft skills, Communication skills, and Technical skills, Economics, and Finance, as well as co-curricular activities which provide comprehensive training to students, striving towards technological and human excellence.

In addition, the curriculum includes mini-projects, laboratory and project work, technical report writing, and training in the latest software and technologies under technical skills. The core subjects provide technical knowledge relevant to the chosen program. To promote self-learning, students are required to complete at least one online or offline certification course from NPTEL /COURSERA/VAC.

Choice-based credit system has been implemented across all programs since 2017-18. The success of the curriculum design and development towards employability is reflected in the increase in net selections in placements and gradual improvement in the average pay-package, as well as admissions into higher educational institutions both in India and abroad. Students are provided with industrial visits and internships to enrich their understanding of industries, real-world applications, project development, and to stay updated with current trends. Postgraduate management programs are designed with advanced core and elective courses along with an emphasis on laboratory and research work. The curriculum of postgraduate courses encompasses all the aforementioned aspects. Stakeholders provide regular feedback on a semester basis, which is then followed by actions implemented by the institution's head and management.

Teaching-learning and Evaluation

The quality of students seeking admission has been consistently improving, as evidenced by the ranks of incoming students. Given their diverse backgrounds, the institution offers academic and other necessary support. Remedial classes are provided for slow learners, while bridge courses are organized for lateral entry students. Advanced learners are encouraged to participate in activities like Hackathons/Design contests. The institute operates a mentoring system where each faculty member is assigned around fifteen students, serving as their local guardian.The Institution prioritizes student-centric teaching methodologies, which include seminars, group discussions, brainstorming sessions, and project works, to ensure the holistic development of learners.Institute has 9:1 student-faculty ratio which enables strong interaction between students and faculty.

Recruitment policies prioritize well-qualified and experienced faculty in line with AICTE norms, enhancing the teaching-learning process. The institute maintains the required teacher-student ratio and assigns courses to faculty based on their competencies and specializations. Faculty members employ innovative teaching and learning processes, including ICT tools and modern pedagogical techniques. Discipline-specific technical training programs and industrial visits bridge the gap between the curriculum and industry requirements. Guest lectures, workshops, and conferences further enrich students' domain knowledge.

Examinations and evaluation are adhered to university rules and regulations and periodically updated for efficiency as per the university guidelines. Program Educational Objectives (PEOs), Program Outcomes (POs), and Program Specific Outcomes (PSOs) are formulated for each program based on outcome-based education principles. Course objectives and outcomes, aligned with Bloom's taxonomy, are developed for every course. Examination question papers follow Bloom's taxonomy levels such as Remembrance / Knowledge and understanding to discourage rote learning. The achievement of Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) is evaluated using Continuous Internal Assessment (CIA), final examination results, and satisfaction surveys from all stakeholders. Systematic procedures are in place to assess the attainment of PEOs, POs, PSOs, and Course Outcomes (COs). Corrective measures are implemented based on yearly perception of attainment levels.

Research, Innovations and Extension

J.K.K Natraja College of Engineering and Technology, fosters a dynamic research environment with strong connections to Industry, and Consultancy agencies. An approved R&D policy document provides crucial information to faculty and staff regarding R&D objectives, schemes, available resources, and financial benefits. To promote and guide research and consultancy endeavors, the institute has established a Research and Entrepreneurship Development Cell and an Industry Institute Interaction committee. Faculty members share revenue generated from research projects according to a defined revenue-sharing policy. Upholding originality, the institute ensures research integrity through a well-publicized plagiarism policy document.

With 24 functional Memoranda of Understanding (MoU), the institute actively encourages faculty research by providing reimbursement for research publications, access to laboratories, and research facilities. Faculty members are supported in pursuing doctoral work with academic leave, permissions, and financial assistance to attend conferences and Faculty Development Programs (FDP). JKKNCET faculty has contributed significantly, publishing 10 papers in SCOPUS & UGC recognized journals in the year 2022-23.

In addition to research, the institute is deeply involved in community engagement, conducting over 46

extension activities in the last five years, including numerous blood donation camps. The YUVA unit reports over 90% student participation in these activities on average. Yearly, JKKNCET receives awards and recognition from various government and non-government bodies for its contributions, such as extension activities.

Infrastructure and Learning Resources

J.K.K Natraja College of Engineering and Technology (JKKNCET) claims ICT-enabled classrooms, well-equipped laboratories, sports facilities, and excellent infrastructure sprawled over 2.68 acres of lush lawns, beautiful landscapes, aesthetic architecture, and an eco-friendly environment. The classrooms are spacious, well-furnished, adequately ventilated, and illuminated, meeting norms for proper visibility and audibility.

With three seminar halls and one auditorium, each equipped with varying seating capacities and ICT facilities, the college ensures modern teaching environments. Smart TVs are strategically placed for enhanced learning experiences. A total of 310 computers are available for student, faculty, and administrative use. Additionally, all computers are equipped with a 500 Mbps internet connection accessible through both LAN and WiFi connections. The Institute website serves as a comprehensive platform for stakeholders, featuring essential updates, faculty blogs, and other notifications. The institute has excellent facilities for indoor and outdoor games. Google Classroom supports the teaching-learning process, particularly during times when offline follow-up is needed. An extensive E-governance system (ERP-SMS via CAMU) is implemented to facilitate effective communication between students and faculty, ensuring streamlined operations.

Recognizing the importance of e-governance, the institution ensures the library's modernization by incorporating features such as Library Management Software (KOHA), facilitating seamless operations. Additionally, the library offers e-journal subscriptions across various program-specific platforms, enhancing access to scholarly resources. The central library is equipped with reading spaces, reprographic facilities, and a digital library to cater to diverse learning needs.

Membership to DELNET and the National Digital Library of India (NDLI) grants access to e-resources, with the digital library offering remote access to DELNET e-journals.

Strategic CCTV installations monitor campus activities, while the institution's power management department ensures uninterrupted power supply and maintenance of electrical assets. Diesel Generators (250 KVA) and solar power (75 kWP capacity) support power needs. Equipment maintenance, including Diesel Generator Sets, Power Distribution Systems, Elevators, Air-conditioners, Fire-Fighting Equipment, Drinking water, and Solar Panels, is managed by the institutions. Additional facilities such as Cafeteria, Books & Stationery, and Transport services, including 50 buses for students and staff, further enhance the college experience. The Institute ensures sufficient funding for the maintenance and upkeep of its various facilities. Regular assessments of infrastructure and learning resources are conducted by dedicated committees.

Student Support and Progression

J.K.K. Natraja College of Engineering and Technology informs students about scholarships and freeships through the prospectus and circulars, and many benefit from these opportunities. The institution builds capacity and enhances skills among students by organizing various programs. These include soft skills development, language and communication skills, and life skills training such as yoga, physical fitness, health and hygiene,

self-employment, and entrepreneurial skills. Additionally, the institution offers programs to raise awareness of trends in technology, ensuring students stay informed about the latest advancements. These initiatives equip students with essential skills for their personal and professional growth. The institution consistently strives for academic excellence among its students. Its brochure and social media pages feature these efforts, which are categorized into curricular, co-curricular, and extracurricular activities. The Training and Placement Cell, Competitive Examination Center, Alumni Cell, and other support units offer skill development, career counseling, guidance for further education, assistance with competitive exams, and support for placement and entrepreneurship activities. Additionally, students are encouraged to participate in various cultural and sports activities at zonal, state, national, and international levels, with financial assistance provided. The Institution maintains a transparent mechanism for timely addressing stress-related issues and student grievances, including cases of sexual harassment and ragging, through the Counseling Centre, Student Welfare Committee, Internal Complaints Committee, Anti-Ragging Committee, and Grievance Redressal committee. A Mentoring system assigns approximately fifteen students to each faculty member, supplemented by personal counseling from a qualified Student Counselor. This consistent support has led to increased placements and improved average pay packages, as well as enhanced performance in competitive exams, resulting in admissions to Higher Educational Institutions both in India and abroad. The Alumni Association of JKKNCET significantly contributes to institutional development through financial and non-financial initiatives.

Governance, Leadership and Management

The institution has a well-defined organizational structure, with the management committee and governing council overseeing policies executed by the Principal, Vice Principal, Heads of Departments, and various committees. Faculty members participate in governance through the governing council and IQAC. Representatives from faculty, non-teaching staff, and students engage in institution committees for decentralization. E-governance facilitates admissions, finance, accounts, and examinations. The institutional perspective plan is effectively deployed, ensuring efficient functioning of institutional bodies. Welfare measures, including medical leave and financial aid, support faculty growth. Incentives for attending development programs are provided. Professional development programs cater to both teaching and non-teaching staff. A performance appraisal system is in place for faculty and non-teaching staff, alongside defined budgeting and auditing policies. Strategies optimize resource and fund utilization, with regular financial audits. The IQAC ensures quality assurance, leading to enhancements in teaching-learning processes and new course introductions. A strategic plan guides overall development, with regular audits and participation in rankings. ICT is used for examinations, and the IQAC promotes quality initiatives like CBCS and MOOCs. Various audits ensure quality enhancement across academic, financial, and infrastructural domains. Strict financial discipline is maintained through policy-guided fund management and audits. Faculty are supported in attending refresher courses and professional events. Professional development and administrative training programs are organized for staff.

Institutional Values and Best Practices

J.K.K Natraja College of Engineering and Technology upholds excellence, integrity, accountability, empathy, transparency, and equity in all its endeavors. A gender audit is regularly conducted to assess the integration of gender equality within organizations, encompassing their policies and programs. Committed to achieving excellence across every aspect of its operations, the institution adheres strictly to rules, regulations, and

procedures, remaining accountable to both students and stakeholders. Emphasizing equity in gender, cultural, and social inclusivity, it ensures fairness in all its functions.

It prioritizes the safety, security, and counseling needs of women employees and girl students, providing necessary facilities accordingly. The institution implements various sustainability measures through its facilities and initiatives. These include utilizing alternate sources of energy and implementing energy conservation strategies. Additionally, it manages both degradable and non-degradable waste to ensure environmentally responsible practices. Water conservation efforts are carefully implemented to minimize usage and promote sustainability. Furthermore, the institution actively engages in green campus initiatives to reduce its ecological footprint. Lastly, priority is given to maintaining a disabled-friendly, barrier-free environment, ensuring accessibility and inclusivity for all individuals. The institution conducts periodic quality audits to ensure the sustainability and excellence of its operations. These audits include environmental assessments, such as green audits and energy audits, to promote eco-friendly practices and resource efficiency. Furthermore, it extends its environmental promotion and sustainability activities beyond the campus to contribute positively to the surrounding community and ecosystems, thereby enhancing overall environmental stewardship.

The institution has undertaken various activities to foster an inclusive environment, promoting tolerance and harmony among individuals from diverse cultural, regional, linguistic, communal, and socioeconomic backgrounds. These initiatives aim to sensitize students and employees to their constitutional obligations, emphasizing the values, rights, duties, and responsibilities of citizens for fostering mutual respect and understanding.

The institution implements two best practices, namely Innovation 2.0 and OKR (Objective Key Results), to enhance the teaching-learning process, refine project and research ideas, and improve all academic aspects. These practices also streamline workflow processes, contributing to overall efficiency and effectiveness. The institution's distinctiveness is evident across various perspectives, contributing to the enhancement of students, faculty, and institutional growth.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	JKK NATTRAJA COLLEGE OF ENGINEERING AND TECHNOLOGY
Address	JKKN COLLEGE OF ENGINEERING AND TECHNOLOGY, Natarajapuram,NH-544 (Salem To Coimbatore National Highway), Kumarapalayam (TK), Namakkal (DT). Tamil Nadu. 638183.
City	Namaakal
State	Tamil Nadu
Pin	638183
Website	www.engg.jkkn.ac.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	R. Sivakumar	9842-710606	9842710606	-	principaljkkncet@jkkn.ac.in
IQAC / CIQA coordinator	P. Harihara Sakthi Sudhan	9789-298008	8754107398	-	viceprincipalcet@jkkn.ac.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details

State	University name	Document
Tamil Nadu	Anna University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	15-05-2023	12	Nil

Recognitions

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**
Main campus area	JKKN COLLEGE OF ENGINEERING AND TECHNOLOGY, Natarajapuram,NH-544 (Salem To Coimbatore National Highway), Kumarapalayam (TK), Namakkal (DT). Tamil Nadu. 638183.	Rural	5	9290.304

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	**Name of Programme/Course**	**Duration in Months**	**Entry Qualification**	**Medium of Instruction**	**Sanctioned Strength**	**No.of Students Admitted**
UG	BE,Computer Science And Engineering,	48	HSC	English	60	56
UG	BE,Electronics And Communication Engineering,	48	HSC	English	60	36
UG	BTech,Information Technology,	48	HSC	English	60	54
UG	BE,Electrical And Electronics Engineering,	48	HSC	English	60	8
UG	BE,Mechanical Engineering,	48	HSC	English	60	11
PG	ME,Computer Science And Engineering,Computer Science and Engineering	24	UG	English	12	4
PG	MBA,Master Of Business Administration,Business Administration	24	UG	English	60	49

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				**Associate Professor**				**Assistant Professor**			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	19				3				53			
Recruited	18	1	0	19	3	0	0	3	18	35	0	53
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				9
Recruited	4	5	0	9
Yet to Recruit				0

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Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				15
Recruited	6	9	0	15
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	18	1	0	3	0	0	0	0	0	22
M.Phil.	0	0	0	0	0	0	0	9	0	9
PG	0	0	0	0	0	0	18	26	0	44
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers

Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers

Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	**Male**	**Female**	**Others**	**Total**
	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	102	0	0	0	102
	Female	62	1	0	0	63
	Others	0	0	0	0	0
PG	Male	34	0	0	0	34
	Female	19	0	0	0	19
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Category		Year 1	Year 2	Year 3	Year 4
SC	Male	18	23	13	14
	Female	21	32	8	10
	Others	0	0	0	0
ST	Male	2	1	0	3
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	116	103	47	48
	Female	60	48	34	25
	Others	0	0	0	0
General	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Others	Male	0	0	1	1
	Female	1	0	0	0
	Others	0	0	0	0
Total		218	207	103	101

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	JKKNCET places a special emphasis on providing students with the necessary skills and knowledge to become self-reliant and independent. A holistic education approach enables students to reach their full potential, make intelligent decisions and achieve academic excellence. It boosts students' self-confidence so they can face life's challenges confidently and courageously. The college introduces multidisciplinary and interdisciplinary studies to conform with the first pillar of the National Education Policy 2020 "Education for All" and ensures access to quality education. Short-term and vocational courses are established to equip students with the necessary skills and knowledge to become self-sufficient.
2. Academic bank of credits (ABC):	The institution is open to create the digital infrastructure proposed by NEP to store its students' academic credits earned from various higher education institutes within the country. However, before implementation, the institution needs approval from the university. As a student-centred institution, the faculty adopts a constructive, research-based, reflective, collaborative and integrative approach to pedagogy.
3. Skill development:	JKKNCET prioritizes the development of students' skills. Students are given opportunities to organize workshops and seminars to develop technical skills. They participate in corporate internships and job shadowing to develop their entrepreneurial skills. Field trips and visits to industry and local businesses are organized to give students an insight into the corporate world. Team building activities and problem-solving exercises help students develop life skills. JKKNCET encourages students to participate in extracurricular activities to develop their creativity and social skills. Guest speakers are invited to talk to students about their experiences and give them advice on how to develop their skills. Mentorship programs, collaborations and partnerships with numerous organizations help students develop their skills and gain valuable insights from experienced professionals. Access to career guidance and training and internships from each Semester, it helps them identify their strengths and weaknesses and develop a plan for their future. JKKNCET also encourages its students to participate in community service projects

	to develop their leadership and communication skills.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	Drawing upon the rich heritage of Tamil Nadu, known for its ancient and influential literature and art, JKKNCET incorporates a unique paper titled "Heritage of Tamil" into the first semester curriculum. This course aims to cultivate appreciation for the state's enduring legacy among its learners. Additionally, the college offers spoken English and advanced English courses as certification programs, empowering students to enhance their communication skills.
5. Focus on Outcome based education (OBE):	JKKNCET adopted a results-driven educational approach called Outcome-Based Education (OBE) in 2017. This student-centered method emphasizes achieving defined learning outcomes. Following OBE principles, the institute has formulated Program Outcomes (POs), Program Specific Outcomes (PSOs) for undergraduate programs, and Program Educational Objectives (PEOs) along with Course Outcomes (COs) for all programs. PEOs are broad statements outlining graduates' career achievements within 3-5 years of completing their studies. POs are aligned with the Graduate Attributes set by the National Board of Accreditation (NBA), ensuring graduates possess necessary skills and knowledge. PSOs are specific and relevant to each program's unique focus. COs are clear statements for each course, detailing the competencies students will gain by the course's end. JKKNCET prioritizes transparency by publishing POs, PSOs (if applicable), and COs on the college website, syllabus books, course plans, and lab manuals. These are also explained at the beginning of each semester in classes and committee meetings. For further accessibility, prominent displays are placed in classrooms, labs, faculty rooms, and department libraries. Stakeholder engagement is ensured through surveys distributed to faculty, alumni, parents, and employers. Every CO aligns with at least one PO, and its assessment at the end of the course contributes to achieving the mapped PO. The Evaluation Scheme defines and categorizes assessment tools (direct and indirect) used to measure CO attainment.
6. Distance education/online education:	JKKNCET leverages technology to enhance the learning experience. Students have access to a comprehensive collection of study materials and

	lecture notes through the institute website and Google Classrooms. Additionally, JKKNCET promotes innovative teaching methods like flipped classrooms and blended learning.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes, J.K.K Natraja College of Engineering and Technology has established an Electoral Literacy Club (ELC) with the aim of promoting awareness about the 'Right to Vote' among its students, faculty members, and residents of the nearby villages.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Yes, the institute has taken a proactive step by appointing student and faculty members as co-ordinators for the ELC. This functional ELC actively encourages all students to enroll and participate in the ethical voting process.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	The ELC conducted voter awareness camp in the college and in the nearby village. The students were encouraged to enroll for the electoral roll.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	No
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	Voter registration drive was conducted in the J.K.K Natraja College of Engineering and Technology for students above 18 years of age.

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
678	481	505	659	894

File Description	Document
Upload Supporting Document	[View Document](#)
Institutional data in prescribed format	[View Document](#)

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 116

File Description	Document
Upload Supporting Document	[View Document](#)
Institutional data in prescribed format	[View Document](#)

2.2

Number of teaching staff / full time teachers year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
73	71	75	74	81

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
63.82	57.78	80.99	119.60	114.07

File Description	Document
Upload Supporting Document	[View Document](#)

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4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

J.K.K Natraja College of Engineering and Technology, acts in accordance with the curriculum plan by Anna university. The faculty members ensure the responsibility that the implementation of the prescribed curriculum is made.

Curriculum Analysis

Curriculum analysis consists of course plan and execution. It is accomplished through compliance to academic calendar, course allocation, course file preparation, and implementation process.

Adherence to Academic Calendar

The academic calendar is arranged according to the schedule provided by Anna University. It is uploaded in the institute website for the observance of stakeholders. This consists of the working days, external examination dates (tentative), academic and non academic activities, Public and institutional holidays and other information. It serves as a pilot for the yearly activities of the institution.

Conduction of Internal Assessments

Subject Allocation

Faculty members will be asked to choose the subjects they want to teach, and this information will be sent to their HODs, as this ensures better academic outcomes. HOD, then assign subjects based on faculty preferences and expertise.

Time Table

The timetable coordinator in each department prepares the schedule, considering the credits assigned to subjects in the Anna University syllabus and taking into account the academic calendar. Once done, the timetable is shared with faculty and students and posted on department notice boards.

Lesson Plan

All faculty members meticulously prepare their teaching plans using the Academic Calendar and Time Table. The Lesson Plan, which outlines syllabus coverage and proposed dates, along with the Assignment plan, is then submitted for approval to the respective HODs. For laboratory sessions, faculty

members develop lab manuals following the curriculum set by Anna University.

Internal Assessments

Internal assessments and model exams for each department are meticulously planned and circulated in advance by the Principal and HODs. The scheduling process is based on the Academic Calendar to ensure proper date and timing. Faculty members are responsible for evaluating the papers, and the results undergo a thorough review by the Principal, HODs, and faculty members.

Evaluation Process

After the exams, faculty members receive answer scripts and must complete evaluation within three days of the exam's start date. Once graded, students receive their scripts for clarification. Then, the evaluated scripts are submitted to the department's exam cell, and marks are recorded in the exam cell system.

Class Committee Meeting

The class committee includes students from various categories such as fast learners, slow learners, senior faculty, class-handling faculty, and tutors. The HoD and the Principal may also attend the meetings to discuss students' academic progress and necessary improvements in teaching and learning practices. The committee report is discussed during department meetings, and remedial action is taken by the HOD based on the findings.

Mentoring

Each faculty member is designated as a mentor to a group of 15 students. The mentors conduct counseling sessions with assigned mentees on a regular basis, offering guidance and support to assist students in reaching their objectives. The mentoring initiative is designed to cultivate and enhance the capabilities of each student, nurturing both personal and academic development.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

1.2 Academic Flexibility

1.2.1

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Response: 105

File Description	Document
List of students and the attendance sheet for the above mentioned programs	[View Document](#)
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Evidence of course completion, like course completion certificate etc. Apart from the above:	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

1.2.2

Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

Response: 75.63

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
405	428	289	561	750

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

1.3 Curriculum Enrichment

1.3.1

Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum

Response:

Professional Ethics and Human Values

To foster professional ethics and human values among engineering students, Anna University offers elective courses within the curriculum. These skills-oriented subjects aid students in grasping and cultivating ethical and human values, making them valuable assets in both society and the workplace with their diligent performances. While these courses are part of the curriculum, the institute takes significant measures to incorporate moral and human value-based topics, conducting various skill development programs through the placement cell to enhance and refine students personality traits.

These professional courses enable students to grasp the societal pulse and contribute by seeking solutions to social issues, serving as role models for engineering graduates. Additionally, besides the curriculum, industrial visits are organized for all departments to imbue industry practices and work culture. Students are also encouraged to pursue internships during vacations and working days (if necessary) to gain exposure to the professional environment.

Gender Equality

J.K.K Natraja College of Engineering and Technology, initiated a Grievance and redressal Cell to enhance a nurturing working ambience for all our female Faculty, Students, and Staff. This committee organized diverse awareness initiatives and fosters a gender-conscious setting within our campus. Annually, the institute marks International Women's Day with vibrant involvement from both students and faculty members. Periodically, the institution conducts women empowerment programs for female students and faculty members, aimed at enhancing their empowerment and fostering their growth and success.

Environment and Sustainability

In Anna University's curriculum, Environmental Studies is a compulsory interdisciplinary course for all UG programs. It educates students about the natural environment and equips them to tackle pressing environmental issues. Additionally, elective courses cover topics such as Environmental Science and Engineering and Renewable Energy Sources to raise awareness among students.

J.K.K Natraja College of Engineering and Technology, through its YUVA Committee, conducts various programs to instill social consciousness and leadership skills in students, exposing them to diverse lifestyles. Furthermore, the institute celebrates Tree Plantation Day to highlight the significance of tree planting in sustaining our environment.

Swacch Bharat Abhiyan and Unnat Bharat Abhiyan

The Institution has an active Swacch Bharat Abhiyan and Unnat Bharat Abhiyan initiative that encourages student participation in programs such as tree plantation, raising awareness about renewable energy, water conservation, and electricity conservation. Additionally, the institute organizes events on environmental awareness and conducts an Annual Energy Conservation Week to emphasize the importance of environmental preservation.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)	

1.3.2

Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 77.29

1.3.2.1 **Number of students undertaking project work/field work / internships**

Response: 524

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

1.4 Feedback System

1.4.1

Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website

Response: A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	[View Document](#)
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	[View Document](#)
Action taken report on the feedback analysis	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 38.47

2.1.1.1 **Number of seats filled year wise during last five years (Only first year admissions to be considered)**

2022-23	2021-22	2020-21	2019-20	2018-19
200	155	75	152	152

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
372	384	384	384	384

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Final admission list as published by the HEI and endorsed by the competent authority	[View Document](#)
Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

2.1.2

Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

Response: 55.02

2.1.2.1 **Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)**

2022-23	2021-22	2020-21	2019-20	2018-19
200	155	75	152	152

2.1.2.2 **Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
262	268	268	268	268

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	[View Document](#)
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

2.2 Student Teacher Ratio

2.2.1

Student – Full time Teacher Ratio
(Data for the latest completed academic year)

Response: 9.29

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 and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

To enhance learning experiences, faculty members use various methods, such as lectures, interactive sessions, projects, fieldwork, computer-assisted learning, and experiments. Faculty members widely use ICT in classroom teaching to enhance students' understanding. Additionally, they employ traditional blackboard teaching methods when necessary, particularly for analytical subjects, circuit papers, and programming types of papers.

The institute's motto is to blend traditional and modern teaching methods, fostering knowledge acquisition and employability skills. Embracing a student-centric approach, the institute promotes active participation in experiential and participatory learning, and problem-solving skills. Student feedback on courses and instructors is collected each semester for prompt improvements.

Some student-centric methods are listed below:

Project methods

Project work stimulates students' interest in the subject and provides opportunities for freedom of thought and the free exchange of diverse views. As required by the syllabus, projects are undertaken, particularly in UG & PG classes.

Interactive methods

Faculty members enhance interactivity in learning by encouraging student participation in group discussions, role-plays, subject quizzes and Q&A sessions on subjects, current affairs. These interactive classroom discussions are a regular feature.

ICT Enabled Teaching

ICT-enabled teaching encompasses Wi-Fi-enabled classrooms equipped with LED TV screens, language labs, and smart classrooms. The institution employs modern pedagogy to enhance the teaching-learning process and provides essential equipment to support faculty members and students.

Experiential Learning

The experimental/laboratory method is employed in all engineering subjects to provide students with firsthand experience. Students confirm the facts and principles of the subject through experiments. This approach is utilized by all departments, engaging students and enhancing their understanding of the concepts through experiential learning.

Student Seminars

Student seminars are organized where students present papers on contemporary topics to enrich their learning experience.

Participative Learning

Quiz competitions, debates, and discussions are organized regularly to showcase the academic talents of

students.

Speak Up (Role play) activity focuses on improving students' public speaking confidence through training in communicative English and body language.

Peer Tutorship program facilitates students in both learning and teaching roles.

Students take the lead in organizing Student led Conferences, Unconferences and DISE (Driven by innovation solutions and Experiences) on various topics, enriching their learning experiences.

Problem-Solving Methodologies

Students use design thinking concepts across all subjects to analyze the stages of design thinking and explore detailed concepts. Additionally, they apply critical thinking concepts, while faculty members employ the case study approach to foster logical reasoning and practical problem-solving skills. Exam papers are carefully crafted to stimulate analytical thinking, reasoning, and scenario-based problem-solving. Furthermore, the provision of free internet access in the library and Wi-Fi connectivity on campus promotes self-directed study.

Social Responsibility and Overall Development

In addition to academic pursuits, our college places great emphasis on nurturing socially responsible citizens. Students are encouraged to actively participate in activities organized by the YUVA, such as blood donation camps, entrepreneurship cells, women empowerment clubs, and various technical club activities. By engaging in these initiatives with equal enthusiasm, students develop their overall personality and contribute positively to society.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

2.4 Teacher Profile and Quality

2.4.1

Percentage of full-time teachers against sanctioned posts during the last five years

Response: 97.4

2.4.1.1 **Number of sanctioned posts year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
75	73	77	76	83

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

2.4.2

Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)

Response: 28.88

2.4.2.1 **Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
22	22	22	22	20

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	[View Document](#)
Institution data in the prescribed format	[View Document](#)
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awareded by UGC recognized universities	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1

Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

The Institution follows a transparent and thorough evaluation system. Students in their respective courses are continuously assessed using various evaluation methods. Department heads regularly conduct the meetings with faculty members to ensure effective evaluation processes. Unit tests, assignments, and projects are utilized for comprehensive assessment. Internal assessment tests are conducted periodically in accordance with the academic schedule.

Internal Assessment Test / Model Examination

The schedule for internal exams is communicated well in advance through notice boards. Students receive feedback on their performance, and if necessary, parents are also notified. Those who receive low marks are counseled and encouraged to meet with the respective Head of the Department. Parents of students with poor academic performance or behavioral issues are advised to consult with student counselors. This ensures transparency and reliability in the internal evaluation process. Additionally, regular class committee meetings are held to address academic and non-academic concerns promptly for the overall improvement of students.

Process for conducting University Practical and Viva Voce Examinations

To be eligible for university practical and theoretical exams, students must maintain a minimum attendance of 75%. Attendance below 65% will result in students being barred from appearing for these exams. Students with attendance between 65% to 74% may be permitted under genuine medical grounds, provided the medical certificate is verified and approved by the institute's head. Practical exams are conducted in batches, with question papers jointly prepared by internal and external examiners. Evaluation is carried out by either internal or external examiners, with grades awarded accordingly. Additionally, project viva voce is conducted by both external and internal examiners in accordance with university regulations.

University Examinations

To facilitate the Anna University Theory Examination as mandated by the university, responsibilities such as invigilation duties, seating arrangements in the hall, and distribution of hall tickets are managed by the Exam Cell. The Chief Superintendent oversees the delivery of sealed covers to the Zonal Office through the University Representative.

Students Grievances

If students believe that the grade they received is inappropriate after the university announces the results, they can request reprints. Within a specified timeframe, students will receive a photocopy of their evaluated answer sheets from the university. If students remain dissatisfied with their grade after reviewing the photocopies, they may request reassessment. This application is then forwarded to the University for further consideration. Additionally, students have the option to request a challenge valuation even after the revaluation if they are still unhappy with the outcome. The Controller of Examinations (COE) of Anna University addresses complaints regarding Anna University Examinations, including requests for photocopies, revaluation, and result reviews.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

2.6 Student Performance and Learning Outcomes

2.6.1

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website

Response:

The institute offers five undergraduate courses: Information Technology, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, and Mechanical Engineering, along with two postgraduate courses in Computer Science and Engineering and Master of Business Administration (MBA). Academic progress aligns with Anna University, Chennai, following its prescribed curriculum and syllabus.

Each department has defined Program Specific Outcomes (PSOs), Course Outcomes (COs), and Program Outcomes (POs) in accordance with its vision, mission, and Bloom's Taxonomy educational goals. COs provide clear statements describing the basics of engineering, enduring discipline-specific knowledge, required abilities, and expected learning outcomes at the end of each course. These COs, provided by the university, typically consist of five to six outcomes per course, which are explicitly communicated, discussed, and approved in meetings. The entire syllabus, learning objectives, and assessment schedules for each course are also distributed to the students.

To ensure students acquire necessary skills, emphasis is placed on job-oriented, skill-oriented, and entrepreneurship-oriented training courses. Special attention is given to skill development, enabling students to meet industry demands and pursue entrepreneurial ventures.

PO, PSO

The college specifies the Programme Outcomes (POs), Program-Specific Outcomes (PSOs), and Course Outcomes (COs) for each program, making them available on its website and ensuring communication to both instructors and students. POs and PSOs are prominently displayed throughout the campus, benefiting professors, students, and the general public. Additionally, they are shared with students, alumni, and industries through feedback and survey forms, facilitating continuous improvement.

The Head of Department (HOD), faculty members, class advisors, mentors and course coordinators play a vital role in informing, creating awareness, and emphasizing the importance of achieving these outcomes among students. Their concerted efforts contribute to ensuring that students are well-prepared to meet the desired educational goals and industry requirements.

Attainment of POs

Program Outcomes (POs) encompass the overarching achievements that a program aims to accomplish and that students are expected to demonstrate upon completion of the program. These POs encompass a diverse range of interconnected knowledge, skills, and personal attributes that students are required to acquire before graduating. On the other hand, Program-Specific Outcomes (PSOs) delineate the specific requirements and accomplishments that each student must attain at a micro level by the conclusion of the course.

The Program Educational Objectives (PEOs) are further categorized into three domains: intellectual, social, and moral values. Moreover, skills and performance indicators for each educational goal of the program are established, involving various stakeholders in the system. This comprehensive approach results in the development of a broad spectrum of competencies and performance indicators at the course level.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

CO-PO Attainment

The Continuous Internal Assessment (CIA) process is a critical component of the academic evaluation system, designed to measure the attainment of Course Outcomes (COs) and ensure alignment with Program Outcomes (POs). According to Regulation 2021, the CIA is conducted in two phases during the semester, with distinct assessment methodologies and attainment analysis to ensure comprehensive evaluation and continuous improvement.

Continuous Internal Assessment (CIA) Structure

CIA 1

Coverage: CO1 and CO2
Assessment Tools:

1. Assignment

2. Tutorial

CIA 1 focuses on assessing students' understanding and skills related to CO1 and CO2. An assignment and a tutorial are employed as assessment tools, with marks distributed based on the complexity and weightage of the questions. This dual approach ensures that students are evaluated through both written and practical exercises.

CIA 2

Coverage: CO3, CO4, and CO5
Assessment Tools:

1. Assignment

2. Lab Component

CIA 2 assesses CO3, CO4, and CO5 through an assignment and a lab component. This combination allows for a thorough evaluation of theoretical knowledge and practical application. Marks are distributed equitably to reflect the significance of each assessment tool.

Assessment and Mark Distribution

For CIA 1:

- Assignment: 50% of the total CIA 1 marks.

- Tutorial: 50% of the total CIA 1 marks.

For CIA 2:

- Assignment: 50% of the total CIA 2 marks.

- Lab Component: 50% of the total CIA 2 marks.

Marks for each CO are distributed based on the difficulty and importance of the questions, ensuring a balanced assessment that accurately reflects student performance.

Attainment Analysis

1. **Threshold Values:**

    ◦ For theory papers, a threshold value of 75% and above is established.

    ◦ For problem-solving papers, the threshold value is set at 65% and above.

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2. **Scale of Attainment:**

  ○ A scale of 3 is used to measure CO attainment.

  ○ If the actual attainment value exceeds the target value, the CO is considered attained (Scale: 3, Corrective Action: Nil).

  ○ If the CO is not attained, corrective actions must be taken to address the shortfall.

University Grade Level Analysis

The analysis further considers the university grade level on a scale of 3. If the actual attainment falls short of the target, corrective measures are necessary to enhance CO attainment, ensuring continuous improvement in student learning outcomes.

Course Articulation Matrix

The Course Articulation Matrix maps COs to POs (PO1 to PO12), providing a visual representation of the alignment. This matrix is auto-calculated with the following scale:

  • **Value 3:** Strongly agreed

  • **Value 2:** Agreed

  • **Value 1:** Weak

This matrix helps in identifying the strength of the relationship between COs and POs, facilitating targeted improvements.

Indirect Survey

An indirect survey is conducted to gather feedback from students regarding the attainment of COs. This feedback is instrumental in validating the CO-PO mapping and identifying areas for improvement. The survey results contribute to the overall assessment process, ensuring that student perspectives are considered in the evaluation.

Summary

The CO-PO attainment process under Regulation 2021 provides a structured and systematic approach to evaluating student performance.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

2.6.3

Pass percentage of Students during last five years (excluding backlog students)

Response: 62.76

2.6.3.1 **Number of final year students who passed the university examination year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
126	104	132	107	195

2.6.3.2 **Number of final year students who appeared for the university examination year-wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
183	139	165	229	342

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	[View Document](#)
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response: 3.98

File Description	Document
Upload database of all students on roll as per data template	<u>View Document</u>

Criterion 3 - 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 last five years (INR in Lakhs)

Response: 16.93

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

2022-23	2021-22	2020-21	2019-20	2018-19
4.85574	3.93332	3.69878	3.32984	1.11726

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.2 Innovation Ecosystem

3.2.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS),including awareness   about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Response:

The institution has a dedicated framework to stand out in supporting and enhancing innovations and has fostered an environment conducive to the transfer of knowledge.

Incubation Center

"Nattraja Incubation Forum (NIF), also known as NLB Nattraja Launchpad for Bioconvergence, is India's pioneering incubation center dedicated to the field of bioconvergence. Affectionately referred to as the NLB Nattraja Launchpad, NIF, within the esteemed JKKN Group Institution, is the nation's first incubation center committed to healthcare innovation.

Institution's Innovation Council

The Institution Innovation Council, supported by the Ministry of Education (MoE)-Innovation Cell (MIC), has been established to engage a large number of faculty and students in various pioneering activities related to entrepreneurship, innovation, and intellectual property rights (IPR). These activities include Leadership Talks Series, problem-solving, prototype competitions, Design thinking, IPR, and project handling and management at the pre-incubation and incubation stages.

Research and Development cell

The Research and Development Cell on campus empowers and assists faculty members in exploring research opportunities. Capacity-building programs, seminars, and conferences are organized to foster a research culture among both faculty and students. The cell provides strong support through financial assistance and grants leave for faculty to engage in activities such as paper presentations, publications, national / international conferences and webinars. Its goal is to cultivate a passion for research among faculty members and inspire them to integrate research outcomes into student learning experiences.

Bridging the Industry-Institute Gap

Our Institutions aim to bridge the industry-institute gap by fostering collaboration and knowledge sharing. MSME, CODISSIA promotes and supports untapped creativity and to promote adoption of latest technologies in the institution.The institution has entered into Memoranda of Understanding (MOUs) with non-governmental agencies to facilitate awareness sessions that help students excel in a competitive environment. Through these partnerships, we have conducted 24 activities aimed at student enhancement.

Entrepreneurship Development Cell

Entrepreneurship Development Cell (EDC) promotes entrepreneurship and innovation within the institution. To foster an entrepreneurial culture within the institution, we have conducted approximately 12 programs over the past six years, including Entrepreneurship Awareness Camps (EAC) and Technology-Based Entrepreneurship Development Programs (TEDP). Through partnerships with organizations like the ICTACT, CII offers Skill development, Entrepreneurship development, Youth Empowerment, Digital empowerment, Industry Institute interaction, Excellence for Innovation, Entrepreneurship and Start-ups training programs.

In the 2018-19 academic year, we received a fund of 20,000 from EDI/DST-NIMAT to conduct an Entrepreneurship Awareness Camp for students and faculty members.

In the 2019-20 academic year, we received a fund of 40,000 from EDI/DST-NIMAT to conduct an Entrepreneurship Awareness Camp for students and faculty members.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.2.2

Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 79

3.2.2.1 **Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
16	15	13	16	19

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.3 Research Publications and Awards

3.3.1

Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 0.7

3.3.1.1 **Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
25	18	20	11	7

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	[View Document](#)
Link to re-directing to journal source-cite website in case of digital journals	[View Document](#)
Links to the papers published in journals listed in UGC CARE list or	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

3.3.2

Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.28

3.3.2.1 **Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
11	8	0	7	6

File Description	Document
List of chapter/book along with the links redirecting to the source website	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

3.4 Extension Activities

3.4.1

Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

Response:

J.K.K Natraja College of Engineering and Technology is wholeheartedly committed to creating a generation with good social and political values, alongside preparing them for successful careers. The objectives are consistently upheld by valuing humanitarian concerns. Below are some of the most notable extension activities conducted in the neighborhood.

As part of the Unnat Bharat Abhiyan (UBA) scheme, ten villages were adopted: Thattankuttai, Manickampallayam, Elanthkuttai, Kaliyanur, Avanthipallayam, Kuppandapallayam, Malapalayam, Amman Nagar, Samayasangali, and Govindampallayam. Survey camps, tree plantations, and medical camps were held for the benefit of the villagers. Over the last five years, 26 programs have been conducted in these villages, through which many school students and the general public have gained awareness and benefited from these activities. Through these schemes of UBA and Swachh Bharat Mission, the institution participates in a variety of projects, such as regular eye camps and medical camps for the adopted communities as well as on campus for the benefit of society.

Extension and Outreach Programs

JKKNCET organized 46 extension and outreach programs over the last five years (2018-19 to 2022-23), in collaboration with YUVA, raising awareness about social issues. Under the YUVA government scheme, the institution is making progress in its extension activities. Initiatives covered environmental sustainability, health and hygiene, and community development. Through cleanliness drives, blood donation camps, and educational campaigns, students developed empathy, social responsibility, and essential life skills. These programs contributed to societal betterment while nurturing well-rounded individuals. A blood donation program is held annually in collaboration with government hospitals.Approximately 200 to 300 students and faculty members used to donate blood as a result of these camps every year.

Covid Vaccination Camps

In collaboration with the Urban Primary Health Centre-Komarapalayam, JKKNCET organized three Covid Vaccination Camps. These camps provided easy access to vaccines for students, parents, teaching and non teaching faculty members of our institution and local residents. Benefitting over 600 individuals, the initiative contributed to ongoing efforts to curb the pandemic. The institution's active participation in vaccination drives highlighted its commitment to the community's well-being and raised awareness about the importance of immunization in fighting Covid-19.

We have conducted numerous awareness programs on topics such as anti-tobacco, de-addiction, cancer, and dengue prevention. Additionally, we periodically visit orphanages and old age homes in and around Komarapalayam, providing clothes collected from our students, along with notebooks, accessories, stationery, and other essentials. The management has provided medical equipment to government hospitals to improve children's care.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

3.4.2

Awards and recognitions received for extension activities from government / government recognised bodies

Response:

Total number of awards and recognitions received for extension activities from Government/ recognized bodies year-wise during the last five years - 15.

The details of the Awards are given below:

1. Appreciation for the conduction of Awareness Campaign on Beggar Free India in the academic year of 2018-19, Around Railway Station in Erode in collaboration with Atchayam trust.
2. Appreciation for the conduction of Tree plantation and Cleaning Village in the academic year of 2018-19 at Thangapalayam Village, Anthiyur.
3. Appreciation for the conduction of Dengue Awareness Program in the academic year of 2018-19 at Karattupalayam Village, Anthiyur.
4. Appreciation for the conduction of Water Conservation Program in the academic year of 2019-20 at Chinnathambi Palayam Village, Anthiyur.
5. Appreciation for the conduction of Awareness Campaign on Beggar Free India in the academic year of 2021-22, Around Komarapalayam GH in collaboration with Atchayam trust.
6. Appreciation for the Active participation in the following service

- Distribution of Stationery to the children
- Providing medical Necessities
- Providing Snacks
- Fruits and food
- Donating Cloths in the academic year of 2021-22 at Nagallur Village, Anthiyur.

7. Appreciation for the conduction of Mask Donation to Public-Covid-19Awareness Program in the academic year of 2021-22 at Chinnathambipalayam Village, Anthiyur.
8. Appreciation for the conduction of Plastic Free Environment Awareness program in the academic year of 2022-23, at Government Middle School, Sankari, Salem-Dt.
9. Appreciation for the conduction of Awareness Campaign on Beggar Free India in the academic year of 2022-23, at Pallakkapalayam in collaboration with Atchayam trust.
10. Appreciation for the conduction of Environmental Pollution Awareness program in the academic year of 2022-23, at Government Middle School, Sankari, Salem-Dt.
11. Appreciation for the conduction of Plastic Free Environment Awareness program in the academic year of 2022-23, at Government Higher Secondary School, Chithode, Erode- Dt.

12. Appreciation for the conduction of Environmental Awareness program in the academic year of

2022-23, at Government Middle School, Sankari, Salem-Dt.

13. Appreciation for the conduction of Awareness Campaign on Beggar Free India in the academic year of 2022-23, around Solar Erode in collaboration with Atchayam trust.

14. Appreciation for the conduction of Health and Hygienic Awareness Session in the academic year of 2022-23, at Government Boys Higher Secondary School, Tiruchengode, Namakkal-Dt.

15. Appreciation for the conduction of Awareness Session on AI tools in Education and Innovation in the academic year of 2022-23, at Government Boys Higher Secondary School, Tiruchengode, Namakkal-Dt.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

3.4.3

Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

Response: 37

3.4.3.1 **Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
6	4	6	12	9

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

3.5 Collaboration

3.5.1

Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 12

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	[View Document](#)
List of year wise activities and exchange should be provided	[View Document](#)
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

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Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The Institution has adequate infrastructure and other facilities for,

- **teaching – learning, viz., classrooms, laboratories, computing equipment etc**
- **ICT – enabled facilities such as smart class, LMS etc.**

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

Response:

J.K.K Natraja College of Engineering and Technology established in 2008 and has consistently prioritized providing comprehensive facilities. These facilities are utilized to foster innovation, cultivate teamwork, and equip students with the skills to tackle global challenges, enabling them to become valuable members of modern society. The college firmly believes that adequate infrastructure will offer ample opportunities for both faculty and students to develop academically.

Furthermore, the facilities exceed the requirements set by AICTE and Anna University. Being affiliated with Anna University, all courses and academic programs at JKKNCET are well-structured, taking into account input from the college, industry stakeholders, and other relevant parties. The curriculum is designed based on the needs of various industries, current advancements in science, engineering, and technology, as well as the specific requirements of society.

Academic Facilities

The instructional facilities at J.K.K Natraja College of Engineering and Technology, including classrooms, laboratories, library, seminar halls, auditorium, and computer centers are abundant. All laboratories are equipped with state-of-the-art equipment. The institution's computing facilities meet the needs of both faculty and students, facilitating an effective teaching-learning process. The main library spans a significant area and accommodates a large number of students. Additionally, the digital library is equipped with personal computers connected to Wi-Fi and LAN, enabling fast internet access for streaming lectures and utilizing e-resources. The classrooms are spacious and well-ventilated, with modern amenities such as Smart TVs and internet-enabled JIO books. The college also boasts well-equipped laboratories, seminar halls, auditorium, departmental libraries, reading rooms, and a main library.

Additional Infrastructure

The institution has generators with capacities of 60 KVA, ensuring uninterrupted power supply. Additionally, there is 24-hour internet access with a bandwidth of 500 Mbps. Medical aid, including ambulance services, is available on campus. Transportation facilities, a RO plant for clean drinking water, a hygienic canteen, reprography facilities, sewage treatment, as well as well-maintained hostel and mess facilities, are all provided.

Sports and Other facilities

Sports activities, yoga training, and gym facilities are well maintained to promote the mental and physical well-being of the students. The college boasts excellent infrastructure for sports (Indoor & Outdoor games) and offers professional coaching to enhance students' athletic abilities. J.K.K Natraja College of Engineering and Technology provides necessary facilities to encourage students to actively participate in both indoor and outdoor games.

Cultural activities

The institution provides ample opportunities for students to showcase their talents in dance, music, art, and mime through the Fine Arts club's organized events, promoting relaxation and leisure. The college's infrastructure, including a seminar hall of 530 square meters with seating for 200 individuals in the main block, facilitates the professional organization of these events.

Gym and Fitness center

In addition to the aforementioned sports facilities, a gymnasium is available at the indoor stadium for students to maintain their health and fitness. This fosters student confidence and determination as they develop skills and improve their fitness levels.

Yoga center

A sound mind rests in a sound body is the motto of the Fitness Club and Yoga Center.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.1.2

Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

Response: 0.04

4.1.2.1 **Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
0.09	0.007	00	00	0.056

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

4.2 Library as a Learning Resource

4.2.1

Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students

Response:

The institute library is well-equipped and spacious, housing an extensive collection of books, national and international journals, periodicals, and magazines, accessible in both print and electronic versions. To enrich its resources, the institution has invested in acquiring a diverse selection of books in both print and online formats. The library provides textbooks for borrowing and reference, along with competitive examination materials and general knowledge resources. Additionally, it offers a variety of fiction books in English, contributing to the holistic development of students' personalities.

The central library is equipped with various sections including reference, circulation, periodical, reprographic, and newspaper sections, along with a discussion room, stacking area, and digital library. All activities in the library are automated to provide efficient services to users, facilitated by the Modernlib software. This software manages housekeeping operations such as issue, return, renewal, reservation, and cataloging, as well as information retrieval processes. The library has been fully automatic since 2022 and currently utilizes Modernlib as its Integrated Library Management System (ILMS) accessible at https://jkkncet.webopac.ac.in Operating hours for the central library are Monday to Saturday from 08:30 am to 06:00 pm. The reading room has a capacity for 90 students. Library OPAC (Online Public Access Catalogue) can be accessed through the internet, allowing users to access the catalogue from anywhere at any time.

The library houses a collection of 26,505 books, 500 print journals, 19580 e-books, and 6533 e-journals, 25 magazines, 150 non book materials, 511 student projects and 600 university question banks along with daily newspapers. All books are barcoded, and barcode laser scanners are used at the circulation counter for book transactions. Each student is issued 3 textbooks on a renewal basis for a borrowing period of 35 days. Security measures include constant checking and strict surveillance via CCTV

cameras to ensure the safety of library resources and maintain prompt entry-exit times.

Furthermore, the college central library holds institutional memberships with prestigious libraries such as DELNET and the national digital library for e-resources and e-journals, providing dedicated internet facilities connected to computers in the library.

Digital Library

The digital library, designed for the convenience of students and faculty, offers a wealth of resources including NPTEL video lectures by professors from esteemed institutions like IITs and NITs, PowerPoint presentations, course materials, e-journals, eBooks, GATE books, handbooks, projects, PDF notes, and instructional guides. faculty and students have direct access to online journals, providing opportunities to stay updated on the latest research and advancements in various fields.

Library Automation - Software details

- Name of ILMS Software: Koha

- Nature of Automation: Fully Automatic with Barcode

- Year of Automation: 2022

Facilities:

The library operates under an open access system, fully computerized for book issuance, search, and return processes. All books are equipped with barcodes, and barcode scanners facilitate transactions at the circulation counter.

The use of barcode scanners simplifies book and journal searches, renewals, and organization. Additionally, the library is equipped with internet connectivity, providing access to e-books, journals, and other cutting-edge technological resources at speeds of 500 Mbps.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words

Response:

J.K.K Natraja College of Engineering and Technology offers outstanding IT facilities for both students and faculty. There are 310 computer systems available, all equipped with LAN connections. These computers feature high configuration, boasting HP, DELL & LENOVO computers with 8 GB RAM and 500 GB SSD. Additionally, the college maintains two servers in the server room to ensure network connectivity across the campus. A dedicated System Administrator is employed to oversee the maintenance and support of the ICT infrastructure. The System Admin diligently monitors LAN and network connections to ensure optimal performance. Access to desktop systems is provided to both faculty and students, enabling them to utilize computer resources for academic projects, practical sessions, and learning purposes.

Wi-Fi and Internet

Internet facility at J.K.K Natraja College of Engineering and Technology is provided through Rainbow Communication India pvt ltd services, offering a bandwidth of 500 Mbps. The computers across different blocks are interconnected via LAN switches. The entire campus, including the Hostel, is equipped with multiple Wi-Fi access points, facilitating access to educational resources through both internet and intranet services.

E-Services

The E-Governances (CAMU) system serves as an efficient Learning Management System for students at J.K.K Natraja College of Engineering and Technology, aiding in the learning process and ensuring proper attendance tracking. Each faculty member and student is provided with a unique email ID within the college domain for communication purposes.

The Institution website serves as a centralized platform for stakeholders to access essential information, with faculty regularly updating it with technological advancements. Additionally, Google Classroom was utilized for teaching and learning activities during the lockdown period. Training programs are conducted periodically to enhance the programming skills of both students and faculty. Telecommunication applications such as Google Meet, Zoom, and MS Teams are utilized for organizing webinars and alumni talk series in a collaborative and comprehensive manner.

Updating the IT facilities

In response to increased student enrollment, J.K.K Natraja College of Engineering and Technology has expanded the number of systems in all laboratories, offering a total of 268 computers for student utilization. Adhering to AICTE standards, a student-to-computer ratio of 2.45:1 is maintained. High-performance systems are provided for research and project work, equipped with requisite software and hardware devices. Additionally, students are encouraged to utilize systems with internet access in the college central library to explore and learn advanced technologies.

Power Backup and Campus Surveillance

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Continuous power supply (550 KVA) is ensured in laboratories, library, seminar halls, and staff rooms through Uninterrupted Power Supply (UPS) systems. CCTV cameras are strategically installed to monitor campus activities and maintain a safe environment for students, free from ragging.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.3.2

Student – Computer ratio (Data for the latest completed academic year)

Response: 2.53

4.3.2.1 **Number of computers available for students usage during the latest completed academic year:**

Response: 268

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	[View Document](#)
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1

Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)

Response: 6.92

4.4.1.1 **Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
1.60	3.17	2.95	10.88	11.6

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years

Response: 89.56

5.1.1.1 **Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
615	440	439	603	784

File Description	Document
Year-wise list of beneficiary students in each scheme duly signed by the competent authority.	[View Document](#)
Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).	[View Document](#)
Upload policy document of the HEI for award of scholarship and freeships.	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

5.1.2

Following capacity development and skills enhancement activities are organised for improving students' capability

1. *Soft skills*
2. *Language and communication skills*
3. *Life skills (Yoga, physical fitness, health and hygiene)*
4. *ICT/computing skills*

Response: A. All of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	[View Document](#)
Report with photographs on ICT/computing skills enhancement programs	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

5.1.3

Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 91.92

5.1.3.1 **Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
621	428	452	632	824

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.1.4

The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases

1. **Implementation of guidelines of statutory/regulatory bodies**
2. **Organisation wide awareness and undertakings on policies with zero tolerance**
3. **Mechanisms for submission of online/offline students' grievances**
4. **Timely redressal of the grievances through appropriate committees**

Response: B. 3 of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	[View Document](#)
Proof related to Mechanisms for submission of online/offline students' grievances	[View Document](#)
Proof for Implementation of guidelines of statutory/regulatory bodies	[View Document](#)
Details of statutory/regulatory Committees (to be notified in institutional website also)	[View Document](#)
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

5.2 Student Progression

5.2.1

Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 51.51

5.2.1.1 **Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
60	61	52	72	97

5.2.1.2 **Number of outgoing students year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
126	104	132	107	195

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	[View Document](#)
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

5.2.2

Percentage of students qualifying in state/national/ international level examinations during the last five years

Response: 0.31

5.2.2.1 **Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)**

2022-23	2021-22	2020-21	2019-20	2018-19
0	1	0	0	0

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

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 last five years

Response: 3

5.3.1.1 *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 wise during the last five years*

2022-23	2021-22	2020-21	2019-20	2018-19
0	0	0	3	0

File Description	Document
Upload supporting document	[View Document](#)
list and links to e-copies of award letters and certificates	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

5.3.2

Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 12

5.3.2.1 **Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
15	15	0	15	15

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

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

Response:

The J.K.K Natraja College of Engineering and Technology Alumni Association was established in 2015, with its registration formalized in 2023. Since its inception, alumni have played a pivotal role in the institution's development, fostering strong ties with both industry and former students. The association's primary objective is to enlist all graduates as members and actively engage them in the institution's events, activities, and projects. Through collaborative efforts, the Alumni Association seeks to bridge connections between alumni and the institution, working together to support its vision and create value for all stakeholders.

Regular alumni gatherings, webinars, seminars, and insights foster ongoing interaction between alumni and the institute. The association also fosters alumni networks and maintains ties with industry professionals. An annual alumni meet, supported by the management, provides a platform for alumni to share insights and suggestions, promoting professional awareness among current students. Through such events, alumni can connect with peers, reminisce about past experiences, and offer valuable guidance to both faculty and students.

The following actions were accomplished with the help of alumni.

Curriculum Enhancement: Alumni contribute to identifying gaps in the curriculum and developing additional course modules to enhance learning. They regularly participate in technical webinars to stay updated on industry advancements.

Interactive Sessions: The alumni association organizes engaging sessions to inspire current students about career opportunities and studying abroad. They share valuable insights on social platforms.

Industry Connections: Alumni play a crucial role in establishing partnerships with industries. Entrepreneurial alumni arrange industrial visits and offer guidance on starting a business, empowering students to become job creators. They also assist in arranging internships for students.

Research and Consultancy: Alumni encourage students and association members to engage in research and consulting projects in various technical fields. They support departments by connecting them with entrepreneurs for consultancy work.

Mentorship: Alumni actively participate in mentoring students in their areas of expertise, utilizing their

rich experiences for the institution's benefit. They help students find suitable employment opportunities.

Placements/References: The alumni network serves as a valuable resource for student placements. Alumni provide referrals and assist students in securing positions within their organizations.

Administration: Alumni contribute to the Institutional Quality Assurance Cell (IQAC) by offering feedback to ensure a quality education system aligned with industry trends and requirements.

Alumni Support for Economically Weaker Students: Alumni actively contribute to supporting economically disadvantaged students in their studies, providing financial assistance and mentorship to ensure their academic success.

New Start-up Support and Business Incubation: Entrepreneurial alumni offer invaluable support to aspiring students and start-ups, providing guidance, mentorship, and resources for business incubation. They facilitate networking opportunities and offer insights into navigating the entrepreneurial landscape.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.

Response:

The vision of the institution is to become a leading global innovative solutions provider and the college strives to be an embodiment of Excellency by effectively providing its students high standards of education and rigorous training. To be the focal point of affordable world class education with the motto of multifaceted developmental centric approach; our institute strives to provide quality education to all aspiring students of different domains. The institution guides the students and stakeholders to its vision, mission and core values in its everyday working through the guidance and governance of the Managing Committee constituted under the GC.

The institute operates in a decentralized and participatory manner, engaging all stakeholders to achieve its mission:

1. Imparting top-notch education to our students, enabling them to emerge as accomplished, conscientious, and empathetic leaders of the future.

2. Our goal is to provide a dynamic and stimulating educational environment that stimulates creativity, analytical thinking, and a lifelong passion for learning.

3. Through our varied academic curricula and extracurricular pursuits, we endeavor to cultivate versatile individuals who possess the skills and abilities necessary to make a positive difference in their communities and the global community.

Governance Mechanism

The institution's Managing Committee serves as the top authority, adhering to Anna University Rules. It handles policy creation, establishes the framework for achieving proposed goals, and finalizes strategic plans.

The Principal holds the role of executive head, responsible for managing both academic and extracurricular needs. They collaborate with the governing council, statutory bodies, administrative office, and Alumni Association to support students and faculty.

The JKKNCET consists of the Principal and Department Heads, oversees the execution of strategic plans and procedures discussed in college meetings. The involvement of teachers remains a consistent aspect in decision-making.

Faculty members are responsible for overseeing different institutional bodies such as the Anti-ragging Committee, SC/ST Committee, Internal Complaint Committee, Sexual harassment committee, Grievance and redressal Cell, Examination Committee, Sports Committee, Admission Committee, Hostel Committee, Research and Entreprenurship Development Cell, Women Empowerment cell, Library Advisory Committee, Purchase Committee, and Staff Selection Committee, OBC cell and Minority Cell.

Decentralization and Participation

Participation by Faculty and Students

The Principal delegates and allocates academic and administrative responsibilities among faculty members, the placement officer, physical director, librarian, non-teaching staff, and coordinators of various departments.

The institution's mission is upheld by the faculty members, each serving as a guardian to bring the mission to life on campus.

Department Heads act as intermediaries between the management and teachers, exemplifying patience while addressing students' mental dilemmas and academic queries.

The IQAC and its members contribute significantly to the decision-making process for achieving overarching goals.

Regular meetings involving both teaching and non-teaching staff are organized for decision-making.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1

The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc

Response:

J.K.K Natraja College of Engineering and Technology was established in 2008 and offers both undergraduate and postgraduate programs. The institute operates under a governing council as mandated by AICTE regulations. This council comprises a chairman, representatives from the management, academia, industry, faculty members, and the institution's principal. The IQAC is responsible for overseeing academic policies and procedures, with members including the principal, heads of

departments, senior faculty members, industry representatives, and alumni members. Regular meetings of the Academic Committee are held to monitor and implement various academic, admissions, placement, and training policies, with the examination controller reporting directly to the principal.

Various functional heads, such as those for finance, administration, the learning resource center, the computer center, physical education, and maintenance, also report to the principal. There are 15 other committees addressing areas such as Anti-ragging, SC/ST , ICC, Sexual harassment , Grievance and redressal Cell, Examination, Sports, Admission, Hostel, Research, EDC, Women Empowerment cell, Library, Purchase, and Staff Selection Committee. An administrative manual outlines employee duties, responsibilities, leave policies, conduct rules, and recruitment processes. The institute provides avenues for stakeholders to share their feedback and suggestions through online platforms and suggestion boxes, ensuring continuous improvement and stakeholder engagement in institutional affairs.

Strategic/ Perspectives plan

The institutional strategic plan has been effectively outlined and put into action.

2023	2024	2025	2026	2027
Established Incubation center	Achieve higher grade in NAAC accreditation	Permanent Affiliation for minimum of 3 programs	EstablishResearch center-Recognized by Anna University	Improve Entrepreneurs
Register Alumni Association	Improving admissions by strategies	Maximize alternate energy sources in the campus	Enhancing Sports activities of students in national level	Maximize research grants and projects
Improve the Internship count	Improving research publications	Achieve more number of university rank holders	Improving the IT infrastructure facility	Improve Consultancy activity
Establishment of Digital platform in academic and administrations	Increase Patent filing count	Maximize the Ph.D candidate in all the programs	Obtain top 200 band list in NIRF	Increase the startup counts
Establishment of Digital library	Improve the IIC activity and Outside students participation	Obtain Autonomous status	Increase the Skill by industry institute interaction	Collaborationwith foreign industries by MOUs
Improve industry collaboration	Improve the pass percentages of students and rank holders	Improve the Academic collaborations	Improve students chapters in all the programs	Establishing the Centre for Multidisciplinary Education and Research.
Establish center of excellence in all the programs	Get 2f registration	Improve 100% placement & Implementationof the remaining targets envisioned	Increase the UG & PG courses	Restructuring the programmes with renewed focus on global competency

| | | | in NEP-2020 | | | |

The institution has effective and efficient governing bodies, such as the Governing Council, evidenced by comprehensive policies and approval of new proposals. These policies guide institutional operations and governance, including human resources, environmental sustainability, faculty development, ethical standards, financial assistance, digital governance, student welfare, discipline, scholarships, inclusivity, professional conduct, energy conservation, waste management, transportation management, and IT governance. Additionally, the institution's well-structured administrative setup with clear appointment and service rules ensures smooth and transparent operations.

File Description	Document
Upload Additional information	[View Document](#)
Institutional perspective Plan and deployment documents on the website	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.2.2

Institution implements e-governance in its operations

1. **Administration**
2. **Finance and Accounts**
3. **Student Admission and Support**
4. **Examination**

Response: A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	[View Document](#)
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	[View Document](#)
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

6.3 Faculty Empowerment Strategies

6.3.1

The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression

Response:

The institution values the welfare of its employees and appreciates their valuable contributions in all aspects. Various welfare measures are provided for both teaching and non-teaching staff members. Employees are entitled to 12 days of casual leave per academic year and on-duty leave for attending FDPs, workshops, conferences, external examination duties, and university examination paper valuation. Additionally, they benefit from medical insurance, a canteen facility with a variety of food options, and 24-hour internet Wi-Fi access. Medical leave and maternity leave are also available, along with incentives for staff achievements. The institution offers transportation facilities for all staff and provides accommodation in the hostel upon request. Technical and skill-based training programs are regularly conducted, and faculty members receive financial support to present and publish papers in national and international journals and conferences, as well as to attend workshops and training programs. Faculty involved in research and consultancy projects are given workload concessions, and non-teaching staff are periodically trained to upgrade their technical skills. Additionally, newly married staff members receive gifts as a token of appreciation from the institution.

Facilities

Faculty members are encouraged to attend FDPs periodically to enhance their proficiency and performance. Additionally, they are motivated to pursue certification courses such as NPTEL and Coursera. Faculty are also encouraged to present papers at international conferences, publish articles in reputed journals, undertake funded projects, develop products, and apply for patents. Those with PG degrees are urged to pursue PhDs. The institution's library is well-equipped with books by foreign and Indian authors, journals, and magazines. Performance-based faculty awards are granted to recognize and reward outstanding contributions.

Faculty Performance Appraisal and Development System (FPADS)

Faculty performance is appraised annually, covering both the odd semester of the current academic year (CAY) and the even semester of the previous academic year (CAY-1). A structured framework is followed to appraise the performance of faculty members.

The performance appraisal system is detailed as follows:

Faculty's Self-Assessment:

As per the FPADS policy statement, each faculty member will evaluate their academic performance in the following areas (75 marks):

Student feedback

Student results in internal and university exams

Contributions to institutional development

Serving as external resource persons

Participation in co-curricular activities such as organizing/attending FDPs, workshops, conferences, and training programs

Completion of certification courses

Research Contribution Assessment:

The research contributions of faculty members are evaluated in the following areas (25 marks):

Conducting funded projects

Publications in reputed journals, books, and book chapters

Publishing patents

Engaging in consultancy work

Pursuing PhD

Supervising PhD scholars

If the performance of a faculty member meets the target, he or she is recommended for awards or rewards. Teaching faculty who score less than 75% in the Faculty Performance Appraisal are counseled by the Head of the Department and the Principal to help improve their performance in the next academic year. Suggestions for improvement are provided during this counseling.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.3.2

Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 7.75

6.3.2.1 **Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
6	6	6	6	5

File Description	Document
Policy document on providing financial support to teachers	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	[View Document](#)
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

6.3.3

Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Response: 54.35

6.3.3.1 **Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP),** *Management Development Programmes (MDPs)* **professional development /administrative training programs during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
68	13	63	46	35

6.3.3.2 **Number of non-teaching staff year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
8	8	8	8	8

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Copy of the certificates of the program attended by teachers.	[View Document](#)
Annual reports highlighting the programmes undertaken by the teachers	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1

Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

J.K.K Natraja College of Engineering and Technology operates as a self-financed private institution, with tuition fees serving as its primary source of income. In addition to tuition fees, the institution utilizes research grants from various government and non-government agencies, as well as consultancy projects, to supplement its financial resources.

Optimal utilization of resources

The yearly budget is formulated to align with the needs and requirements of each department, considering factors such as the annual intake of students, laboratory and infrastructure enhancements, as well as the needs of students, faculty, and staff, and advancements in technology. Each department prepares formal budget estimates, which are reviewed in Head of Department (HOD) meetings with the Principal. After deliberations, formal budgets are adjusted within departments and forwarded to the Principal for final budget preparation at the college level. The final budget is then submitted to the Management for approval and sanction, with almost 100% approval rate from the institute.

Allocation of funds is managed directly by the College Management, with Department Heads informed of the funds allocated against their budget proposals. Major works such as construction, infrastructure upgrades, and procurement of common utilities and furniture are overseen directly by the Pro Chairman. Procurement actions for lab equipment, facility upgrades, and consumables are initiated by respective departments, with funds released on a case-by-case basis upon Management approval.

Upon final budget approval, the purchasing process is initiated by the purchase committee, calling for

quotations and placing purchase orders after final negotiations. Transparency is ensured through bills and vouchers, with payments processed after item verification. Faculty members verify that equipment and machinery meet specifications upon purchase. The entire procurement process is monitored by the purchase committee and principal to ensure effectiveness and identify optimal suppliers.

Over the past five years, the budget has been utilized for staff salaries, infrastructure development, equipment procurement, consumables, travel expenses, and contingencies. Nearly 95% of the allocated budget provided by the management has been effectively utilized by the institution.

Financial audits are conducted internally by a financial committee on a half-yearly basis.

All vouchers are thoroughly examined to ensure accuracy in expenses incurred under various heads. Bills and vouchers are verified to detect any discrepancies. If discrepancies are identified, they are reported to the Principal for further action. This auditing process has been consistently followed for the past five years.

External audit

External audits are conducted by chartered accountants regularly in accordance with government regulations. The auditor verifies that all payments are properly authorized. After the audit, a report is submitted to the management for review. Any queries raised during the audit process are promptly addressed with supporting documents provided within the specified time limits.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

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. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

J.K.K Natraja College of Engineering and Technology has established the Internal Quality Assurance Cell (IQAC) from 2022. The primary purpose is to ensure internal quality in academics and administration, with a focus on continual improvement. IQAC plays a crucial role in implementing quality benchmarks into every academic endeavor.

The IQAC is consistently implementing various quality assurance measures at all levels of institutional functioning.

1. Implementing Outcome-Based Education (OBE) in the Teaching-Learning process.

2. Establishing quality benchmarks and parameters to formulate quality policies for Teaching-Learning, Research, Curriculum planning, and implementation.

also,

1. Conducting internal academic and administrative audits.

2. Implementing a structured feedback mechanism to collect feedback from students for Teacher Evaluation.

3. Providing a provision for collecting feedback on quality-related institutional processes from both internal and external stakeholders.

4. Organizing Guest Lectures, seminars, workshops, and Faculty Development Programs (FDPs) on quality-related themes, and promoting quality circles. Encouraging Research and Development (R&D) and Consultancy for innovations.

Academic Audit

The Internal Academic Audit, spearheaded by the IQAC, evaluates the operations of various departments within the institution. A structured audit format has been developed by the IQAC to assess the academic processes, with particular emphasis on the teaching-learning process, extra and co-curricular activities, extension activities, as well as budget formulation and utilization by department heads.

The IQAC meticulously records observations and provides recommendations to address any identified shortcomings following a comprehensive analysis of the auditor's report. Additionally, the IQAC suggests measures aimed at improvement, particularly focusing on the specified areas of the teaching-learning process. Moreover, the IQAC ensures that these improvements are implemented effectively.

Faculties integrate pedagogical initiatives to enhance the effectiveness of teaching Outcome-Based Education. They conduct remedial or special classes for slow learners and students facing difficulties. Moreover, faculties incorporate additional features such as one-credit courses delivered by industry experts. They also utilize resources like NPTEL videos, video lectures, and open e-learning materials developed by faculties to facilitate students in learning subjects beyond the classroom.

Following the internal audit, the institution also considers the audit findings from the internal audit. Subsequently, all relevant Heads of Departments (HODs) are urged to implement appropriate corrective or preventive measures in response to these findings.

Feedback Mechanisms

The Internal Quality Assurance Cell (IQAC) implements a structured feedback mechanism covering various aspects, including:

1. Feedback from students, parents, teachers, and alumni on the curriculum.

2. Student feedback for faculty evaluation, ensuring effective teaching-learning and evaluation processes.

Feedback regarding course handling faculty is collected through online mode and questionnaires. Students provide input on various aspects, including the faculty's knowledge level, use of teaching aids and innovative methods, effective communication of subject content, fairness in assessment, and their assistance and counseling during subject evaluation. Each question is assigned an average weightage, and the final Teaching Effectiveness Index for each faculty member is calculated. Faculties scoring below 75% are required to provide an explanation, and the Head of Department (HOD) or Principal suggests corrective actions. Additionally, feedback from stakeholders is carefully analyzed, leading to appropriate initiatives at the department and institute levels.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.5.2

Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
2. **Academic and Administrative Audit (AAA) and follow-up action taken**
3. **Collaborative quality initiatives with other institution(s)**
4. **Participation in NIRF and other recognized rankings**
5. **Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

Response: B. Any 3 of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	[View Document](#)
NIRF report, AAA report and details on follow up actions	[View Document](#)
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	[View Document](#)
Link to Minute of IQAC meetings, hosted on HEI website	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.

Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Response:

JKKNCET champions gender equality, reflected in its faculty and student body. Over the past five years, the institute boasts a strong female presence with 43.00% of teaching staff, 40 % of non-teaching staff, and 44.8% of students being women. JKKNCET goes beyond these numbers by actively promoting gender equity in all academic and extracurricular activities. Their dedicated gender action plan serves as a roadmap to continuously progress towards a more balanced and inclusive learning environment.

Gender Action Plan

JKKNCET conducts induction programs for students and orientation programs for faculty members.

Regular meetings of the Internal Complaints Committee (ICC) are held to monitor gender equality within the college.

JKKNCET organizes seminars, workshops, and conferences for students on gender equity, as suggested by AICTE and UGC.

The institute encourages students to participate in sports and cultural events during the annual sports and cultural meet.

JKKNCET provides maternity leave for women staff members.

The institute encourages girl students to apply for scholarship schemes and funds available for women through various programs. As part of this initiative, JKKNCET offers a 3-month maternity leave with salary benefit for women staff. Additionally, the institute has implemented a Student Aid Fund of Rs.5000 for single parent girl children based on academic and economic background. Furthermore, JKKNCET extends free college transportation facility for all students and faculty members.

Institution shows gender sensitivity in providing facilities such as:

Safety and Security

The institution makes sincere efforts to empower women faculty and students. Several awareness programs like walkathon, free health check-up.

JKKNCET considers safety and security of the girl students as paramount interest and has initiated many fool-proof measures. CCTV cameras are installed in the girl's hostel building to monitor the movements. Further, the inward and outward movements of outsiders are recorded in the log book and monitored by professional security personnel. Apart from this, students are mandated to wear their IDs and monitored by the full time vigilant security personnel guarding the gates.

JKKNCET prioritizes the safety of its female students by implementing a comprehensive security network. To ensure a secure environment, the institute enforces designated entry timings for the hostel and conducts daily attendance checks. Additionally, security guards are vigilant 24/7, monitoring all hostel activities.

The internal Complaints Committee (ICC) actively works to maintain a ragging-free environment within both the campus and hostel. Dedicated women wardens and staff provide direct supervision within the girls' hostel, creating a supportive and secure atmosphere. Moreover, entry registers are meticulously maintained in each hostel block, allowing for close monitoring of student movement. Through these combined measures, JKKNCET demonstrates its unwavering commitment to safeguarding the well-being of its female students.

Common room

JKKNCET prioritizes the well-being of its female students by providing well-equipped ladies' common rooms in the institution. These common rooms offer essential amenities including comfortable furniture for relaxation, secure lockers for belongings, and mirrors. Additionally, a dedicated woman attendant ensures a safe and supportive space for students. Basic healthcare services are also readily available, further promoting student health and hygiene.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

7.1.2

The Institution has facilities and initiatives for

1. **Alternate sources of energy and energy conservation measures**
2. **Management of the various types of degradable and nondegradable waste**
3. **Water conservation**
4. **Green campus initiatives**
5. **Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	[View Document](#)
Geo-tagged photographs/videos of the facilities.	[View Document](#)
Circulars and report of activities for the implementation of the initiatives document	[View Document](#)
Bills for the purchase of equipment's for the facilities created under this metric	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

7.1.3

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

    1. **Green audit / Environment audit**
    2. **Energy audit**
    3. **Clean and green campus initiatives**
    4. **Beyond the campus environmental promotion activities**

Response: A. All of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	[View Document](#)
Policy document on environment and energy usage Certificate from the auditing agency	[View Document](#)
Green audit/environmental audit report from recognized bodies	[View Document](#)
Certificates of the awards received from recognized agency (if any).	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

7.1.4

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of

students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

JKKNCET provides an inclusive environment for everyone, fostering tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic, and other diversities. The college hosts a variety of activities to encourage cultural, ethical, religious, and spiritual values among staff and students. Celebrations like Gandhi Jayanthi, Republic Day, Independence Day, Yoga Day, and Teacher's Day promote a sense of oneness and social harmony. These events create positive interactions between individuals from various backgrounds. The institute has a grievance redressal cell that handles complaints without discrimination based on race or cultural background. Staff, faculty, and students are required to abide by different codes of ethics, regardless of their cultural, linguistic, communal, socio-economic or other differences.

JKKNCET further strengthens its inclusive atmosphere through a number of initiatives. Days of Eminent Personalities and National Festival celebrations bring teachers and students from all backgrounds together, fostering a conducive environment. These initiatives promote tolerance and respect for differences in language, culture, geography, society, social and economic conditions within communities.

Sensitization of students and employees is addressed through both curriculum and extracurricular activities. Many subjects include topics that raise awareness about constitutional obligations. In line with these objectives, Anna university has introduced mandatory courses like "Professional Ethics" and "Universal Human Values" for all undergraduate students across disciplines.

JKKNCET staff and students celebrate cultural and regional festivals together. Events like the annual college fest, Ayudha Pooja, and Diwali celebrations contribute to this vibrant atmosphere. Well-established sports and cultural committees organize various cultural, sports, and other activities. The institute provides the necessary infrastructure, including a seminar hall, sports complex (indoor, outdoor, gymnasium), and transportation facilities, to ensure everyone can participate in these activities.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

7.2 Best Practices

7.2.1

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

Response:

Best Practices 1:

Title: "Collaborate with confidence : Master your Team workflow"

Objectives:

- Increase accountability and transparency in the learning process.

- Establish clear, measurable goals for learners and Learning Facilitators.

- Align objectives with the mission and values of JKKN Institutions.

- Improve learning outcomes, efficiency, and collaboration.

- Foster a culture of continuous improvement and shared responsibility.

The Context:

JKKN Institutions sought to enhance the effectiveness of the learning process, identifying challenges in traditional goal-setting and evaluation. The OKR (Objectives and Key Results) method emerged as a solution, implemented across organisational levels, including Cluster Level Coordinators, Committee Coordinators, Co-Coordinators, and Learning Facilitators, in alignment with the IQAC framework.

The Practice:

OKR is implemented across JKKN Institutions, cascading from institutional to individual levels. Objectives are high-level, aspirational goals aligned with JKKN's mission, and Key Results are quantifiable targets tracked using the Taskade App. The practice involves structured coordination, with Learning Facilitators responsible for implementing Key Results, regular quarterly check-ins, and ongoing support and resources. Constraints include initial buy-in, time and effort for tracking, and consistent implementation.

Evidence of Success:

- Improved student performance, engagement, and retention.

- Increased accountability and transparency, demonstrated through regular progress reviews.

- Enhanced motivation and focus among Learning Facilitators and learners.

- Better relationships with industry partners, leading to collaboration and resources.

Problems Encountered and Resources Required:

- Initial resistance to OKR adoption, requiring communication and training.

- Time and resource constraints for defining and tracking Key Results.

- Adapting to changing priorities, requiring flexibility and leadership support.

- Resources include training, technical support (e.g., Taskade App), and ongoing feedback mechanisms.

Notes:

- Customization to the specific institutional context, clear role definitions, and continuous review are vital.

- The implementation demonstrates OKRs potential to significantly improve learning effectiveness and transparency, aligning stakeholders towards common goals.

- Consideration of shared objectives can foster teamwork and collaboration across the organisation.

Best Practices 2:

Title: "Fostering Student Empowerment: A Personalized Mentorship Approach"

Objectives:

The Student Mentoring Program at JKKNCET aims to cultivate holistic student development by offering tailored guidance and support to address academic, professional, and personal challenges. Its objectives include:

- Enhancing academic performance and personal growth.

- Developing professional skills and career readiness.

- Creating a supportive environment for mental and emotional well-being.

- Fostering a sense of community and belonging within the institution.

Context:

In Indian higher education, students often grapple with academic pressure, career uncertainty, and mental health issues. Recognizing these challenges, JKKNCET initiated a structured mentoring program based on student feedback and performance analysis. The program is designed to provide personalized attention and guidance, empowering students to realize their potential.

Practice:

The Student Mentoring Program pairs each student with a faculty mentor who serves as a guide, advisor, and confidant. Key features include:

- Regular Meetings: Mentors and mentees meet to discuss academic progress, personal concerns, and career aspirations.

- Personalized Guidance: Mentors offer tailored advice to meet individual student needs and goals.

- Workshops and Seminars: Sessions cover topics like time and stress management, career planning, and soft skills development.

- Career Counseling: Specialized sessions help students explore career paths and prepare for the job market.

- Emotional Support: Mentors provide emotional support and identify signs of stress or mental health issues, referring students to counselors as needed.

Evidence of Success:

The program's success is evident through:

- Academic Improvement: Higher grades and reduced dropout rates demonstrate improved academic performance.

- Increased Engagement: Students show greater involvement in campus activities and a stronger sense of belonging.

- Career Readiness: Graduates report being better prepared for the job market, securing internships and job offers.

- Positive Feedback: Both students and mentors praise the program for its impact on personal and professional growth.

Problems Encountered and Resources Required: Challenges in program implementation include:

- Resource Allocation: Ensuring mentors have adequate time and resources to support students effectively.

- Training Needs: Continuous training for mentors to maintain best practices in mentoring.

- Student Participation: Encouraging active involvement from all students requires ongoing efforts and incentives.

To address these challenges, the institution needs:

- Training Programs: Regular sessions to enhance mentor skills and support student needs.

- Counseling Services: Expanded services to address students' mental and emotional well-being.

- Technological Support: Tools for mentor-mentee communication and progress tracking.

File Description	Document
Best practices as hosted on the Institutional website	[View Document](#)
Any other relevant information	[View Document](#)

7.3 Institutional Distinctiveness

7.3.1

Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Title: Building a Smarter Campus: Efficiency and Support with AI

The educational landscape is undergoing a transformative shift. Institutions are embracing innovation, particularly artificial intelligence (AI), to create a more efficient, learner-centric, and enriching campus experience. At JKKNCET, we are at the forefront of this movement, building a smarter campus powered by AI.

Efficiency as the Cornerstone:

JKKNCET's vision for a smarter campus places efficiency at the forefront. We're harnessing the power of AI to revolutionise daily operations across the board. Imagine a future where AI seamlessly handles the administrative burden of scheduling classes, managing resources like labs and equipment, and even streamlining course registration for students. This frees up valuable time for faculty, staff, and students to focus on more critical and rewarding endeavours. Additionally, AI can streamline workflows within academic departments, allowing professors to leverage AI tools for grading, plagiarism detection, and personalised feedback generation. This not only saves time but also fuels a deeper understanding of student needs and allows for more personalised instruction, ultimately creating a more effective learning environment. Finally, AI-powered analytics can analyse student and faculty needs alongside campus resource usage patterns. This empowers proactive resource allocation, ensuring classrooms, labs, equipment, and other essential resources are readily available where and when they're needed most. By prioritising efficiency with AI, JKKNCET is building a smarter campus that benefits everyone – faculty, staff, and students – allowing them to dedicate more time and energy to the core mission of education: learning, discovery, and growth.

By implementing predictive analytics, JKKNCET can anticipate future needs and make informed decisions. This agility will allow the college to adapt quickly to changing circumstances and ensure its resources are always optimised.

Empowering Learners with Personalized Learning Experiences:

To empower each student on their unique educational journey, we're at the forefront of implementing AI-driven learning tools. These intelligent platforms analyse a student's individual data, identifying their strengths, weaknesses, and preferred learning styles. Based on this analysis, the AI recommends personalised learning paths, suggesting relevant study materials and highlighting areas that need extra focus. Imagine having a virtual learning buddy who tailors resources and identifies any gaps in your understanding! But the support doesn't stop there. JKKNCET is also pioneering AI-powered tutoring systems that provide on-demand, targeted assistance. These interactive systems can answer your questions, clarify complex concepts, and offer exercises specifically designed to address your individual needs. With AI-driven learning platforms and personalised tutoring systems, JKKNCET is transforming education from a one-way street to a dynamic, personalised experience that empowers students to take control of their learning and reach their full potential.

Leveraging Peer-to-Peer Learning for Enhanced Engagement:

JKKNCET is exploring innovative approaches such as utilising advanced students as teaching assistants. This taps into the expertise and diverse perspectives of our student body, fostering dynamic learning experiences. Students can learn from their peers, gain practical application of theoretical concepts, and build valuable communication skills.

Enriching Extracurricular Activities through AI:

JKKNCET recognizes that a well-rounded education extends far beyond textbooks and lectures. That's why we're leveraging AI to create a vibrant and enriching extracurricular experience. Gone are the days of generic events and club activities that don't resonate with students. AI-powered event management systems will analyse student preferences to curate events that truly capture their interests. Imagine attending guest lectures by inspiring speakers, participating in workshops that align with your passions, or immersing yourself in cultural programs that broaden your horizons – all because AI understands what excites the student body. But AI's impact doesn't stop there. It can also streamline the management of clubs and organisations. Scheduling events, managing budgets, and facilitating communication within clubs will become a breeze. This frees up valuable time for student leaders, allowing them to focus on what truly matters – creating engaging and inclusive activities. From planning epic sports tournaments to organising thought-provoking debates, student leaders will be empowered to design experiences that foster social interaction, hone leadership skills, and allow students to explore their passions outside of academics. AI at JKKNCET is about creating a holistic and enriching student experience, ensuring that every student thrives not just academically, but also personally and socially.

Empowering Faculty for Impactful Learning:

JKKNCET recognizes that exceptional faculty are the backbone of a thriving learning environment. We're dedicated to empowering our professors by providing them with ongoing professional development opportunities and access to the latest research findings. This ensures they stay at the forefront of educational advancements. But JKKNCET goes beyond traditional professional development. We're integrating cutting-edge AI tools to create a powerful teaching arsenal. Imagine professors utilising AI-driven analytics to analyse student performance data. This data can pinpoint areas where the curriculum or teaching methods might need improvement. Armed with these insights, professors can tailor their instruction to address specific student needs, fostering deeper engagement and

maximising learning outcomes. This doesn't replace the human touch; it enhances it. By combining research-backed teaching methodologies with AI analytics, professors can create dynamic and effective learning experiences that resonate with students in the digital age. Ultimately, this empowers faculty to prepare students for success not just within the classroom walls, but also in their future endeavours.

A Vibrant and Inclusive Campus Experience:

JKKNCET recognizes the importance of a well-rounded education. We strive to create a vibrant and inclusive campus environment that fosters social interaction, personal development, and a sense of community. By leveraging AI to enhance efficiency and personalise the learning experience, we free up time and resources to invest in creating a dynamic campus life.

Shaping the Future of Education Together:

Our vision for a smarter campus at JKKNCET is built on harnessing the power of AI to drive efficiency, empower learners, and enrich extracurricular activities. This is a collaborative effort, and we are committed to working closely with students, faculty, staff, and industry partners to shape the future of education. By embracing innovation and technology, we will create a dynamic

AI Tool Chatgpt User Id and Password:

EVIDENCE

User Id	aiengineering@jkkn.ac.in
Password	ENGINEERING20AI23@kpm

File Description	**Document**	
Appropriate web in the Institutional website	[View Document](#)	
Any other relevant information	[View Document](#)	

5. CONCLUSION

Additional Information :

The Institute has sufficient infrastructure and academic support, along with advanced laboratories and highly qualified faculty members who have significant experience, resulting in a strong retention rate. Teaching and learning are given the highest priority by the Institute. Additionally, there is a focus on both extra and co-curricular activities to ensure the comprehensive development of students. The Institute's goal is to provide top-quality education and foster the overall growth of students, faculty, and staff members.

Concluding Remarks :

The Institute has a well-defined vision and mission that addresses the needs of society. Key features such as excellent academics, infrastructure, research facilities, industry engagement, self-directed learning, and various extracurricular activities contribute to the holistic development of students.

The management and governance of the Institute play a crucial role in implementing reforms to enhance its standing among stakeholders. Delegation of authority is promoted through strategic policies, with the Principal being supported by department heads, administrative staff, section leaders, and committee coordinators in decision-making processes.

The Institute regularly engages in strategic planning to produce high-quality engineers and foster overall institutional growth. Faculty and staff members undergo periodic training to ensure the effective implementation of quality procedures. External audits by University, AICTE as well as internal audits, are conducted regularly to enhance institutional operations.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.2.1	**Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)** Answer before DVV Verification : Answer After DVV Verification :105 Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.
1.2.2	*Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years* 1.2.2.1. Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
425	438	304	591	812

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
405	428	289	561	750

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

Metric ID	Sub Questions and Answers before and after DVV Verification
3.3.1	**Number of research papers published per teacher in the Journals notified on UGC care list during the last five years** 3.3.1.1. **Number of research papers in the Journals notified on UGC CARE list year wise during the last five years** Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
36	21	19	17	8

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
25	18	20	11	7

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	Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.
3.3.2	**Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years** 3.3.2.1. **Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years** Answer before DVV Verification: 	2022-23	2021-22	2020-21	2019-20	2018-19
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18	11	9	8	6 | Answer After DVV Verification : | 2022-23	2021-22	2020-21	2019-20	2018-19
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11	8	0	7	6	 Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.
3.4.3	*Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.* 3.4.3.1. **Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years** Answer before DVV Verification: 	2022-23	2021-22	2020-21	2019-20	2018-19
---	---	---	---	---
10	07	06	13	10 | Answer After DVV Verification : | 2022-23	2021-22	2020-21	2019-20	2018-19
---	---	---	---	---
6	4	6	12	9	 Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.
3.5.1	*Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.* Answer before DVV Verification : Answer After DVV Verification :12

	Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.
4.1.2	*Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years* 4.1.2.1. **Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)** Answer before DVV Verification: 	2022-23	2021-22	2020-21	2019-20	2018-19
---	---	---	---	---
19.49	22.97	18.34	42.33	24.55 | Answer After DVV Verification : | 2022-23	2021-22	2020-21	2019-20	2018-19
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0.09	0.007	00	00	0.056	 Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.
4.4.1	*Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)* 4.4.1.1. **Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)** Answer before DVV Verification: 	2022-23	2021-22	2020-21	2019-20	2018-19
---	---	---	---	---
42.28	24.88	40.21	74.00	82.90 | Answer After DVV Verification : | 2022-23	2021-22	2020-21	2019-20	2018-19
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1.60	3.17	2.95	10.88	11.6	 Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.
5.1.4	*The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases* 1. **Implementation of guidelines of statutory/regulatory bodies** 2. **Organisation wide awareness and undertakings on policies with zero tolerance** 3. **Mechanisms for submission of online/offline students' grievances** 4. **Timely redressal of the grievances through appropriate committees**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: B. 3 of the above

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

5.2.1	**Percentage of placement of outgoing students and students progressing to higher education during the last five years**
	5.2.1.1. **Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
60	61	52	72	97

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
60	61	52	72	97

5.2.1.2. **Number of outgoing students year wise during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
183	139	165	229	342

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
126	104	132	107	195

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

5.2.2	*Percentage of students qualifying in state/national/ international level examinations during the last five years*
	5.2.2.1. **Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
1	1	0	0	0

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19

0	1	0	0	0

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

| 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 last five years**

5.3.1.1. *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 wise during the last five years*

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
3	0	0	3	0

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
0	0	0	3	0

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended. |

| 5.3.2 | **Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)**

5.3.2.1. **Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
765	702	0	211	800

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
15	15	0	15	15

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended. |

| 6.3.2 | **Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years** |

6.3.2.1. **Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
31	30	51	81	20

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
6	6	6	6	5

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

6.3.3 *Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years*

6.3.3.1. **Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP),** *Management Development Programmes (MDPs)* **professional development /administrative training programs during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
63	7	70	53	52

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
68	13	63	46	35

6.3.3.2. **Number of non-teaching staff year wise during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
5	3	0	4	3

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
8	8	8	8	8

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

6.5.2	**Quality assurance initiatives of the institution include:**
	1. **Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
	2. **Academic and Administrative Audit (AAA) and follow-up action taken**
	3. **Collaborative quality initiatives with other institution(s)**
	4. **Participation in NIRF and other recognized rankings**
	5. **Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**
	Answer before DVV Verification : A. Any 4 or more of the above
	Answer After DVV Verification: B. Any 3 of the above
	Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

2.Extended Profile Deviations

ID	Extended Questions
1.1	**Number of teaching staff / full time teachers during the last five years (Without repeat count):** Answer before DVV Verification : 10 Answer after DVV Verification : 116
1.2	**Number of teaching staff / full time teachers year wise during the last five years** Answer before DVV Verification:

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
75	73	77	76	83

Answer After DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
73	71	75	74	81

2.1	**Expenditure excluding salary component year wise during the last five years (INR in lakhs)**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
62.96	48.20	58.65	116.77	107.82

Answer After DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
63.82	57.78	80.99	119.60	114.07